

PROGRAM

Workshop

1450

Kelly Wickham

Project Advisor (Organics), Sustainability Victoria

Bill Grant

Director, Blue Environment

Session 1.

Opportunities for organics resource recovery in the Loddon Mallee region.

1520

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Session 2.

Australian Biomass for Bioenergy Assessment (ABBA) project - resources.

Victoria's generation of biomass residues have been modelled for the Australian Biomass for Bioenergy Assessment (ABBA) project.

Funded by the Australian Renewable Energy Agency (ARENA), ABBA is a national project to identify biomass resources for bioenergy across Australia. Sustainability Victoria is engaged to populate data for Victoria.

1550

Afternoon tea break

1610

Close

Acknowledgements

The Loddon Mallee Waste and Resource Recovery Group would like to thank Sustainability Victoria for providing support to the Loddon Mallee Organics Recovery Series. We would also like to thank the presenters for sharing their knowledge with us.

LODDON MALLEE ORGANICS RECOVERY SERIES: HORTICULTURE INDUSTRY

Develop the knowledge and acquire the tools needed to better manage your organic waste and increase its recovery for reprocessing into higher value products.



Wednesday 30 May 2018
from 8.30am to 4.30pm

Swan Hill Club - 5/17 McCallum St, Swan Hill VIC 3585
Includes lunch, morning and afternoon tea

- 0830 Registration, tea and coffee**
- Opening Plenary**
- 0850 Karen Fazzani**
Executive Officer, Loddon Mallee Waste and Resource Recovery Group
Welcome, Opening Address and housekeeping
- 0855 Bill Moar**
Councillor, Swan Hill Rural City Council
Official Welcome
- 0905 Ian Gillingham**
Market Development Manager, Loddon Mallee Waste and Resource Recovery Group
Overview of the Loddon Mallee Waste and Resource Recovery Group and introduction of speakers.
The Loddon Mallee Waste and Resource Recovery Group is a Statutory Authority established under the *Environment Protection Act 1970*. The organisation commenced operating on the 1 August 2014 and focuses on reducing waste to landfill through the use of innovation and sustainable solutions.
- 0915 Bill Grant**
Director, Blue Environment
Keynote Presentation
Presenting the Loddon Mallee Regional Organics Strategy – opportunities for organics recovery.
Loddon Mallee Regional Organics Strategy presentation, detailing organic quantities, organic types, opportunities for adding value to existing organic streams and industry partnerships.
- 0940 Kelly Wickham**
Project Advisor (Organics), Sustainability Victoria
The Victorian Organics Resource Recovery (VORRS) - Integrated strategic directions.
VORRS presentation detailing progress to date and overlap with Loddon Mallee Waste and Resource Recovery Implementation Plan priorities.
- 1000 Martin Jeffries**
Managing Director, Jeffries Group
Jeffries – Creating Value from Organic Resources.
Jeffries is a fourth generation South Australian company focused on receiving, processing and marketing recyclable organic resources. Experienced with working on composting production systems and innovative methods unique to the organics recycling industry.
- 1020 Questions and discussion**
- 1035 Morning tea break**
- Existing Technologies**
- 1050 Bridgette McDougall**
Coordinator Resource Recovery Development, City of Greater Bendigo
Removing organics from Municipal Waste and the City of Greater Bendigo.
Development and introduction of the City of Greater Bendigo municipal organics collection (third bin). The next step is reducing commercial business organics from landfill - currently undertaking a trial.
- 1110 Jackie Yong**
Founder and Managing Director, BioMix
Stanhope BioMix operation.
Established in 2012, Biomix Pty Ltd is a joint venture between Biogrowth Solutions Pty Ltd and Enviromix Pty Ltd. Located in Stanhope on a former feedlot this composting facility uses open windrow and enclosed vessel technology to process up to 100,000 tonnes of organic waste per annum. Sold to farming operations to improve soil moisture retention and long-term land viability.
- 1130 Colin Neate**
Farm Manager, Colbinabbin Estate
Using compost for moisture retention and weed reduction in vineyards.
Colbinabbin Estate was planted in 1998 and owns and operates 156 acres of vines in the Heathcote Geographic Indicator. The vineyard is located 25 km north of the Heathcote township on the Eastern side of the Mt Camel range on deep, ancient Cambrian soil.
- 1145 Declan McDonald**
Senior Soil Scientist / Horticultural Scientist, SESL Australia
How many harvests are left in your soil?
Recent reports from the UK state that there are only 60 harvests remaining before soils are exhausted under current practices. Modelling of soil carbon on Mallee soils suggest the end could be closer for Mallee farmers. Management of the organic fraction of the soil is critical to their survival and on-going productivity. But is this practical on broadacre?
- 1205 Questions and discussion**
- 1220 Lunch Break**
- Emerging Technologies**
- 1300 Jennifer Lauber Patterson**
Managing Director, Frontier Impact Group
Emerging composting technologies for the horticulture industry.
Vertical Farming systems – An emerging option for producing high volume green produce. Organic Fertilizer Pellets and impacts on soil and productivity – potential pilots. Farm IT management systems – Optimising soil health and productivity in an easy way. Bioenergy solutions.
- 1320 Peter Burgess**
Director, Rainbow Bee Eater
Introducing ECHO2: base load, low cost energy and biochar from low value organic residues.
ECHO2 converts local farming, timber, food processing or green wastes into a low cost, clean fuel gas which fuels a gas engine generator and/or a hot water boiler or chiller. High quality biochar is produced as a by-product. The first commercial ECHO2 module is currently being installed for Holla Fresh at Tantanoola near Mt Gambier in South Australia for glasshouse heat, power and CO2.
- 1340 Peter Ross**
General Manager, Select Harvest
Biomass electricity co-generation at Carina West Select Harvest site.
Australia's largest almond growers and the country's leading manufacturer, processor and marketer of nut products, health snacks and muesli to the Australian retail and industrial markets, in addition to exporting almonds globally.
- 1400 Shaun Quayle**
Director, Dragon NRG Pty Ltd
Small scale thermal bioenergy systems
The presentation will outline the benefits of using biomass for heat energy and present case studies for installations at Pyrenees Sawmill and Meredith Dairy which were both installed by Dragon NRG Pty Ltd.
- 1420 Kelly Wickham**
Project Advisor (Organics), Sustainability Victoria
Investment support
Government support for waste and resource recovery infrastructure and where companies and individuals can get assistance.
- 1435 Questions and discussion**