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## Organisational Overview

Ecosave is a leading global independent Energy Services Company (ESCO), and has over 15 years' experience designing and implementing more than 600 Performance Based Energy and Water Efficiency Projects for 500 organizations across more than 3,000 sites throughout Australia, New Zealand and the USA.

Founded in Sydney in 2002, Ecosave continues to grow and now employs 70 specialists and support staff across offices in Sydney, Melbourne, Adelaide, Wellington NZ and Philadelphia in North America. The business has attracted senior managers from within the industry and developed its capabilities in all areas of energy efficiency.

Ecosave's ability to better identify and achieve savings for our clients is recognised as a key element in helping organisations achieve and exceed their financial and sustainability objectives. Our multidisciplinary and holistic solutions allows effective delivery of EPC's for government agencies and commercial organisations.

We have the people, flexibility and experience to meet your specific needs.

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## Company Details

<b>Company Name</b>	Ecosave Pty Ltd
<b>ABN</b>	39 099 777 474
<b>Primary Address in Victorian Government</b>	3/34 Redland Dr, Mitcham Victoria 3132
<b>Telephone</b>	1300 55 77 64
<b>Website</b>	www.ecosave.com.au

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## Key Contact 1

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## Key Contact 2

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<b>Position</b>	Group MD Australian and NZ
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## Financial Details

<b>Minimum Contract Size</b>	\$500,000
<b>Maximum Contract Size</b>	\$75 Million
<b>Public Liability Insurance</b>	\$20 Million
<b>Professional Indemnity Insurance</b>	\$20 Million

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## Accreditations

- ISO 9001 Quality System Certification
- Energy Efficiency Council (EEC) Corporate Member
- NABERS Accredited Assessors
- Certified Measurement and Verification Specialists (CMVP)
- Certified Energy Efficiency Leaders (CEEL and CEES)
- Certified Energy Managers (CEM)
- Australian Institute of Refrigeration, Air Conditioning and Heating (AIRAH)
- American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- Energy Management Association (EMANZ)
- Project Management Institute
- Six Sigma

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## Core Competencies

Ecosave has delivered EPC's and guaranteed energy and water savings to more than 6,000 sites in Australia and internationally since 2002.

We deliver the following solutions for government agencies and commercial organisations:

- Energy Performance Contracts
- Guaranteed Energy Savings Projects
- Utility Management
- Energy Management Systems
- Funding (Capex/Opex) Ecosave Services Agreements (ESA)
- Project Management
- Measurement and Verification of savings
- Audits and Energy Reporting
- Carbon Credit Creation
- Bill Verification

Ecosave's team of specialist engineers will identify and design energy and water efficiency solutions which meet the requirements of your organisation and sites including:

- Embedded Energy Generation such as Co/Trigeneration, Solar, Wind, Biofuel and energy recovery systems
- Heating Ventilation Air Conditioning replacement/ optimisation/ heat recovery
- Building controls (BMS) optimisation / re-commissioning and installation
- Power optimisers, power factor correction and demand management systems
- Solar hot water
- Lighting upgrades, appliance replacement and controls
- Industrial and process engineering, compressed air systems.
- Building Sealing
- Water management, pumping system optimisation, water and waste water treatment optimisation, rain and storm water harvesting, amenities water savings, chilled and heating water systems
- Energy management including utility sub-metering, monitoring of usage, bill management, customer-friendly dashboard and monthly reporting, ongoing consumption reduction advice
- Embedded Networks

Within speciality fields and industries / operation such as:

- Corporate/commercial,
  - Education,
  - Health – private/government hospitals,
  - Aged Care
  - Government
  - Retail, Food & Beverage
  - Water industry
  - industrial/manufacturing
  - Council Infrastructure, Heritage Listed
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## Previous & Current EPC Experience

Customer	Chisholm Institute of TAFE	Description
Project Cost	\$2.9 Million	<p>Chisholm Institute is a TAFE Institute in south-east Melbourne. Ecosave has implemented a \$2.9M Energy Performance Contract for Chisholm across its 65 buildings within 6 campuses.</p> <p>Significant solutions that Ecosave has implemented at Chisholm include:</p> <ul style="list-style-type: none"> <li>• Replacement of entire HVAC system of the largest building to a centralised chiller and boiler system to save 478 MWh of electricity</li> <li>• Installed LED lighting technology across all campuses to save 878 MWh of electricity</li> <li>• Installation of new assets including boilers, BMS systems, and air conditioners</li> </ul> <p>The EPC is in its Measurement &amp; Verification stage and interim data points to Ecosave overachieving its savings targets.</p>
Annual Savings	\$340,000 per annum	
Payback Period (yrs)	7 years	
Date Completed	Aug 2021	

Customer	City of Sydney	Description
Project Cost	\$7.5 Million	<p>The City of Sydney (the City) is committed to improving its environmental performance under the 2030 Sustainable Sydney vision.</p> <p>In 2011, the City went to market for a partner to help them meet their vision, by delivering an Energy and Water Efficiency Retrofit of 47 of the City's Buildings and Operations, one of the most ambitious of any Australian government.</p> <p>The energy and water retrofit project, worth \$7.5M, is a key component of the Sustainable Sydney 2030 plan. The city will see improvements to lighting with a comprehensive suite of LED lighting technologies, HVAC, VSD's, PC power management, occupancy comfort, water-saving initiatives.</p> <p>Ecosave designed and installed a package of HVAC solutions to optimise performance of the existing systems, increasing efficiency and reducing wastage. These solutions included:</p> <ul style="list-style-type: none"> <li>• Energy Savings Modules on chillers to match output with demand and reduce cycling</li> <li>• Economy cycle optimisation to better make use of outside ambient conditions</li> <li>• Variable speed drives on cooling towers and fans to match output with load</li> <li>• Cooling tower optimisation including temperature resetting</li> <li>• Building Management System reprogramming including Optimum Start/Stop and Night Purging</li> </ul>
Annual Savings	\$1.2 Million	
Payback Period (yrs)	6 years	
Date Completed	Nov 2015	

Customer	East Gippsland Water Authority	Description
Project Cost	\$1.13 Million	<p>East Gippsland Water is a small regional water authority in the east of Victoria that serves an area of 21,000 square kilometres in diverse country including coastal areas and wetlands and up in to the Snowy Mountains and alpine areas. East Gippsland water contracted Ecosave to deliver EPC services in 2014 and Ecosave are delivering an energy efficiency project across fourteen key sites which will achieves an energy saving of 1,197,616 kWh p.a. and a CO2-e emissions reduction of 1006 t p.a.</p> <p>The fourteen key sites addressed by the EPC include 3 wastewater treatment plants where energy consumption through lagoon aeration is being addressed with the implementation of solar aerators as well as controls around recirculation pumps. Pumps ranging from 20kW to 200kW at some key water pumping stations are being replaced with smaller more efficient models and new pumping regimes are being implemented. High efficiency LED lighting solutions with integrated controls are being implemented at a number of sites including East Gippsland Water's head office, large scale and small scale roof and ground mounted solar PV is being deployed across a number of sites and controls around incoming water quality and the operation of the central DAFF water treatment plant which is integral to East Gippsland Water's water supply network are being addressed</p>
Annual Savings	\$142, 482	
Payback Period (yrs)	7 years	
Date Completed	Sept 2021	

## Referees

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Mary Ann van Bodegraven

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