

Core Capabilities

1. Advisory Services
2. Sustainability and Net Zero Strategies
3. Energy Efficiency, Management and Monitoring
4. Technical Building Services
5. Building and Certification

Advisory Services



Sustainability Strategy

Sustainability & net zero strategies
Carbon accounting & emissions mapping
Energy Management Systems (ISO 50001)
Decarbonisation roadmaps



Technical Building Services

Energy audits and asset optimisation
Asset register and energy end-use consumption
NABERS improvement plans
Waste Audits and Management Plans
Energy efficiency and energy asset upgrades



Energy Management & Monitoring

Metering & energy monitoring solutions
Demand management & demand response
Energy contracts and renewable PPA advice
Measurement and verification (M&V)

Advisory Services (continued)



Ratings & Certification

- Building Energy Efficiency Certificates (BEEC)
- NABERS ratings
- Climate Active carbon neutral certification
- Carbon offset purchases



Energy Transition

- Behind the meter energy generation & storage solutions
- Asset Electrification
- Electric vehicle fleet and charging infrastructure
- Electricity infrastructure and network augmentation



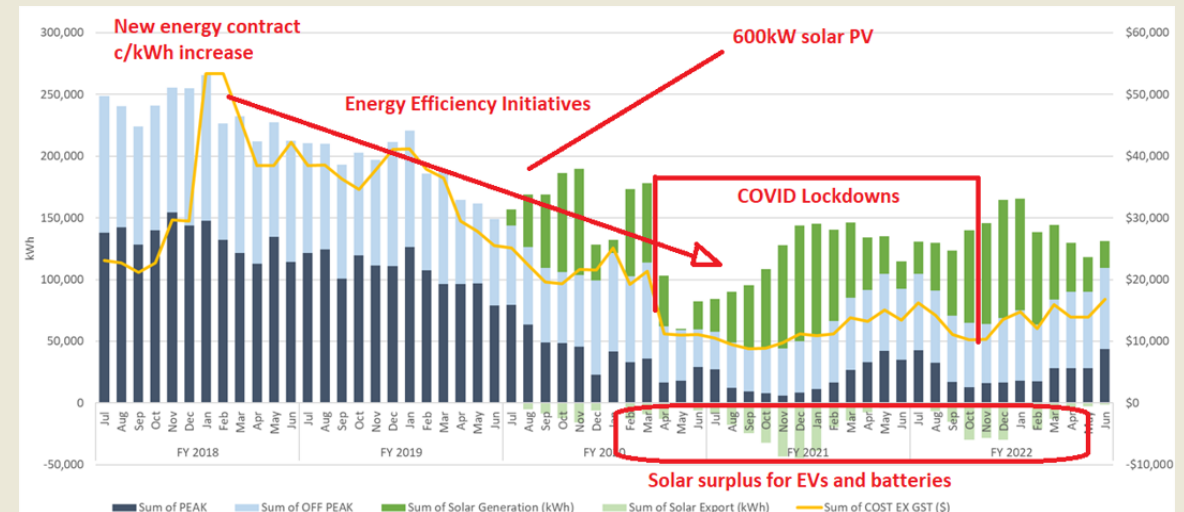
Energy Management & Monitoring

- Solar PV and battery feasibility analysis
- HVAC, lighting and general power upgrades
- BMS optimisation
- Grants, incentives and rebate schemes

Sustainability and Net Zero Strategies

As a sustainability advisory, we partner with organisations to help achieve their net zero targets. Taking a holistic approach we seek to understand the business and their drivers for sustainability and develop the business case to support their vision.

Using a proven framework that builds and executes net zero strategies we measure and monitor energy use, review assets and operations and engage with key stakeholders to establish SMART targets. This forms the creation of the decarbonisation roadmap, a prioritised program of works including the implementation of innovative technologies that paves the way towards net zero.



The outcome of a long-term engagement and project managing a structured roll out strategy can be seen over time. This multi-use office facility reduced monthly electricity bills from \$50,000 to \$17,000 in 4 years.

Energy Efficiency, Management and Monitoring

Energy efficiency, management and ongoing monitoring is the pillar to the success of your sustainability journey. Reviewing energy contracts and metering agreements, tariffs and energy consumption profiles provides the baseline for improvement, combined with energy efficiency reduces operating expenses and improves the resilience of the organisation.

“What Gets Measured,
Gets Managed”

- Peter Drucker

We provide the following services to help decarbonise your organisation

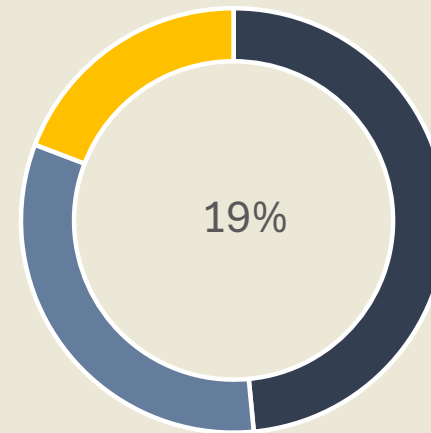
- Metering and energy monitoring solutions
- Energy Management Systems (EnMS) ISO 50001
- Carbon Accounting and baseline emissions measurement
- Demand Management and Demand Response
- Energy contract and renewable PPA advice

Technical Building Services

Our technical advice forms the nuts-and-bolts solutions to optimising performance and reducing energy at the facility level. Our engineers deliver energy audits and provide a wide range of recommendations on the latest and most innovative technologies including heat pumps and electrification, EV charging, battery storage, demand management, solar PV, lighting, smart metering, electrical infrastructure, energy network augmentation and many others.

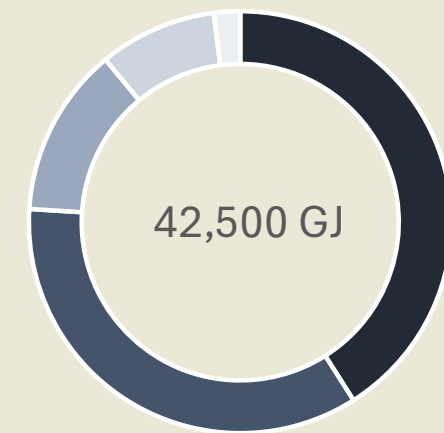
All Energy Conservation Measures and asset infrastructure upgrades are analysed against the energy tariff and provided with a costs benefit analysis, including available government subsidies and rebates, emissions reductions and financial return on investment to ensure they meet the organisation's payback requirements.

Renewable Energy Indicator



■ Gas ■ Electricity ■ Solar

Energy End Use Consumption



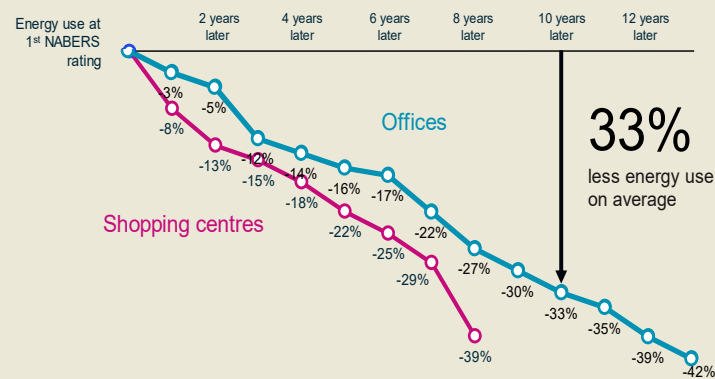
■ Pool and Space Heating ■ Mechanical & Plant
■ Lighting ■ General Power
■ Domestic Hot Water

Ratings and Certification

NABERS Ratings

The NABERS rating scheme is one of the most successful commercial office building ratings schemes in the world.

We deliver energy, water and carbon neutral ratings as well as NABERS improvement plans to all different building types.



Over time participants to the NABERS programs achieve an average 33% reduction in energy use after their 10th rating.

Building Energy Efficiency Certificate (BEEC)

A BEEC is made up of a NABERS rating and a tenancy lighting assessment and must be displayed when owners of commercial office buildings are selling or leasing office space greater than 1,000m².



Climate Active Carbon Neutral Certification



Climate Active is the authorising agency for carbon neutral certification in Australia. Certification can be achieved for organisations, products and services, precincts and stand-alone buildings.

A carbon neutral certification can only be achieved by an accredited Climate Active Carbon Neutral Assessor and involves measuring and offsetting emissions via approved local and international offset schemes.

Key Personnel



Simon Johnston

Director

Specialist Skills

- Net zero strategy
- NABERS and BEEC
- Technical solutions for the built environment

Relevant Qualifications

- Ba of Environmental Science (Env Mngt)
- Certified Energy Manager (CEM)
- Climate Active Certified Carbon Neutral Consultant
- NABERS & BEEC Accredited Assessor
- Energy Management Systems(EnMS)
- Cert IV Project Management



I am a Certified Energy Manager (CEM™) with 15 years experience delivering sustainability advice, technical asset reviews and decarbonisation programs. I have worked with over 80 organisations across a range of industry sectors including hospitals and healthcare, commercial buildings, hotels & resorts, Government, retail, agriculture, education, warehouse & cold stores, transport and postal services.

Work History and Experience

- **Department of Climate Change Energy, Environment and Water (DCCEEW)** Australia's commercial building stock is responsible for 20% of the nation's carbon emissions and achieving Australian's net zero commitment requires the adoption of appropriate incentives, targets and policies to decarbonise the commercial building stock.

As Project Manager and technical lead I advised the Department on options to expand the Commercial Building Disclosure (CBD) program and cost benefit analysis that underpins the roadmap for the *2050 Built Environment Net Zero Strategy*. This involved an understanding of different building types, commercial building policies and programs, as well as market readiness for each building type so the Department can incorporate mandatory schemes in a timely manner.

- **ACT Government:** The ACT Government has committed to achieving net zero from its operations by 2040. Achieving this target involves the electrification of building gas assets as well as augmentation of electrical network infrastructure and Program of works (POW) with deliverables to support ACT's zero net emissions from its operations by 2040.

As the Technical lead I was tasked with finding electric asset replacements, business case development with avoided costs and rollout strategy for 1100 gas assets at 200 facilities over a 17 year period. This required reviews of existing asset infrastructure, plantroom space, electric replacements for gas hot water and space heating, natural and synthetic refrigerants as well as impact on the electricity network and augmentation costs to meet capacity.

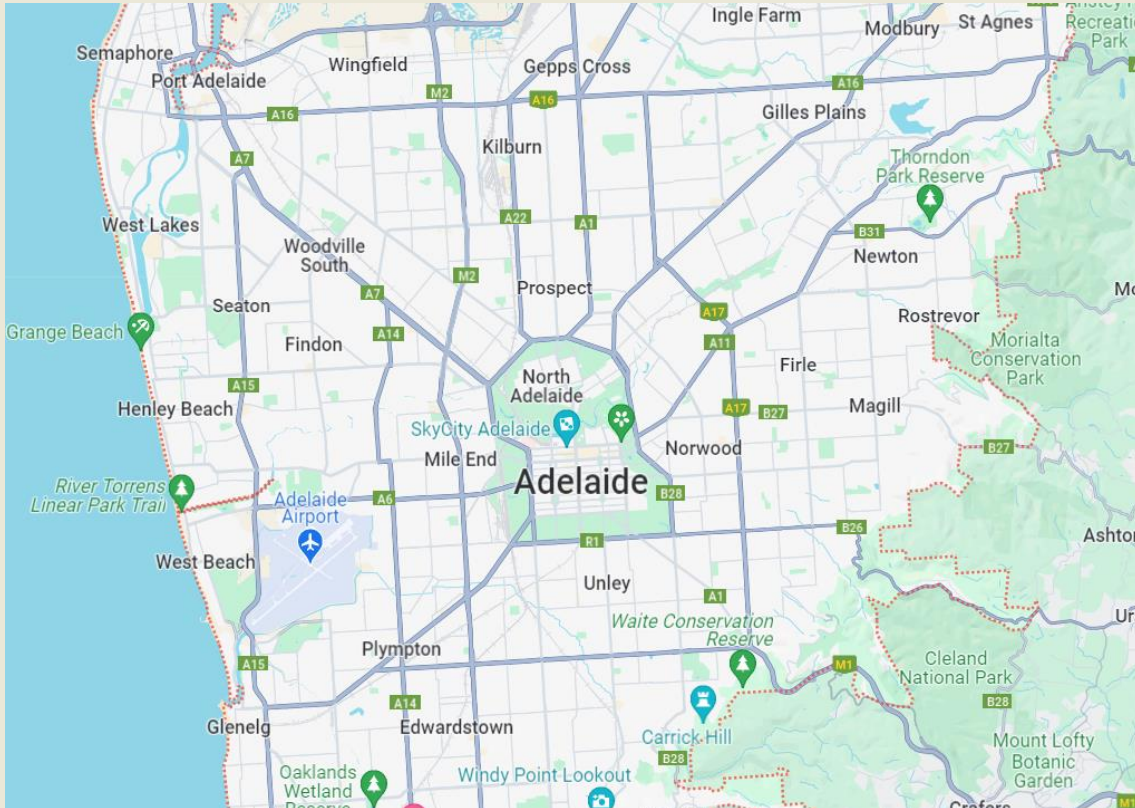
- **RACV Commercial Offices and Resorts:** RACV were seeking a sustainability partner for a secondment position (3.5 year secondment at 2 days/wk) to lead their Sustainability Program and work closely with stakeholders to implement energy saving initiatives at their seven hotel resorts and commercial offices.

As *Sustainability Program Lead* I developed, implemented and managed the sustainability strategy and Energy Management System (EnMS). The long-term engagement and comprehensive program of works involved collaboration with executives and the capital works team to monitor energy use, measure Scope 1 & 2 emissions and undertake resource efficiency audits. Establishing the organisation's existing position, setting net zero targets and creating a decarbonisation roadmap with a prioritised rollout strategy saw initiatives implemented at each facility with outstanding results including 40% reduction in grid purchased electricity from the baseline year with a 35% ROI.

Other Notable Projects

- **Ventia:** Program manager for 3yr contract to deliver NABERS energy ratings for the Whole of Australian Government (WOAG)
- **Sydney Local Health District:** Project lead for energy audits at 5 major hospitals and 3 health clinics as well carbon accounting for the Canterbury Hospital
- **QLD Health:** Level 1 energy audits at 70 facilities throughout Queensland
- **Pro-Invest Hotels :** Holiday Inn Express NABERS ratings and energy audit programs and delivered the first NABERS Climate Active Carbon Neutral rated hotel in Australia
- **Australia Post:** PM for Resource Efficiency Audits at Tier 1, 2 and 3 facilities (35 sites) and waste management program.
- **Local Government:** Energy audits and solar feasibility programs for over 20 councils in Victoria, NSW and SA.
- **Property NSW:** Project lead for solar feasibility program (120 sites) and BEEC ratings (28 sites).

Contact Us



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