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City of Melbourne

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National Awards for Local Government

Melbourne Renewable Energy Project
MREP context

- City of Melbourne target to ultimately de-carbonise the electricity supply
  - The City of Melbourne has no direct control or electricity supply & only controls about 1% of the city’s electricity demand
  - Coal dominated Victorian grid
  - National policy uncertainty; RE subject of heated political debate
  - Price premium for Green Power
  - Limit to opportunity for rooftop solar within the city

- Development of a group tender process for a new renewable energy facility
  - Financial criteria (cost effective way to buy renewable energy)
  - Significant social, economic and environmental criteria.
14 Partners
Corporate drivers for purchasing renewable energy

Corporate vision and strategy aligned with a sustainable approach to business

Co-benefits
- Job creation
- Improved health and wellbeing
- Biodiversity
- Education and training
- Social inclusion

Corporate acknowledgement and intended response to climate change

RENEWABLE ENERGY

Risk management
- Long term stable power costs – a hedge against volatility
- Reduced exposure to rising energy costs
- Reduced exposure to environmental charges

Competition pressure - market and brand differentiation

Carbon neutrality commitment

Renewable energy commitment

Customer and stakeholder influence and demand / customer retention strategy
Crowlands Wind Farm

80 MW capacity = 39 wind turbines

140+ Jobs during construction + 8 Jobs Ongoing operation and management of the plant + Opportunities for local businesses

Melbourne Renewable Energy Project

88 GWh of energy over a third of Crowlands Wind Farm total capacity

17,600 average households power use every year

OR

22,512 cars off the road every year

OR

96,800 tonnes of greenhouse gas pollution every year

This project will help Melbourne achieve

Electricity from renewables + 0 Net emissions
The role of Cities

- Customers
- Vision setters
- Knowledge Brokers
- Aggregators
- Influencers
  - Utilities
  - State/Provincial Governments
  - Universities
  - Industry, others?
Indicative consumption needs by type of organisation

- Data centres
- Large retail chains
- Large corporates
- Multinationals
- Universities
- Major insurance and financial institutions
- stadiums, convention centres
- Regional water board
- Local Governments
- CBD Office

Indicative Size - GWh/year

1-5  5-20  20-50  50-100  100+
Questions?