

CITY OF ARMADALE

AGENDA

OF THE TECHNICAL SERVICES COMMITTEE TO BE HELD IN THE COMMITTEE ROOM, ADMINISTRATION CENTRE, 7 ORCHARD AVENUE, ARMADALE ON MONDAY, 4 DECEMBER 2017 AT 7.00PM.

A meal will be served at 6:15 p.m.

PRESENT:

APOLOGIES:

OBSERVERS:

IN ATTENDANCE:

PUBLIC:

*“For details of Councillor Membership on this Committee, please refer to the City’s website
– www.armadale.wa.gov.au/your_council/councillors.”*

DISCLAIMER

The Disclaimer for protecting Councillors and staff from liability of information and advice given at Committee meetings to be read.

DECLARATION OF MEMBERS' INTERESTS

QUESTION TIME

Public Question Time is allocated for the asking of and responding to questions raised by members of the public.

Minimum time to be provided – 15 minutes (unless not required).

Policy and Management Practice EM 6 – Public Question Time has been adopted by Council to ensure the orderly conduct of Public Question time and a copy of this procedure can be found at <http://www.armadale.wa.gov.au/PolicyManual>.

It is also available in the public gallery.

The public's cooperation in this regard will be appreciated.

DEPUTATION

CONFIRMATION OF MINUTES

RECOMMEND

Minutes of the Technical Services Committee Meeting held on 6 November 2017 be confirmed.

RECOMMEND

Minutes of the Special Technical Services Committee Meeting held on 23 October 2017 be confirmed.

ITEMS REFERRED FROM INFORMATION BULLETIN

- **Outstanding Matters and Information Items**

Various Items.

- **Monthly Departmental Reports**

Technical Services Works Programme.

If any of the items listed above require clarification or a report for a decision of Council, this item to be raised for discussion at this juncture.

CONTENTS

TECHNICAL SERVICES COMMITTEE

4 DECEMBER 2017

1. ENGINEERING ADMINISTRATION	
1.1 STRATEGIC EVALUATION OF THE CITY'S CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM REPORT	4
2. ENGINEERING, DESIGN AND DEVELOPMENT	
2.1 PARKING RESTRICTIONS - OWEN ROAD, KELMSCOTT	8
3. ENVIRONMENT	
3.1 CITIES POWER PARTNERSHIP INITIATIVE	11
4. PROPERTY SERVICES	
4.1 KELMSCOTT HALL UPGRADE FUNDING	15
5. TENDERS	
5.1 TENDER 37/17 - PEST CONTROL SERVICES	22
5.2 TENDER 40/17 - BALANNUP LIVING STREAM STAGE 1 LANDSCAPE HARDWORKS	28
5.3 PANEL OF PRE-QUALIFIED SUPPLIERS PPS/1/17 - PROVISION OF FENCING INSTALLATION AND MAINTENANCE SERVICES	34
6. MISCELLANEOUS	
6.1 ALTERNATIVE INFRASTRUCTURE - NEW DEVELOPMENT AREAS (REFERRAL ITEM)	43
7. COUNCILLORS' ITEMS	
NIL	45
8. EXECUTIVE DIRECTOR TECHNICAL SERVICES REPORT	
TO BE SUBMITTED	45
SUMMARY OF ATTACHMENTS	46

1.1 - STRATEGIC EVALUATION OF THE CITY'S CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM REPORT

WARD : ALL
FILE No. : M/517/17
DATE : 22 November 2017
REF : MH/JJ
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- This report provides Council with an update on operations and a strategic evaluation of the City's Closed Circuit Television (CCTV) system.

Recommend:

- That Council receive the strategic evaluation report on the City's Closed Circuit Television (CCTV) system.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

1.2 Active community life that is safe and healthy

1.2.3 Encourage initiatives to improve perceptions of safety

1.3 The community has the services and facilities it needs

1.3.2 Deliver services

1.3.2.3 Deliver initiatives that respond to local law enforcement and legislative compliance

Legislation Implications

General assessment of relevant legislation (e.g. *Local Government Act 1995*) has not revealed any restrictions.

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following are applicable:

- Council Policy ENG 18 – Closed Circuit Television (CCTV)
- Council Policy ENG 19 – Mobile Closed Circuit Television (MCCTV)

Budget/Financial Implications

Nil.

Consultation

- Armadale Police.

BACKGROUND

The City is committed to taking a strong role in leading safety and crime prevention initiatives in the Armadale community and recognises the importance of working with the Armadale Police and other State agencies to help make the City a safer place to live and enjoy.

The City's CCTV system comprises 140 fixed and pan-tilt-zoom (PTZ) cameras; 70 of these are in internal City buildings and the remaining 70 are located in external locations throughout the Armadale CBD. The City's total spend on the system including annual maintenance, is approximately \$1,200,000 of which around half has been grant funded to cover the major installations. The shopping centres and other selected stores also have their own CCTV cameras in the CBD.

The City, in very limited cases when required, can also deploy a mobile CCTV camera to a specific problem area to address issues such as illegal waste dumping.

COMMENT

The City's CCTV system records all images from all cameras 24 hours a day, seven days a week. Footage is retained for a period of 30 days. The digital images are recorded and stored in a secured CCTV server room at Orchard House. Access to the CCTV control room and server room is limited to the City's Authorised Officers. The Armadale Police have visual access to the external cameras which are used to pinpoint specific camera times and locations for recording of incidents. The footage requests are made in writing and as per the City's policy, footage cannot be provided directly to any member of the public. The City has a Memorandum of Understanding (MOU) with the Armadale Police in respect to the CCTV system and the police have advised that they are very satisfied with the system and the cooperative relationship with the City.

The Chief Executive Officer has primary responsibility for compliance with the purposes and objectives for the management, maintenance, and security of the system and the protection of the interests of the public in general.

In accordance with the Standard Operating Procedure (SOP) for the Management of a CCTV system, under Point 14 – Evaluation, states:

“The Chief Executive Officer is responsible for ensuring that the City's CCTV system is evaluated to ensure that the system is meeting its aims and objectives, and promotes public confidence in the System. A review of the CCTV system shall be carried out annually by an approved independent agency and will include as a minimum:

- *Assessment of its impact on crime, and fear of crime, for businesses and community.*
- *The use of digitally recorded images for evidentiary purposes.*
- *Operation of the Standard Operations Procedure.*
- *Meeting the systems objectives”.*

As part of the 2016 CCTV Annual Report to the CEO, the Chief Executive Officer was advised that the City's CCTV Contractor for Maintenance and Minor Works concluded a formal review of the system. The contractor also carried out on a six monthly basis:

- Minor installation of new equipment (eg. replacement cameras and switches)
- Minor upgrading of the existing system (eg analogue camera to digital)
- Minor repairs (eg. power outages or resetting of switches)
- Change of operating software to Genetec

The system does require regular maintenance to ensure that all cameras are operational and are operating to the maximum level for their positioning. It is not a set and forget arrangement.

The upgrade of the operating system in 2016 has resulted in an increase in the system's reliability. During the 2017 calendar year (as at October 2017), the City received 31 requests for footage; all of which were supplied to the police.

The WA Police currently do not provide statistics as to whether the footage provided to them resulted in a successful prosecution so it is not possible to make an assessment of success in this area.

It is the City's assessment that the relatively low number of requests for incident footage (less than one per week on average) indicates that the CCTV is proving to be a visual crime deterrent in the CBD.

The demand for CCTV cameras in general throughout society is increasing and it is not currently possible to have cameras in every area of the City of Armadale. The City's current camera locations have been developed in consultation with the Armadale Police and discussions on future coverage may occur when a particular need arises.

The City's CCTV policies, Standard Operating Procedure and the MOU with the Armadale Police are due for review again during 2018.

CONCLUSION

In summary, the management of the CCTV system has been consistent with Council's Policy and Management Practice relating to CCTV (ENG 18) and the Standard Operating Procedure for the management of a CCTV system continues to meet Council's objectives to encourage initiatives to improve perceptions of community safety and deliver initiatives that respond to local law enforcement and legislative compliance. The Armadale Police are very satisfied with the CCTV system and the assistance it provides them.

RECOMMEND

That Council receive the strategic evaluation report on the City's Closed Circuit Television (CCTV) system.

ATTACHMENTS

There are no attachments for this report.

2.1 - PARKING RESTRICTIONS - OWEN ROAD, KELMSCOTT

WARD : HERON
FILE No. : M/715/17
DATE : 13 November 2017
REF : WO/AO
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Unsafe parking practices at the intersection of Owen Road and Keira Street, Kelmscott, and at the intersection of the entrance to the City's Works Depot and Owen Road, Kelmscott have been observed.
- The concerns have been investigated and the installation of parking restrictions has been found to be warranted.

Recommend:

- That Council approve the installation of parking restriction signage and yellow no stopping lines as depicted on Drawing No E17-64.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

1.2 Active community life that is safe and healthy

1.2.3 Encourage initiatives to improve perceptions of safety

1.2.3.1 Facilitate community safety partnerships and projects

Legislation Implications

Assessment of legislation indicates that the following are applicable:

- *Local Government Act 1995* – Schedule 9.1, Section 2.1 - Disturbing local government land or anything on it.
- Road Traffic Code 2000 – Part 12, Division 2, Section 140 – No Stopping Signs, Section 141 – No Parking Signs, Section 142 – No Stopping on Carriageway with Yellow Edge Line.

Council Policy/Local Law Implications

General assessment of Policy/Local Law indicates that the following is applicable:

- Local Law relating to Parking Facilities

Budget/Financial Implications

Installation of proposed signs and line markings can be accommodated within the Civil Works 2017/18 Maintenance Budget.

Consultation

- Inter Directorate.

BACKGROUND

The intersection of Owen Road and Keira Street, Kelmscott is located on a bend on both sides of the Road. Reports have been received raising concerns regarding the number of vehicles parked on the verge restricting motorists' line of sight when turning from Keira Street into Owen Road.

The reports were investigated and the sight distance for vehicles entering Owen Road from Keira Street, when a large number of vehicles were parked on the verge, was found to be inadequate.

During the course of the investigation, similar conditions were observed at the intersection of Owen Road and the entrance to the City's Works Depot, which is located 60m North West of the Owen Road/Keira Street intersection. There is currently a 'No Parking' hatched area on the left hand side of the Depot entrance as shown on Drawing number E17-64 (Attachment 2.1.1). However, cars have been observed parking on the bend adjacent to this, requiring additional parking restrictions to be installed to address the line of sight concerns.



Parking on Owen Road/Keira Street



Owen Road/Depot Entrance

DETAILS OF PROPOSAL

It is proposed that parking restrictions in the form of yellow no stopping lines and associated no stopping signs be installed at the at the intersections of Keira Street and Owen Road, and Owen Road and the entrance to the City's Works Depot as indicated on Drawing number E17-64.

The restrictions will serve to ensure that the required lines of sight for motorists entering Owen Road from both Keira Street and the City's Works Depot are maintained.

CONCLUSION

To ensure that unsafe parking practices are prohibited at the Owen Road/Keira Street and Owen Road/City of Armadale Works Depot entrance intersections, it is recommended that parking restrictions in the form of painted yellow no stopping lines and associated signage be installed as illustrated on Drawing No E17-64 attached to this report.

RECOMMEND

That Council approve the installation of parking restriction signage and yellow no stopping lines as depicted on Drawing No E17-64.

ATTACHMENTS

2.1.1. [↓](#) E17-64 – Proposed Parking Restrictions Owen Road/Keira Street Kelmscott

3.1 - CITIES POWER PARTNERSHIP INITIATIVE

WARD : ALL
FILE No. : M/741/17
DATE : 20 November 2017
REF : JM/AO
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- An opportunity has recently arisen for the City to participate in the Australian Climate Council's *Cities Power Partnership* initiative.

Recommend:

That Council:

- Endorse participation in the Australian Climate Council's *Cities Power Partnership* initiative.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

2.1 The natural environment is valued and conserved

2.1.4 Minimise the City's carbon footprint

2.1.4.2 Implement the actions of the City's Corporate Greenhouse Action Plan 2014/15 to 2019/20

4.4 Effective Communications

4.4.3 Promote and celebrate the City's achievements

Legislation Implications

General assessment of relevant legislation (eg. Local Government Act) has not revealed any restrictions.

Council Policy/Local Law Implications

Nil.

Budget/Financial Implications

Participation in the *Cities Power Partnership* has no financial implication.

Consultation

- Intra Directorate.

BACKGROUND

Since 2002 the City has worked with the City of Gosnells and the Shire of Serpentine Jarrahdale on the award winning *Switch your thinking* program, collectively working towards the goal of reducing regional greenhouse gas emissions.

The City was one of the first local governments in Australia to join the Emissions Reduction Fund, flaring methane at Armadale Landfill and Recycling Facility. There is now an opportunity to receive positive recognition for undertaking this work and ease the journey of future projects by joining the *Cities Power Partnership*.

The Climate Council launched the *Cities Power Partnership* in July 2017 to incentivise local governments to:

- Increase the take of renewable energy and energy efficiency
- Improve transport
- Engage in advocacy

Among 30 local governments nationally, including the Cities of Swan, Canning and Fremantle, signed up in the first round. Nominations are currently open for the second round.

Further information regarding the *Cities Power Partnership* initiative can be found in the attached brochure (Attachment 3.1.1).

Should Council endorse the City's participation in the *Cities Power Partnership* the following benefits will be realised:

- Recognition for the City's track record as a responsible corporate citizen
- Continued establishment of the City as a leader in sustainability and climate change action
- Access to a national knowledge hub to assist with future projects
- Exclusive access to domestic and international experts, community energy groups and events with other local leaders
- Exclusive access to small grants and renewable energy incentives as they become available
- Increased credibility of the City when seeking environmental grants and funding
- Assists the *Switch your thinking* program when attracting new intellectual property councils
- Positive media opportunities
- Builds relationships with other local governments

COMMENT

Participation in the *Cities Power Partnership* is free of charge and requires minimal officer time (estimated as four hours per annum). As the potential benefits are significant, it is recommended that Council endorse the City's participation.

OPTIONS

1. Council endorse participation in the Australian Climate Council's *Cities Power Partnership* initiative.
2. Council does not endorse participation in the Australian Climate Council's *Cities Power Partnership* initiative.

CONCLUSION

In light of the City's strong leadership and commitment to greenhouse emissions reduction and the benefits associated with participation, it is recommended that Council endorse joining the *Cities Power Partnership* initiative.

RECOMMEND

That Council endorse participation in the Australian Climate Council's *Cities Power Partnership* initiative.

ATTACHMENTS

3.1.1. [↓](#) CPP Councils Information_Final

4.1 - KELMSCOTT HALL UPGRADE FUNDING

WARD : RIVER
FILE No. : M/746/17
DATE : 22 November 2017
REF : SG/AO
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- This report follows the proposal to Council in June 2017 (T42/6/17) for the proposed upgrades to Kelmscott Hall.
- During finalisation of the concept design, further essential works were identified resulting in the need for an expanded scope of works. This report provides details and financial implications regarding the additional works required.

Recommend:

That Council, in regard to the Kelmscott Hall Upgrade Project:

1. Note the revised scope of works required at an estimated cost of \$2,100,000.
2. Refer the matter of the additional \$920,000 required to complete the revised Kelmscott Hall upgrade to the 2017/18 mid-year Budget review.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

- 1.2 Active community life that is safe and healthy
 - 1.2.1 Recognise, value and support for everyone
 - 1.2.1.2 Implement the City of Armadale Access and Inclusion Plan
 - 1.2.1.4 Facilitate delivery of children and family programs
- 2.3 Well Managed Infrastructure
 - 2.3.1 Apply best practice design and construction methodologies for the provision of infrastructure
 - 2.3.1.1 Implement a best practice project management approach to the planning and delivery of infrastructure
 - 2.3.1.2 Apply the latest technological advancements, and optimal energy reduction strategies, in design criteria of facilities

Legislation Implications

Any building works associated with the project would need to be carried out in accordance with the Building Code of Australia and any other relevant legislation and/or Australian Standard.

Council Policy/Local Law Implications

General assessment has not revealed any applicable Policies/Local Laws.

Budget/Financial Implications

An amount of \$1,329,600 has been provided in the 2017/18 capital works budget. This report provides further details as to financial implications related to this project.

Consultation

- Community and user groups.
- Intra Directorate.
- Architectural consultants.

BACKGROUND

The Kelmscott Hall upgrade was initially proposed in 2014/15 as an upgrade to the toilets and kitchen areas. However, Council alternatively allocated an additional \$453,000 (bringing the total available funds to \$1,329,600) towards the following expanded scope of works:

- New entrance/reception
- Upgrade toilets
- Additional lesser hall
- New meeting room
- Internal painting throughout
- Upgraded kitchen and equipment
- Upgraded change rooms
- New lighting
- Air conditioning
- Front external veranda
- Ceiling replacement
- Flooring upgrade

Of the total \$1,329,600 budget, \$149,500 has been spent or committed on design, contract documentation and investigation works, leaving a current balance \$1,180,100.

ANALYSIS

Initial feasibility

The initial desktop assessment estimated the value of the above scope of works at \$1,329,600.

Current feasibility based upon expanded scope

During the process of finalising the detailed design, the architect performed a number of due diligence processes to confirm the major elements of the project. These investigations led to a number of findings considered essential to be addressed as part of this project, and are recommended to be included in an expanded scope of works.

These additional elements are as follows:

1. Roof Structure

The roof structure and cladding was examined for structural integrity, and found to be lacking in that:

- The roof sheeting has been damaged and has depressed areas which hold water which has resulted in the roof sheeting not being watertight at the overlaps. This roof sheeting needs to be replaced with higher grade commercial/industrial material.
- The truss structure is insufficient for the new design load and requires replacement
- The roof purlins require replacement with an appropriately specified design and material.
- All associated guttering and drainage elements require replacement due to damage and undersized drainage infrastructure.
- Flashing to the roof and surrounding capping is sub-standard and requires replacement.
- The ceiling is fixed to the roof rafters and purlins by way of horse hair and plaster slurry. This is an old practise which has cracked with evidence of it coming away from the rafters. Any work to the roof will most likely further damage the ceiling, but with the requirement of the asbestos removal in the ceiling, this matter may be moot.

2. Asbestos Removal

Where a building is being upgraded or renovated, it is the City's practice to remove all asbestos that is exposed, unsealed or possibly disturbed during the upgrade works. While the City was aware of the presence of asbestos in the building, the scale of the asbestos is far in excess of that anticipated. Upon exposure and inspection of all elements of the building and the testing of samples, the following materials were found to contain asbestos:

- Ceiling structure – while the ceiling acoustic boards were scheduled for replacement due to the presence of asbestos it is now recommended that the complete ceiling structure be replaced.
- Toilets and existing River Road entrance floor tiles.
- Façade and eaves to the building elevation at various locations around the building.
- Electrical mounting board to the kitchen and main hall fuse boards.
- Under sink membrane to each of the sinks in the building.
- Five areas of infill panels around the building.
- Male toilets.
- Skirting boards around the premises.

3. Main Hall Floor

The floor has been subject to moisture damage and a claim was submitted to the City's insurers in this respect. The insurers have however not accepted the claim, and are only willing to partially contribute to the repair of a small damaged area. It is recommended that the floor be protected from water ingress and replaced in full. Sub-soil drainage on the southern side of the hall must also be installed to minimise the probability of a recurrence of damp ingress.

Cost Analysis

The table below captures the costs related to the above additional works:

Item	Description	Estimated Cost
1	Roof structure	\$112,000
2	Asbestos removal	\$100,000
3	Floor replacement	\$97,000
4	Roof sheeting plus flashings	\$85,500
5	Increased demo costs	\$55,000
6	Internal ceiling/lighting	\$49,000
7	Drainage fittings, gutters etc.	\$35,000
8	Professional fees	\$50,000
9	Contingency	\$200,000
Total estimated additional costs		\$783,500

A revised estimate of the total requirement has been provided by the quantity surveyor as follows (figures rounded):

Item	Description	Estimated Cost
1	Building works including electrical, plumbing, mechanical	\$1,430,000
2	Demo and external works including asbestos removal	\$355,000
3	Main hall upgrade, includes mechanical	\$260,000
4	External services upgrades and improvements	\$55,000
Total		\$2,100,000

This anticipated cost of the expanded scope of works is therefore \$920,000 greater than the remaining budgeted funds of \$1,180,100.

OPTIONS

The following options are alternatives for consideration:

1. Cancel the project due to the estimated costs being considerably more (\$920,000) than the remaining project budget:

This option does not address the upgrade requirements of the Hall originally identified, retaining the unacceptable features of the facility. The City will still have to address the shortcomings in the level of service of the hall at some stage.

This option is therefore not recommended.

2. Vary the scope of works to match the remaining project budget of \$1,180,100:

While this option is seemingly feasible, it does not address the fundamental problems with the Hall as identified in the detailed inspections. The asbestos removal is of particular concern, and cannot be implemented without addressing most of the other fundamental issues identified, together with associated costs.

This option is therefore not able to be implemented within the current budget provisions.

3. Refer the project with the full revised scope of works to the 2017/18 mid-year budget review (to occur in February 2018) for consideration of additional funding to an amount of approximately \$900,000.
4. Refer the project with the full revised scope of works to the 2018/19 Draft Annual Budget for consideration of additional funding to an amount of approximately \$900,000.

Option 3 is the recommended option as Council will have the opportunity to further explore alternate funding arrangements at the earliest opportunity in the context of the City's financial position in February 2018.

Project timing is also a consideration as whilst the hall remains operational, it would not be practical to have the hall out of service at the time of the annual Kelmscott Show. If works cannot be completed by September 2018, it may be preferable to reschedule the entire project to after the Kelmscott Show.

CONCLUSION

The detailed design stage of the Kelmscott Hall upgrade project has indicated that additional works are required to ensure that the Hall is compliant, addresses shortcomings in the building structure and is suitable for the intended community use. These works are estimated to cost approximately \$900,000 more than the current budget provisions.

It is recommended therefore that the project funding be referred to the mid-year review for consideration of additional funding in order to complete the project.

RECOMMEND

That Council, in regard to the Kelmscott Hall Upgrade Project:

- 1. Note the revised scope of works required at an estimated cost of \$2,100,000 as follows:**

Item	Description	Estimated Cost
1	Building works including electrical, plumbing, mechanical	\$1,430,000
2	Demo and external works including asbestos removal	\$355,000
3	Main hall upgrade, includes mechanical	\$260,000
4	External services upgrades and improvements	\$55,000
Total		\$2,100,000

- 2. Refer the matter of the additional \$920,000 required to complete the revised Kelmscott Hall upgrade to the 2017/18 mid-year Budget review.**

ATTACHMENTS

There are no attachments for this report.

5.1 - TENDER 37/17 - PEST CONTROL SERVICES

WARD : ALL
FILE No. : M/734/17
DATE : 15 November 2017
REF : SG/TD
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Tender 37/17 was recently advertised for Pest Control Services.

Recommend:

That Council, in regard to Tender 37/17 for Pest Control Services:

1. Accept the tender from Bug Busters Pty Ltd for period of two (2) years commencing 1 February 2018 and expiring on 31 January 2020 in accordance with:
 - The submitted schedule of rates as presented in Confidential Attachment 5.1.1
 - Council's contract documentation, Budget and Long Term Financial Plan estimates
2. Authorise the Chief Executive Officer to extend the contract for three (3) periods of twelve (12) months up to 31 January 2023, subject to satisfactory performance by the tenderer and price adjustment as specified in the Request for Tender Special Conditions of Contract Clause 4.1.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

2.3 Well Managed Infrastructure

2.3.2 Ensure maintenance activities address required levels of service

2.3.2.2 Ensure balance is maintained between Levels of Service and affordability

4.3 Financial Sustainability

Legislation Implications

Assessment of legislation indicates that the following apply:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods or Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the 2017/18 Budget and Long Term Financial Plan estimates commensurate with the successful tenderer recommended in this report.

Consultation

- Intra Directorate.

BACKGROUND

The City requires professional pest control services to prevent and eradicate a variety of pests throughout its facilities. The objective is to provide an efficient and effective pest control program that reduces public risk.

Tender 37/17 for Pest Control Services was advertised in the 21 October 2017 edition of the West Australian newspaper, the City of Armadale website and in a notice which was displayed on the Administration Centre, Armadale, Kelmscott and Seville Grove Libraries public notice boards.

DETAILS OF PROPOSAL

Council approval is sought to award the tender for Pest Control Services for a period of two (2) years commencing 1 February 2018 with an option to extend the contract for a further three (3) periods of twelve (12) months up to 31 January 2023.

COMMENT

Analysis

Tender 37/17 for Pest Control Services closed at 2.00pm on Tuesday, 7 November 2017. Nine (9) Tenders were received from:

	Tenderers' Names
1.	Termico Pest Management Pty Ltd
2.	Kastee Nominees Pty Ltd trading as Maxwell Robinson and Phelps
3.	Bug Busters Pty Ltd
4.	Northern Districts Pest Control
5.	Leon Enterprises Pty Ltd trading as Envirotechnics Pest Management
6.	Smartbuild Perth Pty Ltd trading as Termitrust Pest Control WA
7.	Flick Anticimex Pty Ltd
8.	CTI Pest Control
9.	Arcadia WA Pty Ltd trading as Complete Pest Management Services

No tenders were received after the close of deadline.

The tender received from Arcadia WA Pty Ltd trading as Complete Pest Management Services was found to be non-conforming and was not assessed on the basis they did not satisfactorily meet the compliance criteria, namely they did not provide a Form of Offer.

An evaluation process was undertaken having specific regard to the following Qualitative Criteria:

Relevant Experience (20% weighting)

This criterion required tenderers to describe their experience in completing similar works, including the scope of the tenderer's involvement, outcomes, details of issue management, and provide a project reference sheet.

Of the eight (8) tenderers, Envirotechnics Pest Management detailed federal and local government contracts and best covered all the criteria. Termico Pest Management Pty Ltd and Termitrust Pest Control WA also scored well in this criterion with demonstrated experience in government and commercial contracts.

Key Personnel (20% weighting)

This criterion required tenderers to describe all key operational personnel that would be involved in implementing this contract. Tenderers were required to describe the role of each of the key personnel, supply a curriculum vitae for each of the key personnel noting their performance and roles in similar projects and provide current pest control licence qualifications.

Of the eight (8) tenderers, Maxwell Robinson and Phelps and Termitrust Pest Control WA best covered all of the criteria. Both tenderers provided detailed information of nominated personnel and their qualifications, including copies of licences. Maxwell Robinson and Phelps scored highest in this criterion.

Tenderer's Resources (10% weighting)

This criterion required tenderers to provide a comprehensive list of equipment, stock and plant, contingency measures or back up of resources and a Resources Commitment Schedule (current and future contracts) to demonstrate the tenderers' capacity to provide the services.

Of the eight (8) tenderers, Bug Busters Pty Ltd, Termico Pest Management Pty Ltd and Maxwell Robinson and Phelps scored highest providing a well detailed inventory of equipment, fleet, contingency processes and commitment schedule.

Several of the remaining tenderers did not adequately provide enough detail and missed some aspects of the criteria.

Demonstrated Understanding (30% weighting)

This criterion was specifically seeking to identify each tenderer's methodology for delivering the contract requirements.

Of the eight (8) tenderers, Bug Busters Pty Ltd, Maxwell Robinson and Phelps and Termitrust Pest Control WA best covered all the requirements with Bug Busters Pty Ltd scoring highest in this criterion. All three tenderers provided comprehensive methodology of the works to be undertaken; detailed Occupational Health and Safety and Environmental Management processes and sound administrative and customer support.

Price (20% weighting)

This criterion required tenderers to submit prices for the services as outlined in the tender specification and drawings. The prices were structured as a schedule of rates table. The evaluation panel assessed the total approximate annual cost for each tender. The weighted cost method was used in the evaluation of the tenders.

The ranking of the compliant tenders as determined by the evaluation panel is as follows:

Tenderer	Relevant Experience	Key Personnel	Resources	Demonstrated Understanding	Price	Total	Ranking
	20%	20%	10%	30%	20%		
Termico Pest Management Pty Ltd	12.00	12.33	6.00	15.00	7.46	52.79	5
Kastee Nominees Pty Ltd trading as Maxwell Robinson and Phelps	11.67	13.33	6.83	19.00	6.93	57.76	2
Bug Busters Pty Ltd	10.67	11.33	5.67	22.50	11.42	61.59	1
Northern Districts Pest Control	10.67	8.67	4.67	8.00	5.66	37.67	8
Leon Enterprises Pty Ltd trading as Envirotechnics Pest Management	13.33	12.00	5.67	17.00	7.27	55.27	4
Smartbuild Perth Pty Ltd trading as Termitrust Pest Control WA	12.00	13.00	0.33	18.50	12.89	56.72	3
Flick Anticimex Pty Ltd	6.00	9.33	2.67	10.00	19.50	47.50	6
CTI Pest Control	5.67	8.67	3.50	9.00	20.00	46.84	7

Based on the panel's evaluation, using a combination of the above qualitative criteria the tender from Bug Busters Pty Ltd represents the most advantageous tender.

CONCLUSION

Tenders for Pest Control Services were recently invited with nine (9) tenders being received. All tenders were assessed against compliance. Eight (8) tenders proceeded to be assessed against qualitative criteria.

The result was that the tender received from Bug Busters Pty Ltd represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the contract be awarded to Bug Busters Pty Ltd.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 37/17 for Pest Control Services:

- 1. Accept the tender from Bug Busters Pty Ltd for a period of two (2) years commencing 1 February 2018 and expiring on 31 January 2020 in accordance with:**
 - The tenderer's submitted schedule of rates as presented at Confidential Attachment 5.1.1**
 - Council's contract documentation, Budget and Long Term Financial Plan estimates**

- 2. Authorise the Chief Executive Officer to extend the contract for three (3) periods of twelve (12) months up to 31 January 2023, subject to satisfactory performance by the tenderer and price adjustments, as specified in the Request for Tender Special Conditions of Contract Clause 4.1.**

ATTACHMENTS

- 5.1.1. Confidential Attachment - Schedule of Rates - Tender 37/17 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale***

**5.2 - TENDER 40/17 - BALANNUP LIVING STREAM STAGE 1 LANDSCAPE
HARDWORKS**

WARD : ALL
FILE No. : M/729/17
DATE : 15 November 2017
REF : JA/AO
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Tender 40/17 was recently advertised for Balannup Living Stream Stage 1 Landscape Hardworks.

Recommend:

That Council, in regard to Tender 40/17 for Balannup Living Stream Stage 1 Landscape Hardworks:

Accept the tender from Horizon West for a period of 45 weeks commencing 15 January 2018 and expiring 25 November 2017 in accordance with:

- the lump sum consideration as presented in Confidential Attachment 5.2.1
- Council's contract documentation, 2017/18 Budget and Long Term Financial Plan estimates

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

2.2 Attractive and Functional Public Places

- 2.2.1 Deliver attractive and functional streetscapes, open spaces, City buildings and facilities

2.3 Well Managed Infrastructure

- 2.3.2 Ensure maintenance activities address required levels of service

- 2.3.2.2 Ensure balance is maintained between Levels of Service and affordability

4.3 Financial Sustainability

- 4.3.3 Seek efficiencies that will reduce service delivery costs

Legislation Implications

Assessment of legislation indicates that the following apply:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 2 *Local Government (Functions and General) Regulations 1996* – Tenders for providing goods or services

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods or Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the 2017/18 Budget and Long Term Financial Plan estimates commensurate with the successful tenderer recommended in this report.

Consultation

- Intra Directorate.

BACKGROUND

Tender 40/17 for the Balannup Living Stream Stage 1 Landscape Hardworks was advertised in the 14 November 2017 edition of the West Australian newspaper, on the City's website and in a notice which was displayed on the Administration Centre, Armadale, Kelmscott and Seville Grove Libraries public notice boards.

The Tender is a part of the greater Balannup living stream project funded through the Development Contribution Plan, which aims to:

- Relocate the existing drain and create a living stream that plays an important role in stormwater management, providing conveyance and an opportunity for water quality improvement for stormwater runoff from the upstream catchment.
- Retain remnant native vegetation and revegetate areas with similar characteristics to nearby remnant vegetation.
- Provide aesthetic, recreational and conservation values in the urban environment.

The proposed works include the provision of all materials, labour, traffic management, equipment and cartage for the completion of the landscape hardworks comprising of:

- Fencing
- Pathways
- Walling
- Rock pitching
- Bridges and boardwalks

DETAILS OF PROPOSAL

Council approval is sought to award the tender for Balannup Living Stream Stage 1 Landscape Hardworks for a total period of 45 weeks comprising 19 weeks of construction followed by a maintenance period of 26 weeks, commencing 15 January 2018 and expiring 25 November 2018.

COMMENT

Analysis

Tender 40/17 for Balannup Living Stream Stage 1 Landscape Hardworks closed at 2.00pm on 31 October 2017. Tenders were received from:

	Tenderer's Name
1.	Horizon West
2.	LD Total
3.	Barrett Constructions
4.	MG Group (Manchetti)
5.	Le Grove Landscaping
6.	Advanteering Civil Engineers

All tenders were assessed against compliance criteria and all were conforming.

An evaluation process was undertaken having specific regard to the following Qualitative Criteria:

Relevant Experience (20% weighting)

This criterion required tenderers to describe their experience in completing/supplying similar requirements, including noting:

- Details of similar contracted works
- Scope of the Tenderer's involvement including details of outcomes
- A project reference sheet

Horizon West, MG Group and Advanteering Civil Engineers provided the most informative tenders and clearly outlined their experience in past landscape works of a similar scale and nature.

Key Personnel Skills and Experience (15% weighting)

This criterion required tenderers to provide information of proposed operational personnel to be allocated to this project, including:

- Their role in the performance of the contract
- Qualifications and Curriculum Vitae

Horizon West and MG Group provided a clear list of project team personnel, demonstrating depth of experience, qualifications and knowledge.

Tenderers Resources (15% weighting)

This criterion required tenderers to demonstrate their ability to undertake the works outlined, including noting:

- A comprehensive list of equipment, plant and vehicles
- Any contingency measures or back up of resources including personnel
- Resources Commitment Schedule
- Availability to commence works in the timeframe outlined

Horizon West and MG Group provided the most comprehensive tenders, in particular noting the extensive equipment and resources, current construction commitments and availability to commence works in a timely manner.

Demonstrated Understanding (15% weighting)

This criterion required tenderers to detail the process they intend to use to achieve the requirements of the project, including noting:

- The process for the delivery of the goods/services including response timeframes
- A schedule of works

MG Group and Le Grove provided the best tenders in this criterion, demonstrating a very good understanding of the works required and outlining a reasonable methodology.

Pricing (35% weighting)

This criterion required tenderers to submit prices for the works as outlined in the tender specification and drawings. The tendered prices were structured as a lump sum. The weighted cost method was used in the evaluation of the tender. The ranking of the compliant tenders as determined by the evaluation panel is as follows:

Tenderer	Relevant Experience	Key Personnel	Resources	Demonstrated Understanding	Price	Total	Ranking
	20%	15%	15%	15%	35%		
Horizon West	13.33	10.50	11.50	9.75	32.52	77.60	1
LD Total	12.00	8.50	8.50	9.50	35.00	73.50	3
Barrett Construction	9.00	5.75	7.00	7.25	28.35	57.35	6
MG Group	14.00	10.00	10.50	11.50	30.43	76.43	2
Le Grove Landscaping	10.33	8.50	8.00	10.25	24.49	61.57	5
Advanteering Civil Engineers	14.00	8.75	7.00	9.75	32.47	71.97	4

Based on the panel's evaluation, using a combination of the above qualitative criteria, the tender from Horizon West represents the most advantageous tender to the City.

CONCLUSION

Tenders for the Balannup Living Stream Stage 1 Landscape Hardworks were recently invited with six (6) tenders being received and assessed by an evaluation panel against compliance and qualitative criteria.

The result was that the tender received from Horizon West represented the most advantageous tender to the City.

The evaluation panel therefore recommends that the contract be awarded to Horizon West for a total period of 45 weeks including 19 weeks of construction followed by a maintenance period of 26 weeks, commencing 15 January 2018 and expiring 25 November 2018.

NB: The Confidential Attachment to this report detailing the recommended tenderer's price/consideration will be made public when Council has accepted the successful tender.

RECOMMEND

That Council, in regard to Tender 40/17 for Balannup Living Stream Stage 1 Landscape Hardworks:

Accept the tender from Horizon West for a period of 45 weeks commencing 15 January 2017 and expiring 25 November 2017 in accordance with:

- **The tenderer's submitted lump sum as presented at Confidential Attachment 5.2.1**
- **Council's contract documentation, 2017/18 Budget and Long Term Financial Plan estimates**

ATTACHMENTS

- 5.2.1. Confidential Attachment - Price Schedule - Tender 40/17 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

**5.3 - PANEL OF PRE-QUALIFIED SUPPLIERS PPS/1/17 - PROVISION OF FENCING
INSTALLATION AND MAINTENANCE SERVICES**

WARD : ALL
FILE No. : M/716/17
DATE : 14 November 2017
REF : CW
RESPONSIBLE : Executive Director
MANAGER : Technical Services

In Brief:

- Applications to Join a Panel of Pre-Qualified Suppliers PPS/1/17 were recently advertised for the Provision of Fencing Installation and Maintenance Services.

Recommend:

That Council, with regard to Panel of Pre-Qualified Suppliers PPS/1/17 for the Provision of Fencing Installation and Maintenance Services:

1. Accept the applications from:

JSB Fencing and Machinery Hire Pty Ltd and SCP Conservation and Land Management for:

- Schedule A - Installation Works

AND

JSB Fencing and Machinery Hire Pty Ltd and Horizon Works for:

- Schedule B - Maintenance and Minor Repairs

for a period of two (2) years commencing on 15 January 2018 and expiring on 14 January 2020 in accordance with:

- the submitted schedule of rates as presented in Confidential Attachment 5.3.1
- Council's contract documentation, 2017/18 Budget and Long Term Financial Plan Estimates

2. Authorise the Chief Executive Officer to extend the contracts for two (2) periods of twelve (12) months up to 14 January 2022, subject to satisfactory performance by the applicants and price adjustments as specified in the Request for Application to Join a Panel of Pre-Qualified Suppliers Special Conditions of Contract Clause 4.1.

Tabled Items

Nil.

Officer Interest Declaration

Nil.

Strategic Implications

2.2 Attractive and Functional Public Places

2.2.1 Deliver attractive and functional streetscapes, open spaces, City buildings and facilities

2.3 Well Managed Infrastructure

2.3.2 Ensure maintenance activities address required levels of service

2.3.2.2 Ensure balance is maintained between Levels of Service and affordability

4.3 Financial Sustainability

4.3.3 Seek efficiencies that will reduce service delivery costs

4.3.3.3 Investigate ways that assets service levels can be matched to long term funding capability

Legislation Implications

Assessment of legislation indicates that the following apply:

- Section 3.57 *Local Government Act 1995* – Tenders for providing goods or services
- Division 3 *Local Government (Functions and General) Regulations 1996* – Panels of pre-qualified suppliers

Council Policy/Local Law Implications

Assessment of Policy/Local Law indicates that the following is applicable:

- Council Policy ADM 19 – Procurement of Goods or Services

Budget/Financial Implications

The proposed expenditure can be accommodated in the 2017/18 Budget and Long Term Financial Plan estimates commensurate with the successful applicants recommended in this report.

Consultation

- Intra-Directorate.

BACKGROUND

Applications to join a Panel of Pre-Qualified Suppliers PPS/1/17 were advertised in the 14 October 2017 edition of the West Australian newspaper, on the City's website and in a notice which was displayed on the Administration Centre, Armadale, Kelmscott and Seville Grove Libraries public notice boards.

Fencing installation and maintenance is required throughout the City within the City's parks, reserves and road verges.

This Panel comprises two schedules:

- Schedule A - Installation Works
- Schedule B - Maintenance and Minor Repairs

Applicants were invited to apply for either one or both Schedules, with two applicants to be appointed to each Schedule.

DETAILS OF PROPOSAL

Council approval is sought to award the Panel of Pre-Qualified Suppliers – Provision of Fencing Installation and Maintenance Services for a period of two (2) years, commencing on 15 January 2018 with an option to extend the contracts for a further two (2) periods of twelve (12) months.

COMMENT

Analysis

The Request for Applications to Join a Panel of Pre-Qualified Suppliers – Provision of Fencing Installation and Maintenance Services closed at 2:00pm on 31 October 2017. Six (6) applications were received from:

	Applicant's Name
1.	JSB Fencing and Machinery Pty Ltd
2.	The Trustee for Sam Smith Family Trust trading as SCP Conservation and Land Management
3.	Bace (WA) Pty Ltd trading as Bensons Contracting
4.	Guilbert Pty Ltd trading as Horizon Works
5.	JAEG Nominees Pty Ltd trading as Creative Driveways and Fencing
6.	FenceWright Pty Ltd

All applications were assessed against compliance criteria and all were conforming.

An evaluation process was undertaken for each Panel Schedule having specific regard to the following Qualitative Criteria:

SCHEDULE A – INSTALLATION WORKS

Relevant Experience (20% weighting)

This criterion required applicants to provide a project reference sheet detailing similar works to this panel including outcomes, project costs and references.

JSB Fencing and Machinery Pty Ltd and FenceWright Pty Ltd scored highest in this criterion. Both applicants provided a high level of detail in their applications, met the criteria with no deficiencies, demonstrated previous experience with similar works (including large scale fencing installations), and were well recommended.

Key Personnel (20% weighting)

This criterion required applicants to provide details on the proposed operational personnel including their roles and a curriculum vitae noting experience.

JSB Fencing, Machinery Hire Pty Ltd and FenceWright Pty Ltd scored highest in this criterion. Both applicants met the criteria with no deficiencies, providing details of the personnel to be involved in the works, including their relevant qualifications and significant previous experience on large scale projects.

Resources (20% weighting)

This criterion required applicants to demonstrate their ability to supply and sustain the necessary plant, equipment and materials with details of stock supply on hand and lead times on materials.

JSB Fencing and Machinery Hire Pty Ltd, Bensons Contracting, and Creative Driveways and Fencing best addressed this criterion. All three applicants detailed an expansive list of plant and machinery available to carry out the works required and provided detail of the availability of stock on hand and lead times on sourcing materials. All three applicants met the criterion with no deficiencies.

Demonstrated Understanding (20% weighting)

This criterion required applicants to detail the process they intend to use to achieve the requirements of the specification. Applicants were required to provide the process and timeframes for the delivery of new fencing installation and a copy of relevant OHS, Environmental and Risk Management Policies and Procedures.

SCP Conservation and Land Management and JSB Fencing and Machinery Hire Pty Ltd best addressed this criterion. Both applicants detailed the delivery process with a strong focus on Occupational Health and Safety and relevant Environmental Practices. Both applicants also placed an emphasis on communication and the methodology of works. SCP Conservation and Land Management provided detail on temporary water and power services and plans to ensure continuity of service to minimise potential impacts on other users of any given works areas. SCP Conservation and Land Management also encouraged feedback in the form of reviews and key performance indicators to enable them to ensure their best service delivery.

Pricing (20% weighting)

This criterion required applicants to submit prices for the works as outlined in the panel specification and drawings. The prices were structured as a schedule of rates table. The weighted cost method was used in the evaluation of the applications, weighting prices for fencing types most commonly used against fencing types used least often to truly reflect the rates most beneficial to the City.

SCP Conservation and Land Management and JSB Fencing and Machinery Hire Pty Ltd provided a high level of detail in their applications and best addressed this criterion.

The ranking of the applications as determined by the evaluation panel is as follows:

Applicants	Relevant Experience	Key Personnel	Resources	Demonstrated Understanding	Price	Total	Ranking
	20%	20%	20%	20%	20%		
JSB Fencing and Machinery Hire	12.67	13.67	13.67	12.00	12.99	65.00	1
SCP Conservation and Land Management	10.67	9.00	9.33	12.67	16.79	58.46	2
Bensons Contracting	10.67	9.00	12.00	7.33	11.78	50.78	6
Horizon Works	11.00	6.67	10.33	11.33	14.32	53.65	3
Creative Driveways and Fencing	9.67	8.67	12.00	11.33	9.30	50.97	5
FenceWright	12.33	12.00	9.33	10.67	8.38	52.71	4

Based on the panel's evaluation, using a combination of the above qualitative criteria, the applications for fencing installation from JSB Fencing and Machinery Hire Pty Ltd and SCP Conservation and Land Management represent the most advantageous applications for Panel Schedule A – Installation Works.

SCHEDULE B – MAINTENANCE AND MINOR REPAIRS

Relevant Experience (20% weighting)

This criterion required applicants to provide a project reference sheet detailing similar works to this panel including outcomes, project costs and references.

JSB Fencing and Machinery Hire Pty Ltd and Horizon Works scored highest in this criterion. Both applicants successfully demonstrated previous experience in carrying out similar maintenance works for several large companies and other local government authorities and met the criterion with no deficiencies.

Key Personnel (20% weighting)

This criterion required applicants to provide details on the proposed operational personnel including their roles and a curriculum vitae noting experience in similar projects.

JSB Fencing and Machinery Hire Pty Ltd and FenceWright Pty Ltd best addressed this criterion. Both applicants met the criterion with no deficiencies and detailed all personnel to be involved in the works, including their relevant qualifications and previous experience.

Resources (20% weighting)

This criterion required applicants to demonstrate their ability to supply and maintain the necessary plant, equipment and materials with details of stock supply on hand and lead times on materials.

JSB Fencing and Machinery Hire Pty Ltd, Bensons Contracting, and Creative Driveways and Fencing best addressed this criterion. All three applicants detailed an expansive list of plant and machinery available to carry out the works, detailed their as stock on hand and demonstrated their ability to source materials.

Demonstrated Understanding (20% weighting)

This criterion required applicants to detail the process they intend to use to achieve the requirements of the specification. Applicants were required to provide the process and timeframes for fencing maintenance and minor repairs including emergency response and a copy of relevant OHS, Environmental and Risk Management Policies and Procedures.

SCP Conservation and Land Management, JSB Fencing and Machinery Hire Pty Ltd and Horizon Works best addressed this criterion. All three applicants detailed the delivery process, including availability for repairs, timeframes for repair works and emergency call out processes. All three applicants also detailed interim measures to make sites safe for the public whilst works were undertaken.

Pricing (20% weighting)

This criterion required applicants to submit prices for the works as outlined in the panel specification and drawings. The prices were structured as a schedule of rates table. The weighted cost method was used in the evaluation of the applications.

The ranking of the compliant applications as determined by the evaluation panel is as follows:

Applicants	Relevant Experience	Key Personnel	Resources	Demonstrated Understanding	Price	Total	Ranking
	20%	20%	20%	20%	20%		
JSB Fencing and Machinery Hire Pty Ltd	11.33	14.67	12.00	11.00	13.16	62.16	1
SBC Conservation and Land Management	4.00	9.67	10.00	13.33	10.59	47.59	4
Bensons Contracting	4.00	9.00	12.67	10.00	11.60	47.27	5
Horizon Works	10.00	8.00	10.00	11.00	13.89	52.89	2
Creative Driveways and Fencing	8.67	10.67	12.67	10.00	6.57	48.58	3
FenceWright Pty ltd	0.00	13.00	10.00	9.00	5.68	37.68	6

Based on the panel's evaluation, using a combination of the above criteria, the applications for fencing maintenance from JSB Fencing and Machinery Hire Pty Ltd and Horizon Works represent the most advantageous applications for the Panel Schedule B – Maintenance and Minor Repairs.

CONCLUSION

Applications to Join a Panel of Pre-Qualified Suppliers PPS/1/17 for the Provision of Fencing Installation and Maintenance Services were recently invited with six (6) applications being received for each Panel Schedule and assessed by an evaluation panel against compliance and qualitative criteria.

The applications received from JSB Fencing and Machinery Hire Pty Ltd and SCP Conservation and Land Management for Panel Schedule A – Installation Works represented the most advantageous applications to the City.

The applications received from JSB Fencing and Machinery Hire Pty Ltd and Horizon Works for Panel Schedule B – Maintenance and Minor Repairs represented the most advantageous applications to the City.

The evaluation panel therefore recommends that the Panel of Pre-Qualified Suppliers for PPS/1/17 – Provision of Fencing Installation and Maintenance Services be awarded as follows:

- Schedule A - Installation Works be awarded to JSB Fencing and Machinery Hire Pty Ltd and SCP Conservation and Land Management
- Schedule B - Maintenance and Minor Repairs be awarded to JSB Fencing and Machinery Hire Pty Ltd and Horizon Works

NB: The Confidential Attachment to this report detailing the recommended applicants' price/consideration will be made public when Council has accepted the successful applications.

RECOMMEND

That Council, in regard to Panel of Pre-Qualified Suppliers PPS/1/17 for the Provision of Fencing Installation and Maintenance Services:

1. Accept the applications from:

JSB Fencing and Machinery Hire Pty Ltd and SCP Conservation and Land Management for:

- **Schedule A - Installation Works**

AND

JSB Fencing and Machinery Hire Pty Ltd and Horizon Works for:

- **Schedule B - Maintenance and Minor Repairs**

for a period of two (2) years commencing on 15 January 2018 and expiring on 14 January 2020 in accordance with:

- **The submitted schedule of rates as presented at Confidential Attachment 5.3.1**
- **Council's contract documentation, 2017/18 Budget and Long Term Financial Plan estimates.**

2. Authorise the Chief Executive Officer to extend the contracts for two (2) periods of twelve (12) months up to 14 January 2022 subject to satisfactory performance by the applicants and price adjustments as specified in the Request for Application to Join a Panel of Suppliers Special Conditions of Contract Clause 4.1.

ATTACHMENTS

- 5.3.1. Confidential Attachment - Price Schedule - PPS/1/17 - *This matter is considered to be confidential under Section 5.23(2) (c) of the Local Government Act, as it deals with the matter relates to a contract entered into or which may be entered into by the City of Armadale*

6.1 - ALTERNATIVE INFRASTRUCTURE - NEW DEVELOPMENT AREAS (REFERRAL ITEM)

At the Council meeting held on 13 November 2017, Cr D Shaw referred the following matter to the Technical Services Committee:

That the matter of alternative infrastructure in new development areas to reduce fill be referred to the Technical Services Committee.

Comment from Cr D Shaw

A large portion of the remaining urban land left to be developed in the City is on marginalised land (ie. subject to ground movement and/or have a high water table, such as clay or silt sites).

Developers typically bring in large quantities of fill for the following main reasons:

- To stabilise the site, ensuring 'A Class' soil classification is achieved. 'A Class' sites only require a basic slab with footing, therefore reducing the cost of construction on these sites
- To create adequate separation to the water table, to ensure moisture does not get into the slab
- To achieve the required grades to enable adequate flow for sewer and water

I seek a report on whether the use of alternative infrastructure such as ovoid pipes would provide any meaningful reduction in the level of fill required and if so, how the use of these pipes can be mandated by the City.

Officer Comment

As a local government, the City is often approached by product suppliers, for a range of products which are motivated for inclusion in the standard specifications and requirements of the City. Being in a growth area, the City is often targeted in this respect as products included in a specification would ensure their continuous use which would be of significant benefit to the supplier.

There have of course been many benefits to the City with the introduction of new product developments, which have aided infrastructure operating and maintenance costs. Equally, new products have occasionally been detrimental, resulting in replacements being required at significant cost to the City. The City takes a measured approach to assessing all new products which are considered by the City's Engineers. Considering the risk attached to using an inappropriate product in a bulk application such as new sub-divisional areas, a measured approach is considered essential.

The City is however, aware of the HOBAS GRP ovoid pipe and its use at the Calleya subdivision. Officers from the City have visited the Calleya subdivision and inspected the ovoid pipe during construction.

The main benefit and use of the pipe would be to convey stormwater over long distances at very flat grades. This would mainly benefit developments over an extended area, where the nearest stormwater drain is at some distance from the development area, as fill requirements increase exponentially the greater the distance. In the City's case, the distances between the development areas and the nearest stormwater drain are relatively small and with the high cost of this new product, the increased pipe costs are not offset against the potential saving in sand fill.

In the City's case, increased fill levels are related to the requirement for separation between the finished level of the development and the water table, rather than being governed by stormwater gradients. Therefore in broad terms, in the majority of cases, the use of the ovoid pipe would not impact on the ultimate fill level.

The City has received very few approaches by developers and their consulting engineers regarding the possible use of this product in the City of Armadale. This points to the industry applying the same logic as detailed above, ie. that in most cases it is not cost effective to apply this product in the City of Armadale.

The City is however prepared to assess the suitability and use of the ovoid pipe on a case by case basis if proposed by a developer.

Should the Committee accept the above rationale, then the following recommendation is suggested for consideration:

“That Council note the content of the Officer Comment relating to the application of ovoid pipes in the City.”

RECOMMEND

To be considered.

ATTACHMENTS

There are no attachments for this report.

COUNCILLORS' ITEMS

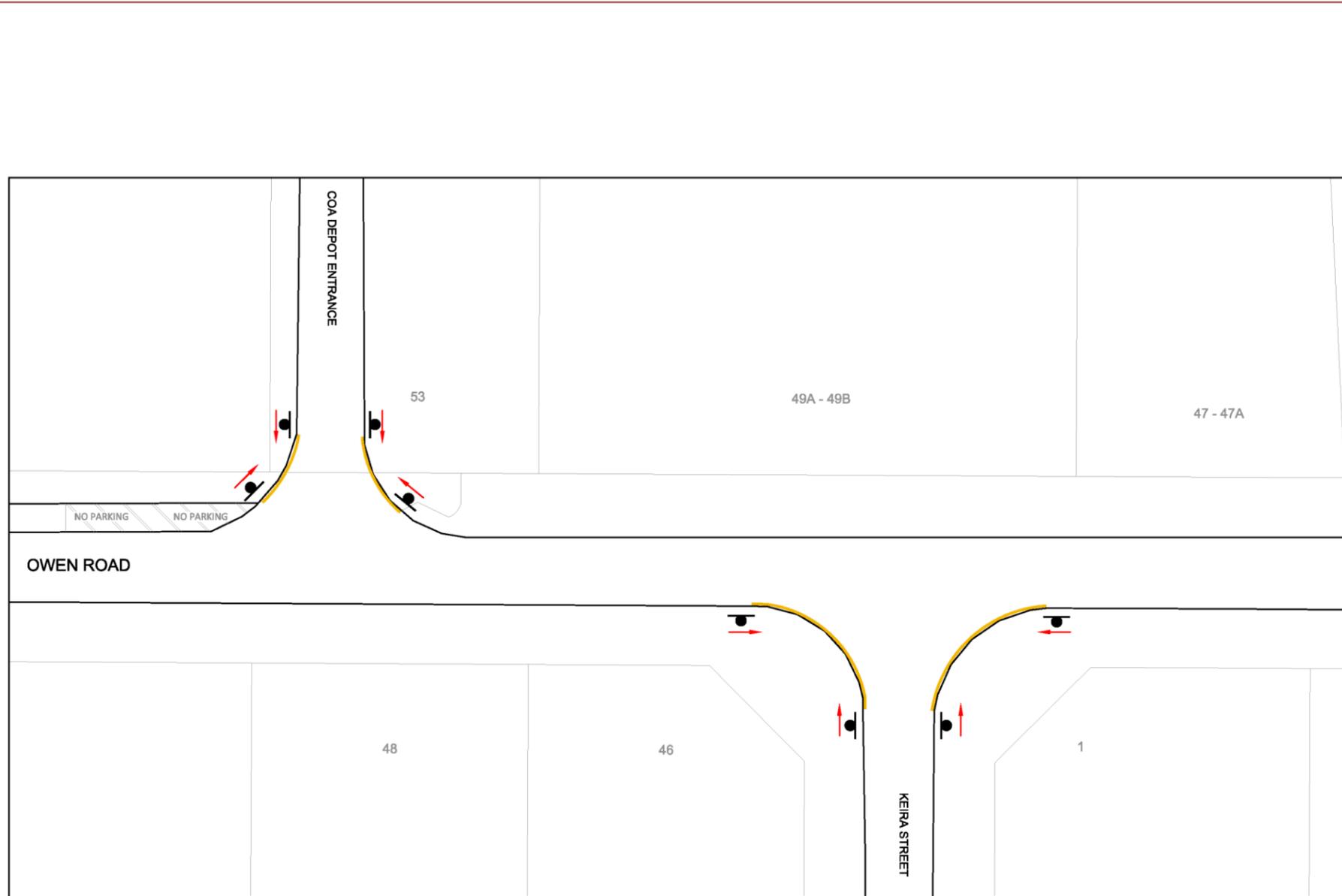
Nil.

EXECUTIVE DIRECTOR TECHNICAL SERVICES REPORT

To be submitted.

MEETING DECLARED CLOSED AT _____

TECHNICAL SERVICES COMMITTEE		
SUMMARY OF ATTACHMENTS		
4 DECEMBER 2017		
ATT NO.	SUBJECT	PAGE
2.1 PARKING RESTRICTIONS - OWEN ROAD, KELMSCOTT		
2.1.1	E17-64 – Proposed Parking Restrictions Owen Road/Keira Street Kelmscott	47
3.1 CITIES POWER PARTNERSHIP INITIATIVE		
3.1.1	CPP Councils Information_Final	48



LEGEND

-  INSTALL NO STOPPING SIGN
-  DIRECTION OF SIGN ARROW
-  INSTALL NO STOPPING YELLOW LINE MARKING



SCHEDULE OF QUANTITIES		
ITEM	UNIT	QUANTITY
NEW SIGNS	No.	8
APPROX. TOTAL LENGTH YELLOW LINE MARKING	m	80

No	Date	Revision	By	Approved

Scale:	1:250
Datum:	Old
Surveyed:	AHD PCG 94
Date:	NA



THIS DRAWING REMAINS THE PROPERTY OF THE CITY OF ARMADALE AND SHALL NOT BE RETAINED, COPIED, OR USED, WITHOUT WRITTEN APPROVAL FROM THE DIRECTOR ENGINEERING SERVICES

Drawn:	MC	Date:	June 2017	Signed:	
Designed:	MC	Date:	June 2017	Signed:	
Checked:	WO	Date:	June 2017	Signed:	
Director Engineering Services:		Date:		Signed:	

Project:

OWEN ROAD
KELMSCOTT

PARKING RESTRICTIONS

PC No:	0
Item No:	
Sheet No:	1 of 1
Revision No:	0
DWG No:	E17-64



CITIES POWER PARTNERSHIP

Information for councils



CLIMATECOUNCIL.ORG.AU

Cities Power Partnership

cpp@climatecouncil.org.au

citiespowerpartnership.org.au (website launching July 2017)

© 2017 Climate Council



A National Program for 2017

Contents

1

Executive Summary

7

Power Up

2

The Climate Council

7

Power On

3

The Challenge

8

What Does Success Look Like?

3

Local Champions

9

Frequently Asked Questions

5

A Snapshot of the
Cities Power Partnership

10

Appendix

6

The Three Phases of the Cities
Power Partnership

14

Appendix

6

Become a Power Partner

18

References

Executive Summary

Australia is on the frontline of climate change and its impacts.

We continue to swelter through record breaking heat, lengthening bushfire seasons, worsening coastal flooding and supercharged storms. Meanwhile, the national energy debate is reaching fever pitch, with renewable energy lambasted by our nation's political and industry leaders as unreliable and unaffordable, whilst "clean coal" technology and gas expansion is being promoted as Australia's future energy solution. As climate impacts worsen and government action stagnates, the window of opportunity to limit the warming of the planet is rapidly closing.

Throughout all of these challenges, local heroes have quietly been getting on with the job. Cities and towns across Australia are surging ahead with emissions reduction plans, switching to cleaner energy and building greener, efficient and more resilient communities. The Cities Power Partnership (CPP) will elevate and accelerate this action across the country. We know that transforming the way cities use and generate energy alone has the potential to deliver 70% of the total emissions reductions needed to stay on track for the 2 degrees limit set under the Paris Agreement.

The CPP will engage with towns and cities, via local councils, throughout Australia and incentivise councils to increase renewable energy and energy efficiency, improve transport and engage in advocacy. Members of the partnership will also be given access to a national knowledge hub, buddied with cities to knowledge share, visited by domestic and international experts, connected with community energy groups and celebrated at events with other local leaders. We'll also showcase the incredible achievements of cities in national, local and social media to millions and share their successes with our community of over 200,000 members and supporters.

**"Cities and towns across
Australia are surging ahead
with emissions reduction plans"**

\$72m

**worth of
media.**

313m

**cumulative
audience.**

76

reports.

The Climate Council

The Climate Council is Australia's leading climate communications organisation. To date the Climate Council has produced 76 reports on climate impacts and solutions and was the number one organisation communicating on climate change nationally in 2016.

The Climate Council brings a unique set of skills that enable us to build and deliver the Cities Power Partnership program and ensure that it differs from existing programs for local councils. The Climate Council has significant media reach, generating nearly \$72 million worth of media, reaching a cumulative audience of 313 million. This media reach will be key as an incentive for cities to join the program as well as working to strengthen public support across the country for climate action at the local level.

In addition, the Climate Council hosts a wealth of leading experts in climate impacts and renewable energy solutions whose technical knowledge will be key to helping local councils to implement emissions reduction measures. The Climate Council will also use its national status and the credibility of its Climate Councillors to connect councils across the country with community energy groups and local organisations who can help councils to implement energy efficiency and renewable energy measures quickly and effectively, as well as getting sponsors on board who can provide incentives for councils to act.

The Challenge

Global heat records have been broken again, with 2016 declared the hottest for a third consecutive year. Australians continues to swelter through record breaking heat, lengthening bushfire seasons, worsening coastal flooding and supercharged storms.

The emission of greenhouse gases from the burning of fossil fuels like coal, oil and gas, are driving these dramatic changes of the climate system and need to be drastically reduced. However, the window of opportunity to limit the warming of the planet and its catastrophic impacts is rapidly closing and governments are struggling to meet this challenge at the pace required.

Local Champions

In the face of these challenges local champions have emerged.

Around the world and across Australia, towns and cities of all shapes and sizes are getting on with the job. They are surging ahead with emissions reduction plans, switching to cleaner energy and building greener, efficient and more resilient communities. From booming urban centres to small rural townships, local governments and groups of determined residents have been energy and climate trailblazers in many ways. Towns and cities can shape how land is used, investments are made and millions of dollars worth of renewable energy is rolled out. They can influence how new homes and businesses are built, determine the ways in which hundreds of thousands of residents will travel each day and band together to lobby for much needed state and federal policy change. Transforming the way cities use and generate energy alone has the potential to deliver 70% of the total emissions reductions needed to stay on track for the 2 degrees limit set under the Paris Agreement (IEA 2016).

"Local governments and groups of determined residents have been energy and climate trailblazers in many ways."





A Snapshot of the Cities Power Partnership

The Climate Council's Cities Power Partnership (CPP) seeks to celebrate and accelerate the emission reduction and clean energy successes of Australian towns and cities to date. We are calling on Mayors, councillors and communities to take the next step towards a sustainable, non-polluting energy future by joining the CPP. The CPP will launch mid 2017, along with a Climate Council cities report authored by some of Australia's leading experts, a brand new CPP website and a media campaign featuring trailblazing councils who have joined the partnership. The first year of the program will run from mid 2017-mid 2018.

Participating councils who join the partnership will have 6 months to select 5 key actions from the partnership pledge ranging from renewable energy, efficiency, transport and advocacy (*see Appendix A for full pledge and Appendix B for pledge examples*). Councils will receive access to a national knowledge hub to assist with the implementation of emissions reductions projects and will be buddied with other participating councils to knowledge share. Participants in the partnership will also have exclusive access to domestic and international experts, community energy groups, events with other local leaders and potentially exclusive access to small grants and renewable energy incentives as they become available. The clean energy successes of councils and their communities will be showcased in print and online media across Australia. These positive stories will also be shared through our social media platforms to millions of people and celebrated by our community of over 200,000 members and supporters.

The Three Phases of the Cities Power Partnership



Become a Power Partner

Act:

Councils sign up to be a Power Partner.

Knowledge:

Partners get exclusive access to the extensive online knowledge hub.

Connect:

Each partner is buddied with two other local councils to knowledge share throughout the year.

Profile:

Power partners are profiled in national and local media, online and to our 200,000 members and supporters.



2

Power Up

Act:

Partners have 6 months to select 5 key actions from the partnership pledge ranging from renewable energy, efficiency, transport and advocacy. They must identify a point of contact within council who will liaise with the Climate Council and work to implement their actions. Pledges are submitted by each partner and profiled online.

Knowledge:

Partners will have ongoing access to the knowledge hub, webinars with domestic and international experts as well as communications and advocacy training where required.

Connect:

Power Partners can be connected with their local community energy group and relevant local organisations who can be contracted to help council begin or improve implementation of emission reduction actions. Councils who are already leading will play an important knowledge sharing role with other partners and will be profiled in the media to inspire others.

Incentives:

Cities who join the partnership early may have access to exclusive grants and renewable energy incentives as they become available.

Profile:

Power partners and their local success stories will continue to be profiled in the media. Climate Councillors will travel to a range of communities across Australia to engage in community events and talk to councils.

3

Power On

Act:

Partners report on progress against key actions in a 6 monthly survey.

Knowledge:

Partners access local and international knowledge and inspiration at the 2018 Power Partners Summit.

Connect:

Partners will be brought together to celebrate the high achieving towns and cities at the Power Partners Summit.

Profile:

Success stories will continually be celebrated in the media, Climate Councillors continue to travel to a range of Australian communities, more towns and cities become Power Partners and lead the switch to non-polluting energy across the country.

What Does Success Look Like?

From mid 2017 to mid 2018, at least 50 councils will pledge to become Power Partners. Each council who becomes a power partner will identify 5 key actions from the Power Partner Pledge, ranging from renewable energy to transport, which they'll report on every 6 months via the Climate Council's online survey.

From mid 2017 to 2018 national public opinion will continually increase in support of the statement "I consider my council to be a leader on emissions reduction".



Frequently Asked Questions

When is the Cities Power Partnership launching?

It's launching in July 2017. The launch will include the launch of the CPP website, a media and stakeholder launch which showcases towns and cities who have already pledged and a national media campaign.

Can the broader community nominate their town or city to be part of the Cities Power Partnership?

Yes. When the Cities Power Partnership website launches nominations can easily be made through the website. In the meantime if the general public want to recommend a town or city for the Cities Power Partnership they are invited to email the Climate Council telling us the name of the city and why they think it's a good fit.

How do community energy organisations get involved?

We are actively reaching out to community energy organisations across the country to get involved. The Cities Power Partnership wants to profile and connect community energy groups with councils involved in the partnership. This connection is vital to help councils achieve success as community energy groups and the community more broadly can provide on the ground support, including workshops and modelling, to help councils achieve their energy and sustainability commitments.

What if a town or city is already leading in renewable energy and sustainability, what does their city get out of joining the partnership ?

Cities leading the way play an essential role in the partnership. They will share their knowledge with other cities, their successes will be celebrated to an audience of millions to inspire others and they will have access to resources and incentives to help them to continue to lead.

Many trailblazing cities who are already leading will have some of their existing initiatives counted towards their power partnership pledge.

Appendix

Appendix A: The Partnership Action Pledge

Participating councils who join the partnership will have 6 months to select 5 key actions from the options below.

Renewable Energy



1. Use strategic and statutory planning processes to promote renewable energy – both at the residential, commercial and larger scale.



2. Provide council resources to educate and support the uptake of renewable energy, such as by hiring an internal renewable energy support officer or establishing an independent body (such as the Moreland and Yarra Energy Foundations).



3. Install renewable energy (solar PV and battery storage) on council buildings for example childcare facilities, libraries, street lighting, recreation centres, sporting grounds, and council offices.



4. Support community facilities accessing renewable energy through incentives, support or grants.



5. Power council operations by renewables, directly (with solar PV or wind), or by purchasing Greenpower (from electricity retailers). Set targets to increase the level of renewable power for council operations over time.



6. Encourage local businesses and residents to take up solar PV, battery storage and solar hot water heating. This can be done through providing incentives (such as solar bulk buy schemes or flexible payment options) or streamlining approval processes (such as removing planning and heritage barriers to solar PV).

-  **7.** Support community energy projects (with location and planning support) so that residents (such as renters) can band together and invest in community renewable energy projects.
-  **8.** Opening up unused council managed land for renewable energy, for example land fills, and road reserves.
-  **9.** Facilitate large energy users collectively tendering and purchasing renewable energy at a low cost.
-  **10.** Set minimum renewable energy benchmarks for new developments, for example Denman Prospect, ACT requires every new house to install a minimum solar PV system.
-  **11.** Electrify public transport systems (for example buses operated by council) and fleet vehicles and power these by 100% renewable energy.
-  **12.** Lobby electricity providers and state government to address barriers to renewable energy take up at the local level (whether these be planning, technical, economic or policy related).

Energy Efficiency

-  **1.** Set minimum energy efficiency benchmarks for all planning applications.
-  **2.** Adopt best practice energy efficiency measures across all council buildings, and support community facilities to adopt these measures.
-  **3.** Public lighting can use a large proportion of a city's energy budget - roll out energy efficient lighting (particularly street lighting) across the municipality.
-  **4.** Provide incentives (for example rate reductions) for best practice developments such as streamlined planning processes, and support for retrofitting energy efficiency measures for existing buildings.
-  **5.** Incentivise the deployment of energy efficient heating and cooling technologies.

12 Cities Power Partnership

Transport

-  1. Ensure Council fleet purchases meet strict greenhouse gas emissions requirements and support the uptake of electric vehicles.
-  2. Provide fast-charging infrastructure throughout the city at key locations for electric vehicles.
-  3. Encourage sustainable transport use (public transport, walking and cycling) through Council transport planning and design. Substantial savings in transport energy use can be achieved by designing more compact cities with access to high quality public and active transport services and facilities.
-  4. Ensure that new developments are designed to maximize public and active transport use, and are designed to support electric vehicle uptake.
-  5. Providing for adequate cycle lanes (both space and connectivity) in road design and supporting cyclists through providing parking, and end-of-ride facilities (covered, secure bike storage, showers, bicycle maintenance and incentives).
-  6. Reduce or remove minimum car parking requirements for new housing and commercial developments where suitable public transport alternatives exist.
-  7. Lobby state and federal governments for improvements to planning legislation to promote sustainable transport options, and increased investment in and provision of public transport services.
-  8. Consider disincentives for driving high emitting vehicles such as congestion pricing, or a tiered payment system for residential car parking permits where high emitting vehicles pay more.

Work Together and Influence

-  1. Set city-level renewable energy or emissions reduction targets and sustainable energy policies to provide a common goal and shared expectations for local residents and businesses.
-  2. Lobby state and federal government to address barriers to the take up of renewable energy, energy efficiency and/or sustainable transport, and to support increased ambition. For example working to lobby on the Smart Energy Communities policy.
-  3. Set up meetings and attend events, such as the Community Energy Congress or the Cities Power Partnership Summit, where like-minded cities can address common concerns and learn from others' experience.
-  4. Implement an education and behavior change program to influence the behavior of council officers, local residents and businesses within the municipality to drive the shift to renewable energy, energy efficiency and sustainable transport.
-  5. For communities reliant on a local coal industry, local government can support the transition away from fossil fuels, by lobbying for state and federal support for a just transition for workers, families and the community and encouraging local economic development and opportunities based on a low carbon economy.
-  6. Ensure that the practices of local government contractors and financing such as banking, insurance and super are aligned with council goals relating to renewable energy, energy efficiency and sustainable transport. Set appropriate criteria for council procurement.
-  7. Promote knowledge sharing and strengthen the local community's capacity and skills in renewable energy, energy efficiency and sustainable transport.

Appendix

Appendix B: Pledge Examples

Examples: renewable energy action

Action		Examples	Link
Promote renewable energy - both at the residential, commercial and larger scale	Use land use planning measures to encourage uptake, such as streamlining approvals processes and removing barriers.	Moreland City Council, Victoria has a planning guide to protecting existing solar panels from overshadowing.	http://www.moreland.vic.gov.au/globalassets/areas/strategic-planning/solar-panels---advisory-note-as-endorsed-by-council-13-july-2016.pdf
	Set minimum renewable energy benchmarks for new developments.	Denman Prospect in the ACT requires every new house to install a minimum sized solar system. City of Nedlands, WA requires a minimum of 1.5kW onsite solar or wind for all new homes and renovations.	http://www.actewagl.com.au/About-us/Media-centre-and-reports/2015/10/09/Denman-Prospect.aspx http://reneweconomy.com.au/new-build-houses-must-install-solar-wind-in-wa-suburb-27550/
	Hire an internal renewable energy support officer or establish an independent body tasked with promoting renewable energy.	Examples include: Moreland Energy Foundation, Victoria. Yarra Energy Foundation, Victoria.	http://www.mefl.com.au/ http://www.yef.org.au/
	Encourage local businesses, community facilities and residents to take up renewable energy by providing incentives (such as grants, solar bulk buy schemes or flexible payment options).	Adelaide City Council in SA has a Sustainability Incentives Scheme for local residents.	http://www.adelaidecitycouncil.com/your-council/funding/sustainable-city-incentives-scheme/

Action		Examples	Link
Power council operations by renewable energy	Set targets to increase the level of renewable power for council operations and the broader community over time.	Australian Capital Territory set a goal for 100% renewable energy by 2020 delivered by a series of reverse auctions for renewable energy.	https://www.climatecouncil.org.au/act-report
	Power operations directly by renewable energy (with solar PV or wind).	Sunshine Coast Council in QLD developed the Valdora solar farm to power council operations. Cockburn in WA is using geothermal heating for its sporting complex.	https://www.sunshinecoast.qld.gov.au/Council/Planning-and-Projects/Major-Regional-Projects/Sunshine-Coast-Solar-Farm http://www.cockburn.wa.gov.au/Council_Services/Environment/Renewable_Energy/
	Install renewable energy (solar PV and battery storage) on council buildings for example childcare facilities, libraries, street lighting, recreation centres, sporting grounds, and council offices.	Bathurst in NSW installed solar systems across nine council buildings. Leichardt Council in NSW installed solar systems on 17 council buildings. Solar and battery storage installed on government buildings in Adelaide.	https://www.bathurst.nsw.gov.au/environment/energy-sustainability/solar-power-on-council-buildings.html http://www.leichardt.nsw.gov.au/Environment---Sustainability/Projects-and-Programs/Council-Solar-Panels http://www.premier.sa.gov.au/index.php/tom-koutsantonis-news-releases/896-zen-energy-to-install-1m-battery-storage-on-government-owned-buildings
	Opening up unused council managed land for renewable energy.	Cambelltown in SA supporting a community owned solar project utilising the rooftops of local government buildings.	http://www.campbelltown.sa.gov.au/cos

16 Cities Power Partnership

Examples: renewable energy action

Action		Examples	Link
Collective tendering	Facilitate large energy users collectively tendering and purchasing renewable energy at a low cost.	The Melbourne Renewable Energy Project involves bringing together a number of large energy users to collectively tender for renewable energy.	http://www.melbourne.vic.gov.au/business/sustainable-business/Pages/melbourne-renewable-energy-project.aspx
Powering electric vehicles with renewable energy	Electrify transport systems such as council buses and fleet vehicles and power these by 100% renewable energy.	Adelaide, SA solar-powered "Tindo" bus. Moreland City Council in Victoria is integrating electric cars into council's fleet	http://www.adelaidecitycouncil.com/assets/acc/Environment/energy/docs/tindo_fact_sheet.pdf http://www.moreland.vic.gov.au/parking-roads/transport/electric-vehicles/
Lobby to address barriers	Lobby electricity providers and state government to address barriers to renewable energy take up at the local level (whether these be planning, technical, economic or policy related).	Victorian councils called for planning protection to prevent solar panels from overshadowing.	http://www.heraldsun.com.au/leader/east/calls-for-statewide-protection-of-solar-panels-from-overshadowing-from-multi-storey-development/news-story/4f28125a5d0db4dc22c7200aed4e8736

Examples: energy efficiency actions

Action		Examples	Link
Promote energy efficiency – both at the residential, commercial and larger scale	Hire an internal energy efficiency support officer or establish an independent body.	Examples include: Moreland Energy Foundation, Victoria. Yarra Energy Foundation, Victoria.	http://www.mefl.com.au/ http://www.yef.org.au/
	Encourage local businesses, community facilities and residents to take up energy efficiency measures by providing incentives (such as grants, solar bulk buy schemes or flexible payment options).	Adelaide City Council in SA has a Sustainability Incentives Scheme for local residents.	http://www.adelaidecitycouncil.com/your-council/funding/sustainable-city-incentives-scheme/
Energy efficiency in council operations	Adopt best practice energy efficiency in council buildings.	City of Gosnell's community facility incorporated environmentally sustainable design. City of Wollongong updated an ageing building to achieve a 5 Star Green Star rating.	http://new.gbca.org.au/showcase/projects/mills-park-community-facility/ http://new.gbca.org.au/showcase/projects/wollongong-city-council-administration-building/

Action		Examples	Link
	Public lighting can use a large proportion of a city's energy budget – roll out energy efficient lighting (particularly street lighting) across the municipality.	Victor Harbour, SA Hybrid (wind and solar) street lighting with battery storage, and potential to power gophers, solar bollards.	https://www.victor.sa.gov.au/solar

Examples: sustainable transport actions

Action		Examples	Link
Promote sustainable transport options in the community	Provide fast-charging infrastructure (powered by 100% renewable energy) throughout the city at key locations for electric vehicles.	City of Moreland has installed a network of public electric car charging stations.	http://www.moreland.vic.gov.au/parking-roads/transport/electric-vehicles/
Promote sustainable transport options within council	Ensure Council fleet purchases meet strict greenhouse gas emissions requirements and support the uptake of electric vehicles (powered by renewable energy).	Manningham's Climate 2020 action plan targets 100% of fleet cars to be green electric vehicles by 2020.	http://www.manningham.vic.gov.au/climate-and-energy
	Provide fast-charging infrastructure throughout the city at key locations for electric vehicles.	Cockburn, WA 100% solar powered electric vehicle charging stations.	www.cockburn.wa.gov.au/council_services/environment/renewable_energy/
	Provide for adequate cycle lanes (both space and connectivity) in road design and supporting cyclists through providing parking, and end-of-ride facilities (covered, secure bike storage, showers, bicycle maintenance and incentives).	Melbourne City Council has a detailed bicycle plan outlining a number of actions to increase cycling's mode share.	http://www.melbourne.vic.gov.au/SiteCollectionDocuments/city-of-melbourne-bicycle-plan-2016-2020.pdf

References

- Alinta Energy (2014) Port Augusta Solar Thermal Generation Feasibility Study Stage 1 – Pre-feasibility Study Options Study Report. Accessed at <https://alintaenergy.com.au/Alinta/media/Documents/2263503A-POW-RPT-001-RevD-Options-Study-Report.pdf>
- Bathurst Regional Council (2016) Solar Power on Council Buildings. Accessed at <https://www.bathurst.nsw.gov.au/environment/energy-sustainability/solar-power-on-council-buildings.html>
- City of Adelaide (2014) Tindo – The World’s First Solar Electric Bus. Accessed at http://www.cityofadelaide.com.au/assets/acc/Environment/energy/docs/tindo_fact_sheet.pdf
- City of Adelaide (2017) Sustainability Incentives Scheme. Accessed at <http://www.cityofadelaide.com.au/your-council/funding/sustainable-city-incentives-scheme/>
- City of Greater Geelong (2016) Sustainable Council Buildings. Accessed at <http://www.geelongaustralia.com.au/environment/article/item/8ce78d636c74b86.aspx>
- City of Moonee Valley (2017) Solar Bulk Buy. Accessed at <http://www.mvcc.vic.gov.au/for-residents/environment-programs/my-home/solar-bulk-buy.aspx>
- Cockburn (2017) Renewable Energy in Cockburn. Accessed at http://www.cockburn.wa.gov.au/Council_Services/Environment/Renewable_Energy/
- Energy Matters (2014) Solar Saver Program. Accessed at <http://www.energymatters.com.au/images/news/2014/solar-saver-bulkbuy.pdf>
- Farming the Sun (2017) Solar Farm Business Model. Accessed at <http://farmingthesun.net/lismore/business-model/>
- IEA (2016) Energy Technology Perspectives 2016. Towards Sustainable Urban Energy Systems. Accessed at https://www.iea.org/publications/freepublications/publication/EnergyTechnologyPerspectives2016_ExecutiveSummary_EnglishVersion.pdf
- Inner West Council – Leichhardt (2016) Council Solar Panels. Accessed at <http://www.leichhardt.nsw.gov.au/Environment--Sustainability/Projects-and-Programs/Council-Solar-Panels>
- IPWEA (2016) Case study: North Sydney Council electric bike fleet. Accessed at <http://www.ipwea.org/victoria/communities/communityblogs/blogviewer?BlogKey=ad5a330e-17df-4eec-a55b-a4a7b25c98ac>
- IRENA (2016) Renewable Energy in Cities. Accessed at http://www.irena.org/DocumentDownloads/Publications/IRENA_Renewable_Energy_in_Cities_2016.pdf
- Jay Weatherill (2016) ZEN Energy to install \$1m battery storage on Government-owned buildings. Accessed at <http://www.premier.sa.gov.au/index.php/tom-koutsantonis-news-releases/896-zen-energy-to-install-1m-battery-storage-on-government-owned-buildings>
- KMH Environmental (2014) Project: Bathurst Regional Council Energy Audits. Accessed at <http://www.kmh.com.au/projects/bathurst-energy-audits/>
- Moreland City Council (2017) Electric vehicles. Accessed at <http://www.moreland.vic.gov.au/parking-roads/transport/electric-vehicles/>
- Wangaratta Chronicle (2016) \$40M farm a goer. Accessed at <http://wangerattachronicle.com.au/2016/11/23/40m-farm-a-goer/>

Cities Power Partnership

cpp@climatecouncil.org.au
citiespowerpartnership.org.au

© 2017 Climate Council