

**TOWN OF BASSENDEAN
LIVEABLE TOWN ADVISORY COMMITTEE
RENEWABLE ENERGY WORKING GROUP MEETING
COMMITTEE ROOM, 48 OLD PERTH ROAD, BASSENDEAN
WEDNESDAY 15 MARCH 2017 at 4.15PM**

Meeting Notes

1.0 DECLARATION OF OPENING

DOS welcomed everyone to the second meeting of the Renewable Energy Working Group.

2.0 ATTENDANCES, APOLOGIES

Working Group Members

Susan Reader
Kathryn Hamilton
Caroline Eaton

Officers

Manager Development Services - Brian Reed
Senior Environmental Officer - Jeremy Walker
Director Operational Services - Simon Stewart-Dawkins

Apology

Melissa Mykytiuk
Tim McLennan
Cr Renee McLennan
Kylie White
Kylie Turner
Tamsin Woodward

Resignation

Angie Piantadosi

3.0 ACCEPTANCE OF MEETING NOTES

That the meeting notes of the Renewable Energy Working Group held 3 November 2016, be accepted.

The Meeting notes of the Renewable Energy Working Group held 3 November 2016 were accepted.

4.0 DECLARATIONS OF INTEREST

Nil

5.0 BUSINESS DEFERRED FROM PREVIOUS MEETING

5.1 Review the current uptake of renewable energy in the Town of Bassendean

The Renewable Energy Working Group's Terms of Reference outlined seven actions under the heading "Purpose (task and aims/outcomes)" with one of these being:

Review the current uptake of renewable energy in the Town of Bassendean

At the November 2016 working group meeting, information was tabled for consideration, concerning the following:

- Department of Transport's Living Smart Households Program Evaluation for Perth Eastern Suburbs;
- Solar Cities programme
- Home Energy Audit kits
- Town of Bassendean's carbon reduction program

At the last meeting the Senior Environmental Officer was tasked with obtaining the solar energy uptake data for the suburbs of Bassendean, Ashfield and Eden Hill.

Renewable Energy Uptake within Town Of Bassendean:

Town's Officers have reviewed Australian PV Institute website <http://pv-map.apvi.org.au/historical#12/-31.9198/115.9288>. The website indicates that approximately 20.8% of dwellings within the Town have installed Solar PV, with average capacity estimated at 3287kW.

The following table is the dataset available from Clean Energy Regulator website for Town of Bassendean Postcode.

postcode	installs	dwellings	capacity	capunder10	cap10_100	capover100
6054	1645	7791	4514	3814	699	0

www.cleanenergyregulator.gov.au/RET/Forms-and-resources/Postcode-data-for-small-scale-installations

Environmental Officer, Jeremy Walker, provided a report on the solar energy uptake data for the suburbs of Bassendean, Ashfield and Eden Hill, and answered questions on the data:

- Residential only. Commercial does not come under the same banner. The numbers are quite low.
- ToB – we have completed all Town owned and operated buildings (not leased buildings).
- Does not indicate whether individual housing or units.
- Does show there is a high uptake.

- *Not a requirement to put in a building permit for solar installation for residential property. Permit requirement only for commercial solar installation in the Town*

Other points discussed:

- *Point system for better quality development.*
- *Quality of PV cells: if inclusion of PV cells is a requirement of all new development, there should be guidelines on standard of PV cells installed.*
- *ToB energy efficiency policy – 10 points for someone installing a solar hws. Could be changed to PV system as opposed to hws. More energy efficiency.*
- *Point system for variety.*
- *Disparity between high-density development and single house build.*
- *Range of energy production technology*

Outcome

The Group agreed that the information received is a good baseline and a benchmark for future comparisons.

This item will not be listed for further discussion.

5.2 Town of Bassendean – Carbon Reduction Plan

The Renewable Energy Working Group's Terms of Reference outlined seven actions under the heading "Purpose (task and aims/outcomes)" with one of these being:

Review what renewable energy initiatives have been undertaken in the Town to date and evaluate the success of those initiatives.

At the November 2016 working group meeting, information was tabled for consideration, concerning the following:

- The Town's Carbon Reduction Plan. This Plan supports strategic objectives within the Strategic Community Plan, Environmental Management Plan, Local Climate Change Adaptation Action Plan and Carbon Reduction Strategy.
- The Town is currently not obliged to report emissions under the National Greenhouse and Energy Reporting System (NGERS) or any other legislative framework; however the Town has chosen to adopt a best practice approach to carbon management.
- In 2014 the Town of Bassendean set a carbon reduction target to reduce corporate carbon emissions by 7.5% (99.6 tCO₂-e) from 2011/12 emissions

(1,328.0 tCO₂-e) by 2016/17. At this time Australia's commitment to the second period of the Kyoto Protocol, the Australian Government had determined to reduce its greenhouse gas emissions by 5 per cent compared to 2000 levels, by the end of 2020.

- Recently the Australian Government's Department of Environment & Energy has advised that emission target of between 26 and 28 per cent reductions on 2005 levels by 2030.
- Due to the emission target changes, the Town has commenced reviewing the emissions target to identify the cost benefits of additional projects suitable for future budget consideration in order to achieve the increased target levels by 2030.
- To improve the carbon emission data collection and reporting process, the EMRC, on behalf of the Town of Bassendean and other member councils, purchased the "Planet Footprint" software program and Town is currently reviewing its emissions target to identify the cost benefits of additional projects suitable for future budget consideration in order to achieve the increased target levels by 2030.

In regards to the Australian Government's Department of Environment & Energy revised emission target of between 26 and 28 per cent reduction on 2005 levels by 2030, a matching Town of Bassendean Carbon Emission Target has been considered and is discussed on page 3 of the attached report under the title heading "New Carbon Emission Target"

Attachment: 1: Town of Bassendean Emissions Update – March 2017

It should be noted that 2014/2015 is the earliest financial year which the Town has a full inventory of emissions data. Using this base year reduces the time for the Town to achieve a similar Australian Government emissions reduction target.

In order to align with similar percentage reduction targets, the Town is keen to investigate new actions, which can be undertaken to reduce the Town of Bassendean's corporate emissions. Indications are that it is achievable, "if" funding is approved in the annual Council budget to achieve the new Carbon Reduction targets.

Therefore considering the above, staff of the Town and the EMRC are preparing a draft Carbon Reduction Plan which will identify estimated capital costs and recommend actions to reduce corporate emissions by 26-28% on the 2014/2015 levels by 2029/2030

It should be noted, that the Town has already decreased emissions from the 2014/2015 base year. Emissions reduced

by 98.6 tCO₂-e in 2015/2016, which is a decrease of 5.63% from 2014/2015. Therefore, post 2015/2016; the Town would need to reduce emissions by a further 356.4 tCO₂-e, which is 21.67% less than 455 tCO₂-e (26% reduction target).

If the Town continues on the current trend, it is expected that the Town will be able to achieve the target of 26-28% emissions reduction before 2029/2030.

Environmental Officer, Jeremy Walker, provided update on the Town's emissions data up until March 2017, confirmed as per the above report that the Town was in the process of preparing a draft Carbon Reduction Plan and answered questions.

5.3 Other LGA Renewable Energy Policies & Initiatives

The Renewable Energy Working Group's Terms of Reference outlined seven actions under the heading "Purpose (task and aims/outcomes)" with the following being:

Investigate and review renewable energy initiatives across other Australian jurisdictions and identify those which may be applied to the Town of Bassendean to increase renewable energy uptake and reduce the Town's carbon footprint

Develop policy guidelines about the installation and uptake of renewable energy in the Town of Bassendean

Collate and package information on renewable energy that the Town's residents may find valuable

Prior to the first REWG meeting, the Town had conducted a literature review and presented 11 policies and guideline documents to assist community representatives with the above tasks.

Attachment 2: Examples of Policies and Guidelines

Below are some examples of policies and guidelines, which the REWG may wish to consider to when developing draft renewable energy initiatives:

- ACT Government – ACT Sustainable Energy Policy
- City of Joondalup - Local Planning Policy - Small Scale Renewable Energy Systems
- City of Melbourne - Zero-net-emissions
- City of Melville - Sustainable Building

- City of South Perth - Local Planning Policy - Environmentally Sustainable Building Design
- City of Stirling - Local Planning Policy - Renewable Energy Systems
- Shire of Margaret River Local Planning Policy - Renewable Energy System Policy
- Town of Bassendean - Local Planning Policy No.2 – Energy Efficient Design
- Town of Bassendean Policy 2.8 Energy Use
- Town of Bassendean Policy 2.1 - Sustainable Bassendean

At the first REWG meeting, representatives were asked if they were aware of other renewable policies and if so to forward these to the Director Operational Services which could then be distributed to all members for consideration.

The idea of reviewing the literature was to identify any aspects of the above policies or any other renewable energy initiatives, which community representatives liked and wished to be considered as part of a draft Town of Bassendean - Renewable Energy Policy and or guidelines.

At the November 2016 meeting the community members discussed the Council (OCM–15/09/16) adopted Bassendean Strategic Planning Framework 2016-2019 and the indicative Implementation Plan.

During the November 2016 REWG meeting, the Director Strategic Planning advised that as part of the review of the Town's Strategic Planning Framework (SPF) that it is intended to consider the requirement for higher design standards as part of the revision of the Town's local planning policies and formulation of desired local planning policies

In regards to the review of the Local Planning Policies (e.g. Energy Efficient Design & Credit Point Checklist), the Director Strategic Planning has previously advised that these will be amended when all the other local planning policies are reviewed.

At the Ordinary Council Meeting in December 2016, a report was presented concerning the review of the Policy Framework, along with a list of all existing policies that are subject to review. Council (OCM-14/12/16) resolved in part to adopt the revised policy and referred all policies to a Councillors' Workshop to be held in early 2017 for review, and where necessary, amendment.

Considering the Renewable Energy Working Group task to identify renewable energy initiatives, which may be applied to the Town of Bassendean to increase renewable energy

uptake and reduce the Town's carbon footprint, it is timely for the community representative to present their feedback to assist in the development of Renewable Energy Policy and or guidelines

DOS, Simon Stewert-Dawkins asked whether there were aspects in any of the Local Government Renewable Policy initiatives presented at the last meeting, that the community representatives of the Group thought worthy of further consideration for inclusion in the Town's policies.

The Group discussed some features of the policies and initiatives that the Town of Bassendean and other Local Governments had implemented.

The community representatives were invited to provide additional relevant policies to DOS, which would then be distributed to all Group members.

To assist the community representatives to provide their feedback, DOS suggested that he could arrange for a feedback spreadsheet to be created seek community representative feedback on the policy documents presented. Alternatively, community representatives could provide feedback in a format that was suitable to them. DOS suggested that all community representative feedback should be provided two weeks prior to the next REWG meeting. This would allow the Town to collate the feedback and include as an attachment to the May REWG meeting for discussion.

Outcome

Community representatives at the meeting agreed that a feedback spreadsheet would be of assistance to them in providing comment on the policies and that the spreadsheet be distributed with the March 2017 REWG meeting notes.

Community representatives at the meeting agreed to provide their feedback to the Town, 2 weeks in advance of the May 2017 REWG meeting (4 May), so that the Town could collate comments and include in the 18 May 2017 agenda for discussion.

6.0 Proposed future REWG meetings

As today's Renewable Energy Working Group (Renewable Energy Working Group (REWG) meeting has been identified by the majority of participants as a convenient time, it is suggested that the following REWG meetings dates and times be scheduled for the future:

4pm	Thursday	18 May
4pm	Thursday	17 August
4pm	Thursday	9 November

If required, additional meetings can be scheduled, or should these meetings not be required, participants will be advised accordingly.

It was suggested that a morning meeting alternative be included in the forward meeting planning.

7.0 CLOSURE

Meeting closed at 11.30am