

COLLABORATIONS FOR CHANGE

Global Goals for Tomorrow's Education, Today

19TH ~ 21ST JUNE 2018 KEELE UNIVERSITY



Everybody Needs Good Neighbours

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CarbonCredentials



The Power of Partnerships for Sustainability in Australia



Introductions



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Agenda



- The Australian Context
- UTS - infrastructure partnerships
- RMIT – Melbourne Renewable Energy Partnership
- Teamwork - Exercise 1
- UTS - community partnerships
- RMIT – New Academic Street
- Teamwork - Exercise 2
- Wrap up



The Australian Context

What's the Government got to do with it ?

- 41 universities with ~1.46m students* – adding \$140b to the economy^;
- International student education is Australia's 3rd largest export (iron ore and coal are 1 and 2)
- Universities are state authorities with “funding” from federal level
- “Funding” model is eroding and being capped
- Direction is manipulated through research grants – also eroding
- No clear direction or expectation in sustainability

*Based on 2016 enrolment numbers

^Based on 2014 data



Infrastructure Partnerships

www.sustainability.uts.edu.au



University of Technology Sydney

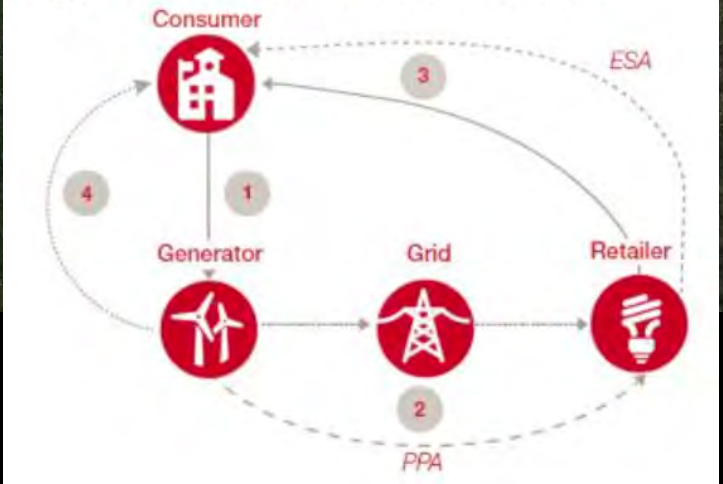




On-site solar



Off-site solar





Central Park, Sydney



Recycled Water Agreement



Chilled Water Agreement



Melbourne Renewable Energy Partnership

Melbourne Renewable Energy Project

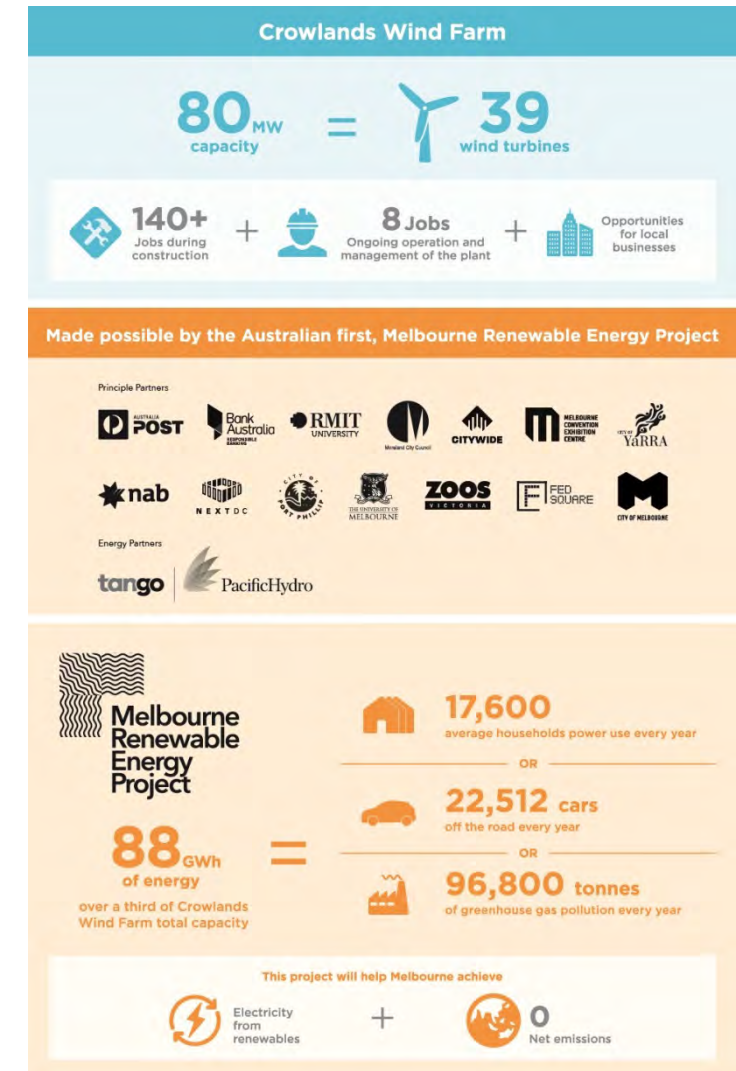
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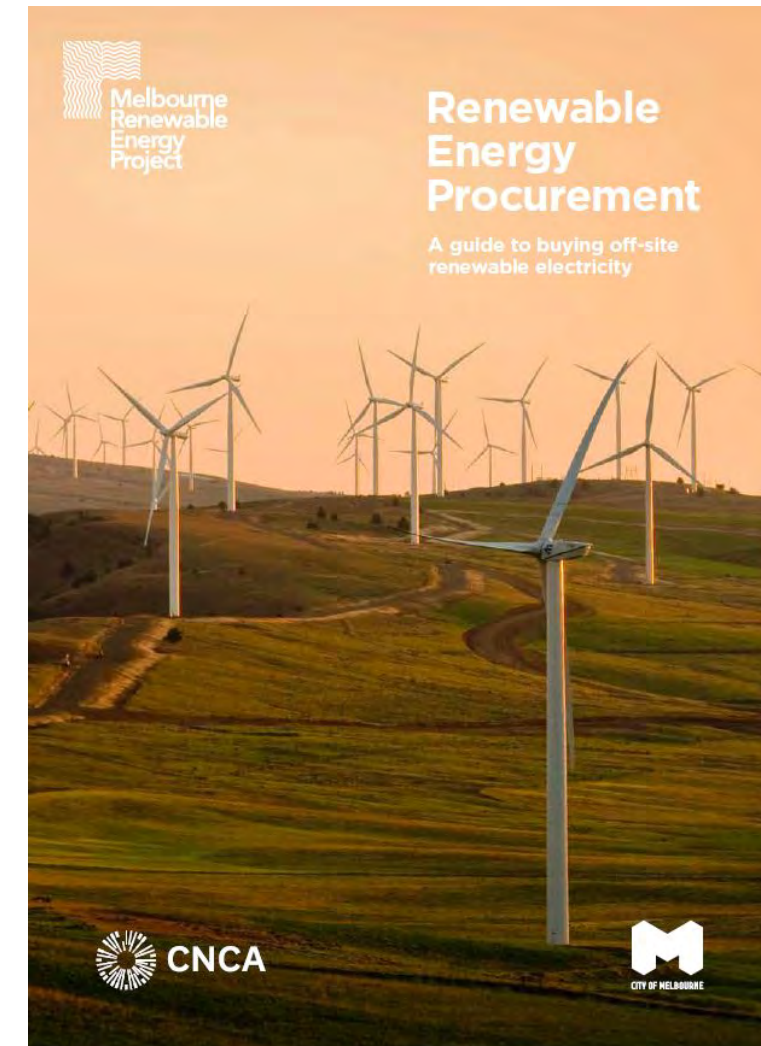
- Context: Lack of Federal Government action on climate change. The City of Melbourne has a clear vision in their Zero Net Emission Strategy to transition to a low carbon future through partnerships. RMIT owns 6% of the Melbourne CBD and therefore has a key role to play in collaborating with the city on emissions reduction.
- The Melbourne Renewable Energy Project is an Australian first, bringing together a group of local governments, cultural institutions, universities and corporations collectively purchasing renewable energy from a newly built facility.
- Led by the City of Melbourne, the purchasing group include RMIT University, University of Melbourne, Australia Post, National Australia Bank, NEXTDC, Zoos Victoria, the City of Port Phillip, Moreland City Council, the City of Yarra, Citywide, Melbourne Convention & Exhibition Centre and Bank Australia.





Melbourne Renewable Energy Project

- The project has supported the construction of a new wind farm at Crowlands, a small agricultural community about 2.5 hours north east of Melbourne by car. The 39-turbine 80 MW capacity wind farm in regional Victoria is owned and operated by Melbourne-based clean energy company Pacific Hydro. The power will be supplied by its retail arm, Tango Energy
- The wind farm is supporting over 140 jobs in the construction phase and 8 ongoing jobs in the operation of the facility.
- The project also provides a blueprint that can be used to drive joint investment in any kind of renewable energy by organisations all over the world. The City of Melbourne's 'Guide to Renewable Energy Procurement' provides case studies and tips drawn from the experience of the Melbourne Renewable Energy Project group and other similar projects.



Teamwork

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Exercise 1





Infrastructure Partnerships

Share with your table :

- Any examples of infrastructure partnerships that you have undertaken or have planned
- What worked ?
- What didn't ?
- What lessons were learned ?

Then...share with the room :

- Top 2 lessons learned



Community Partnerships

www.sustainability.uts.edu.au





BETTER
BUILDINGS
PARTNERSHIP

ANNUAL REPORT

FY2017

betterbuildingspartnership.com.au



The year ahead **big 5 commitments** FY18

1	2	3	4	5
DEMONSTRATE EXEMPLAR PATHWAYS TO NET ZERO	SCALE OPERATIONAL WASTE EXCELLENCE	TOWARDS 80% DEFIT RECOVERY	ENGAGE TENANTS AROUND NET ZERO	DRIVING DATA INSIGHTS FOR PERFORMANCE
Members implement asset level pathway tool and develop integrated renewable generation	Work with NABERS to support uptake of waste tool and embed guidance and ISCA certified on an industry standard	Demonstrate viable new market for future waste	Members engage tenants and occupant communities to create market demand for net zero	Members explore insights from approved audit tool

Annual results **key figures**



City of Sydney Council
Better Buildings Partnership

THINK_x
SUSTAINABILITY

 2ser
107.3

2SER Think: Sustainability Radio Program & Podcast



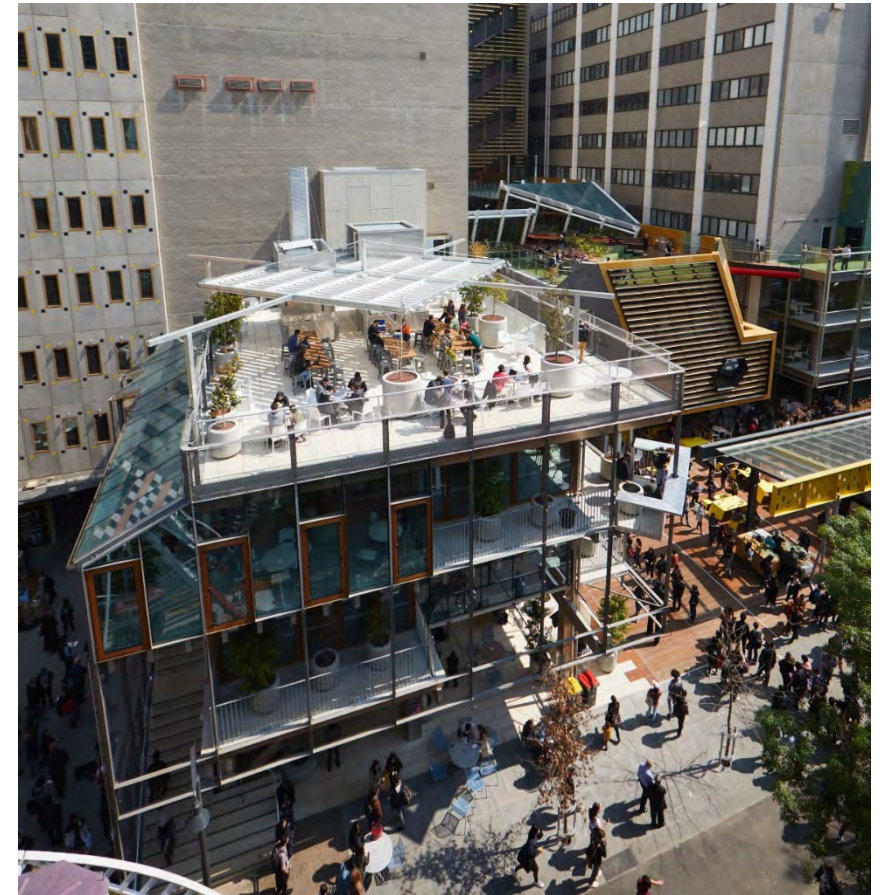


New Academic Street



RMIT New Academic Street Project

- As part of RMIT's ongoing investment to transform the student experience, over \$200M (AUD) was spent to refurbish seven older City campus buildings to create a new student hub. In keeping with Melbourne's laneway culture, the 'New Academic Street' (NAS) project has integrated new arcades and laneways to open up large sections of the existing façade to natural light and ventilation.
- Embracing the concept of 'Adaptive Reuse,' existing concrete-encased steel buildings have been stripped back, with floor plates repurposed to meet the needs of current and future students. Aiming for a 5 star Green Star rating sustainability initiatives include thermal heat recovery, mix-mode ventilated spaces, water capture and stormwater management, low impact materials, new open-air garden roof terraces and the creation of a new four-storey cross laminate timber 'Garden Building'.



What are you looking for?



A Construction Site Becomes an Exhibition

What do you do with an ugly work site?
Let artists loose in there. Published on 24th August 2016
by MEG CRAWFORD





Teamwork

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Exercise 2



Community Partnerships

Share with your table :

- Any current or future projects that you would like to undertake with neighbours.
- What opportunities are there ?
- What are the potential barriers ?
- What are the expected benefits for both parties ?

Then...share with the room :

- Top 2 ideas

Wrap Up



- Lack of federal government leadership has inspired innovation & partnerships in the University sector
- Partnerships can overcome barriers, reduce costs, improve efficiencies & avoid duplication
- Ensure that University partnerships are holistic & encompass operations, engagement, teaching / learning / research
- Partnerships can lead to unexpected benefits

Questions ?



Thank you

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RMIT
UNIVERSITY



MACQUARIE
University



The SDG Accord

The University and College Sector's Collective Response to the Global Goals



End extreme poverty, inequality and climate change

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