

# CarbonetiX Pty Ltd

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GREENER  
GOVERNMENT  
BUILDINGS

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**Organisational Overview** CarbonetiX Pty Ltd

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**Company Details**

<b>Company Name</b>	CarbonetiX Pty Ltd
<b>ABN</b>	88 104 827 536
<b>Primary Address in Victorian Government</b>	Level 1, 807 Warrigal Road, Oakleigh, VIC 3166
<b>Telephone</b>	1300 311 763
<b>Website</b>	<a href="http://www.carbonetix.com.au">www.carbonetix.com.au</a>

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**Key Contact 1**

<b>Name</b>	Randall Vavra
<b>Position</b>	General Manager
<b>Phone</b>	1300 311 763
<b>Mobile</b>	0488 016 718
<b>E-mail</b>	randall.v@carbonetix.com.au

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**Key Contact 2**

<b>Name</b>	Rick Hudepohl
<b>Position</b>	Senior Sales Engineer
<b>Phone</b>	1300 311 763
<b>Mobile</b>	0429 416 182
<b>E-mail</b>	rick.h@carbonetix.com.au

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**Financial Details**

<b>Minimum Contract Size</b>	\$50,000.00
<b>Maximum Contract Size</b>	\$10,000,000.00
<b>Public Liability Insurance</b>	\$20,000,000.00
<b>Professional Indemnity Insurance</b>	\$5,000,000.00

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**Accreditations** Member of the Energy Efficiency Council and NECA Technology Partner

CarbonetiX employs staff with the following accreditation:

NABERS: Offices, Hotels, Shopping Centres  
BEEC: Building Energy Efficiency Certificates (Offices)  
NGERS: Certified Energy and Greenhouse Auditor  
CEES: Certified Energy Efficiency Specialist  
CMVP: Certified Measurement and Verification Professional  
AIRAH: Accredited Commercial Energy Auditor  
CEM: Certified Energy Manager

Clear project management procedures, with one engineer appointed project manager and providing continuity from scoping through to implementation and M&V.

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**Core Competencies** Identification of energy savings measures  
Project management of energy efficiency upgrades  
Measurement and monitoring of energy and water consumption and savings  
CarbonetiX has real world experience in HVAC upgrades, controls upgrades, lighting upgrades, sub-metering and monitoring, cogeneration, solar PV and water. We walk the talk with our office consuming just 33 kWh/m<sup>2</sup>/year, around one quarter of the consumption of most offices of the same size.

**Service Limitations** A savings guarantee can be offered at sites consuming as little as \$30,000.00 annually. At present we are not prepared to take on projects larger than \$10 million.

## Previous & Current EPC Experience

Customer	GWM Water	Description
Project Cost	~ \$1.2 m	CarbonetiX analysed and assessed the operation of 10 GWM Water sites and made recommendations for the implementation of cost-effective engineering solutions to reduce utility consumption and costs. The project involved developing a thorough understanding of the key functions and inter-dependency between pumping stations, pipeline infrastructure and the overall management along with control of the water management network. The implementation of efficiency measures and solar PV generation resulted in significant long term carbon and financial savings.
Annual Savings	~ \$113k	
Payback Period (yrs)	~ 10	
Date Completed	2015	

Customer	Westernport Secondary College	Description
Project Cost	<\$100K	Hannah Lewis, Assistant Principal at Western Port Secondary College, believes in getting the job done - and she has. Working with CarbonetiX, the school's energy reduction has been nothing short of astounding. Hannah is delighted with the results of working with CarbonetiX, especially since becoming the 2008 joint winner of the Resource Smart School of the Year Award for their efforts. CarbonetiX conducted energy audits and project managed the energy efficiency works. They then assisted the school in tracking their energy, water and waste with the School Environment Tracking System (SETS) - a tracking devise and learning tool aimed at students, and Solar SETS - a real time solar energy generation monitoring system. The school has focused on educating and involving the staff and students in a variety of ways on the critical importance of a sustainable approach "SETS has been a powerful teaching and learning tool for measuring progress and reducing our emissions." - Hannah Lewis
Annual Savings	31% drop in electricity consumption, 39% drop in maximum demand	
Payback Period (yrs)	< 4	
Date Completed	2005, 2008	

Customer	Darebin City Council	Description
Project Cost	~ \$500k	Darebin City Council wanted to engage and involve their staff more, particularly Facility Managers, and ensure that systems were well understood and maintained by staff. Achieving actual, ongoing energy and greenhouse gas reductions was a key metric. Impressed from the first presentation, Darebin City Council formed a working partnership with CarbonetiX, "embedding" an engineer at the council buildings a set number of days each month. Through this partnership, significant results were realised with HVAC optimisation, lighting changes and implementation of other energy efficiency works. Michelle Bennett says: "CarbonetiX are playing a key role in the implementation of Darebin's Climate Change Action Plan and I look forward to an ongoing partnership that results in continuing significant greenhouse gas reductions, excellent energy management and operational cost savings for Council."
Annual Savings	Across 11 buildings a 12% overall reduction in energy consumption achieved, despite a major expansion to the largest energy using site	
Payback Period (yrs)	< 5	
Date Completed	207	

## Referees

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Dean Robinson

**Title:** Environmental Officer  
**Organisation:** GWM Water  
**Relationship:** Client since 2009  
**Phone:** 03 5381 9823

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Hannah Lewis

**Title:** Assistant Principal  
**Organisation:** Westernport Secondary College  
**Relationship:** Client since 2004  
**Phone:** 03 5979 1577

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Michelle Bennett

**Title:** Environment Strategy Coordinator  
**Organisation:** Darebin City Council  
**Relationship:** Client since 2007  
**Phone:** 03 8470 8535

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