



Reference: AF12/377 SM

29 September 2015

MEMBERS

NOTICE is hereby given that the Environmental Sustainability Sub-Committee will meet in the following Meeting Room on the day, date and time as follows:

Environmental Sustainability Sub-Committee
(Conference Room - Level 1):

Tuesday, 6th October 2015 at 7:30 a.m.

An agenda for the meeting is enclosed herewith.

Mark McSHANE
CHIEF EXECUTIVE OFFICER

ENVIRONMENTAL SUSTAINABILITY SUB-COMMITTEE
Meeting to be held on Tuesday, 6th October 2015 at 7.30 a.m.

AGENDA

1. ENVIRONMENTAL MANAGEMENT - Project Management - Solar Systems at Council Facilities - Ref. AF11/407
2. ECONOMIC DEVELOPMENT - Project Management - City Development Framework Project - Natural Step Follow Up Session - Ref. AF13/125
3. ENVIRONMENTAL MANAGEMENT - Environmental Sustainability Sub-Committee - Reports for Information - Ref. AF12/377

ENVIRONMENTAL SUSTAINABILITY SUB-COMMITTEE

Meeting to be held in the Conference Room, Operational Services Area, Level One of Civic Centre,
10 Watson Terrace, Mount Gambier, on Tuesday 6th October 2015 at 7:30 a.m.

AGENDA

PRESENT: Cr P Richardson (Presiding Member)
Crs D Mutton, I Von Stanke and S Mezinec

COUNCIL OFFICERS: Daryl Sexton, Director - Operational Services
Aaron Izzard, Environmental Sustainability Officer
Carmel Ron, Environmental Sustainability Officer
Sarah Moretti, Administration Officer - Operational Services

APOLOGIES: moved the apology received from be accepted.
seconded

COUNCIL MEMBERS

AS OBSERVERS:

WE ACKNOWLEDGE THE BOANDIK PEOPLES AS THE TRADITIONAL CUSTODIANS OF THE LAND WHERE WE MEET TODAY. WE RESPECT THEIR SPIRITUAL RELATIONSHIP WITH THE LAND AND RECOGNISE THE DEEP FEELINGS OF ATTACHMENT OUR INDIGENOUS PEOPLES HAVE WITH THIS LAND.

MINUTES: moved that the minutes of the previous meeting held on Tuesday, 1st September 2015 be taken as read and confirmed.

seconded

QUESTIONS: (a) With Notice - nil submitted.
(b) Without Notice -

1. ENVIRONMENTAL MANAGEMENT - Project Management - Solar Systems at Council Facilities - Ref. AF11/407

Goal: Environment

Strategic Objective: (i) Systematically build Council as an environmentally sustainable organisation

The Environmental Sustainability Officer reported:

(a) Following on from the Renewable Energy Options Investigation conducted in 2014, and the successful installation of a solar system on the roof of the Library, at the Council meeting on 17 March 2015 Council resolved to undertake an assessment of Council's other major facilities for their suitability for solar power. This was undertaken by Quark Consulting in June 2015;

(b) Quark's investigation resulted in recommendations for the following Council sites:

	System Size	GHG Savings	Total Capital Cost	Electricity Savings	Pay Back
	kw	T CO2 / pa			Years
Carinya Gardens Cemetery	10.4	9.06	\$12,475	\$2,516	4.2
Waste Transfer Station	5.2	4.00	\$7,941	\$1,421	4.8
Council Works Depot	29.9	33.95	\$33,032	\$8,096	3.5
Aquatic Centre	67.34	38.80	\$83,008	\$12,104	5.8
Civic Centre	87.62	66.14	\$112,635	?	?
Total	200.46	151.95	\$249,091	\$24,137	4.6
					Average

Environmental Sustainability Sub-Committee Agenda for 6th October 2015 Cont'd...

- (c) installing a solar system on each of the first four sites would be relatively straight forward, however, the Civic Centre is more complex. The Civic Centre is shared between the City of Mount Gambier and Country Arts SA. It would not make sense for both organisations to each install a solar power system in isolation of each other. The potential size of the system is also quite large, which may present issues in terms of connecting to the electricity grid. Given this, installing a solar system on the Civic Centre would involve much more background work than the other sites. Also, due to the nature of the current electricity contract it is not possible to ascertain exactly what impact installing a solar system would have on the current electricity costs. However, in simple terms the requirement for electricity in the peak period would be reduced to an estimated 60% of the previous requirement whilst the Off-Peak requirement would be reduced to approximately 84%;
- (d) with regards to the other sites it is recommended that Council engage Quark Consulting to undertake project management of the installation of the first three solar systems – Carinya Gardens, Waste Transfer Centre, and Council Works Depot. Under this model Quark would coordinate the project, include securing the equipment as part of the process, though Council would pay for the equipment directly (this may involve a subsequent tender for the equipment only, coordinated by the project manager). The advantage of this approach is that Quark will not put a margin on the equipment, thus saving costs. Also, given that virtually all solar system equipment is imported, when solar companies put in a price for a tender they must take into consideration possible import price fluctuations to cover themselves. If the price is lower at the time they purchase the equipment they pocket the difference. With project management, Council would realise these savings instead of the tenderer. This option would maximise potential and could result in savings to Council in the order of 23% of the total cost (in the order of \$27,000). Council have built a rapport with Quark Consulting commencing with an independent review of the Library solar tenders. Quark have built up detailed knowledge of Council sites and processes;
- (e) in terms of financing the solar systems, the Waste Transfer Centre and Council Works Depot can be funded out of the \$50,000 allocated in the 2015-2016 budget for energy efficiency and renewable energy. It is recommended that the Carinya Gardens solar system be financed from capital reserves held by the Mount Gambier Cemetery Trust, though ultimately this is a decision for the Trust;
- (f) the Aquatic Centre solar system is not able to be funded at this point in time, as it is not currently budgeted for in the 2015-2016 financial year;
- (g) it is recommended to install the three smaller systems as soon as possible, so they are fully functional for the 2015-2016 summer.

moved it be recommended:

- (a) The report be received;
- (b) Council engage Quark Consulting to undertake project management of two solar systems – Waste Transfer Centre, and Council Works Depot, for an expected cost of \$5,600;
- (c) Council authorise the Director Operational Services to work with Quark in procuring the capital equipment required for the two solar systems, for an expected cost of \$40,973;
- (d) Council refer the Carinya Gardens solar system, and associated project management, to the Mount Gambier Cemetery Trust to consider funding from capital reserves held by the Trust, at an expected total cost of \$13,875.

Environmental Sustainability Sub-Committee Agenda for 6th October 2015 Cont'd...

seconded

2. ECONOMIC DEVELOPMENT - Project Management - City Development Framework Project - Natural Step Follow Up Session - Ref. AF13/125

Goal: Building Communities

Strategic Objective: (i) Strive for an increase in services and facilities to ensure the community has equitable access and that the identified needs of the community are met

The Environmental Sustainability Officer reported:

(a) At the council meeting held on 21 April 2015 Council passed the following resolution:

“Council invite Dr Steb Fisher to a half day workshop for all Council Members and appropriate staff to revisit the Natural Step Framework and provide a general overview of the framework to Council Members and staff.”;

(b) this workshop occurred on the 30th of June 2015, and was well received by those members and staff who attended. Dr Steb Fisher gave a summary of the Natural Step Framework and how it can be applied at the Council level, as well as a thought-provoking summary of some of the major environmental issues facing us today;

(c) following on from this workshop, Council passed the following resolution at the 21 July 2015 Council meeting:

“Council provide a further seminar with Dr Steb Fisher for a day session on the Natural Step Framework. Council extend an invitation to District Council of Grant to attend.”;

(d) the purpose of this follow up session was to explore the Natural Step in greater detail, and workshop concrete ideas on how the City of Mount Gambier can further implement it;

(e) in consultation with elected members the date set for the workshop was Wednesday the 28th of October 2015. Councillors were asked to RSVP to ensure sufficient numbers could attend. In response three members confirmed their attendance, and two indicated they were unavailable due to prior commitments. As a result the session could not proceed.

moved it be recommended:

(a) The report be received;

seconded

3. ENVIRONMENTAL MANAGEMENT - Environmental Sustainability Sub-Committee - Reports for Information - Ref. AF12/377

The Environmental Sustainability Officer reported:

(a) Environmental Sustainability Program 2015 - Project Progress

The current table outlining projects for 2015 is attached to the agenda for Members information.

moved it be recommended:

(a) The report be received;

Environmental Sustainability Sub-Committee Agenda for 6th October 2015 Cont'd...

(b) item (a) as above be received and noted for information.

seconded

MOTIONS WITHOUT NOTICE

The meeting closed at _____ a.m.

29 September 2015
AF12/377
SM

Environmental Sustainability Program 2015 – Project Progress

Updated: 6th October 2015

Project	Summary	Progress Notes
Salvage Yard	Investigate opportunities for re-establishing a salvage yard in Eucalypt Drive.	EOI was released on Friday 21 August 2015. It closed on Friday 2 October 2015.
Caroline Landfill Audit	Audit the trucks depositing waste to the landfill to identify opportunities to reduce the amount of recyclables and organics that are being deposited.	Contractors have been contacted to let them know the results of the audit and to find a way forward to reduce contamination.
Organics Next Steps	Investigate opportunities for reducing the amount of organic waste being put in Council's kerbside rubbish bins.	At the March 2015 Council meeting Council approved the release of 2,000 kitchen caddies with bio-bags to organics bin subscribers in the 2015-2016 financial year. Bulk buy opportunities for compost bins and worm farms are also being investigated.
Library Solar Power System	Installation of a 57kW solar system on the roof of the Library, to supply 25-30% of the Library's electricity needs.	The system is now switched on and fully functional. The display inside the library will be switched on in the near future.
Blue Lake Solar Lighting	Involves the installation of solar lights around the footpath around the Blue Lake.	Installation of the lights is now complete. All lights are now operating as designed.
Park & Stride Mount Gambier	The aim of this 12 month project is to encourage community members who come to central Mount Gambier to shop, to park in an off-street car park and walk to shop, rather than drive from shop to shop.	The program has been launched. So far there have been over 650 Facebook page likes, 150 Surveys completed, over 150 people make the public commitment, and thousands of Facebook 'Post Reach'. A variety of prizes have been given including shop vouchers and P&S eftpos cards.
Bin Tagging	This involves checking the contents of waste and recycling bins from 150 properties, and give specific feedback about what goes in which bins.	All four runs completed. Recycling bin contamination reduced 41%, and waste bins by 47%. The program will be undertaken again in Spring 2015.
Efficient Homes Project	This project involves installing temperature loggers in houses constructed of a variety of materials – rammed earth, modern eclectic, modern brick veneer and limestone – and leaving them in situ for 12 months.	Final report has been prepared and has been placed on Council's website. Loggers have been installed in three new homes for 2015-2016. The final set of loggers will be installed in the fourth home in early October.
Aquatic Centre Energy Audit	An audit of the electricity use of the Mount Gambier Aquatic Centre. It is anticipated that the auditors will make recommendations for improving the efficiency of the facility, leading to long term reductions in electricity costs.	Follow up investigations are currently being undertaken.
2015 KESAB Awards	Nominate City of Mount Gambier for numerous categories within the KESAB awards.	2015 submission has been submitted. Judging took place on the 22 nd of September. The awards ceremony will be held on the 13 th of November in Adelaide.
Resource Efficiency Review	Review of Council operations to identify what level of resources are currently being used, and identify opportunities for increased efficiency.	Some initial data received from Finance and suppliers. Analysis of data will commence in the near future as the ESO work program allows.
Fruit Tree EOI	Involved working with residents to put a small number of fruit trees in their local reserve.	In conjunction with local residents 6 fruit trees were planted in the Limestone Court reserve on Thursday 2 July 2015. The 2015-2016 EOI will be released in the first half of 2016.

Carbon Reporting	Measure and report on Council's carbon emissions for the 2014-2015 financial year. Assess if Council triggers any carbon and/or climate change legislation.	The 2014-2015 report is currently being written.
Mount Gambier: Edible City	Run a series of workshops on home food production, from beginner to more advanced topics.	Webpage is live. Workshops are being organised. Workshops were held over the weekend of 18-20 September, they were well attended and received.
Smaller Projects	<ul style="list-style-type: none"> - Smart Living profiles. - Talks at schools and community groups on environment and sustainability topics. 	<ul style="list-style-type: none"> - Five Smart Living profiles have been completed. - Talks undertaken on an ongoing basis upon request. Numerous radio interviews have been undertaken. A talk was delivered at Tenison College.
Environmental Events	<ul style="list-style-type: none"> - Clean Up Australia Day - Earth Hour - Ride to Work Day - Walk to Work Day 	<ul style="list-style-type: none"> - Completed. - Completed. - Wednesday 14th October. - Friday 8 November.