

**CLEAN ENERGY**  
CORPORATION AUSTRALIA

**SUSTAINABILITY ADVISORY SERVICES**

# ➞ **CAPABILITY STATEMENT**

[www.cleanenergycorp.com.au](http://www.cleanenergycorp.com.au)

**ENERGY, CARBON, WATER &  
WASTE REDUCTION STRATEGY**

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**ECOLOGICALLY SUSTAINABLE  
DESIGN (ESD) STRATEGY**

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**ORGANISATIONAL  
SUSTAINABILITY STRATEGY**

## OUR SUSTAINABILITY ADVISORY SERVICES

Clean Energy Corporation Australia offer sustainability advisory services to reduce your utility outgoings, improve business efficiencies and build greater value into your assets, portfolio and brand.

We help clients achieve reductions in energy, water and waste bills by identifying strategic initiatives that deliver returns better than many financial investment options. We provide sound cost benefit analysis to identify attractive investments and map them out on a timeline that suits your budget. We are able to provide strategic advice across a range of areas such as the following:

- |  |   |
|--|---|
| → Energy, carbon, water and waste reduction strategy   | → Low or no capital cost funding solutions                                |
| → NABERS, Green Star, BASIX and LEED ratings           | → Carbon neutral certification under the National Carbon Neutral Standard |
| → Ecologically Sustainable Design (ESD) advice         | → Sustainability marketing and communications strategy                    |
| → Organisational sustainability strategy and policy    | → Renewable energy system design and delivery strategy                    |
| → Building audits and performance improvement strategy |   |

## ADDING VALUE TO YOUR ORGANISATION

Our sustainability advisory services are designed to improve your organisation's bottom line, whilst reducing environmental and social impacts of its business activities.

We are able to provide strategic advice in the following areas for property assets or entire organisations:

1. Organisational sustainability strategy;
2. Energy, carbon, water and waste reduction strategy;
3. Ecologically Sustainable Design (ESD) strategy; and
4. Renewable energy and low carbon solutions.

## CERTIFICATION UNDER THE NATIONAL CARBON OFFSET STANDARD CARBON NEUTRAL PROGRAM

Clean Energy Corporation Australia facilitate certification under the National Carbon Offset Standard Carbon Neutral Program administered by the Australian Department of The Environment. Benefits of certification include:



1. Enhancement of brand reputation by using a nationally recognisable, robust certification targeted by other leading organisations (certified organisations shown below);
2. Elimination of the entire organisation's environmental impacts due to greenhouse gas emissions; and
3. Education of customers, suppliers and/or service providers about how to go carbon neutral.

Businesses certified under the National Carbon Offset Standard Carbon Neutral Program:





ORGANISATIONAL SUSTAINABILITY STRATEGY

A well-implemented sustainability strategy improves your organisation's bottom line whilst reducing environmental and social impacts of its business activities. A sustainability framework needs to go beyond environmental aspirations with economic, social and environmental targets embedded into organisational policy.

Through consistent application, a successful sustainability strategy (and supporting framework):

- outlines the most important sustainability focus areas for the company;
- lays out a number of sustainability objectives within each focus area;
- establishes time-bound, measurable targets for each objective; and
- summarises the actions and policies that will drive businesses towards performance targets that result in real change and real profit. A sample sustainability framework is shown below.

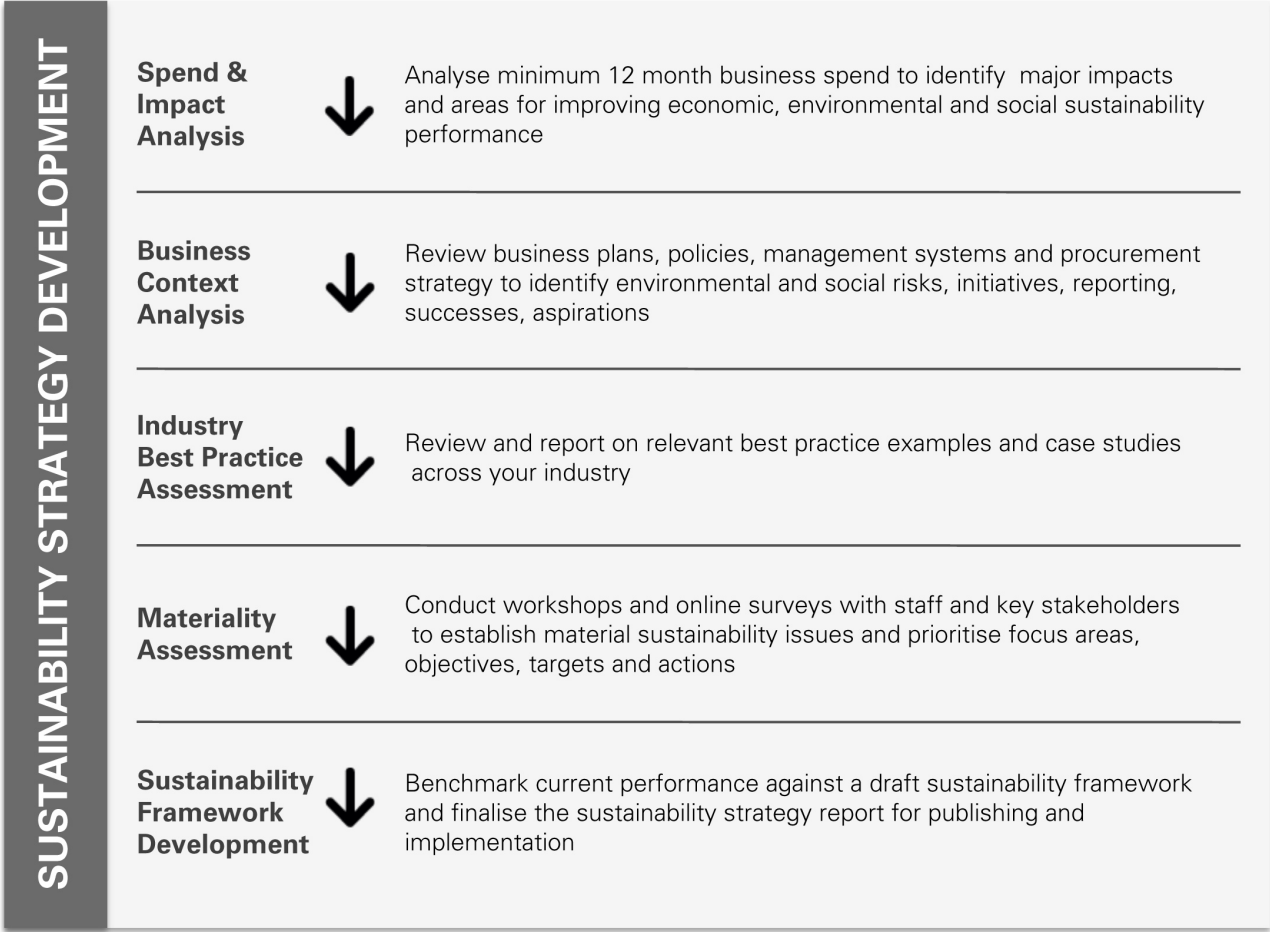
Focus Areas	Goals/Objectives	Targets	Actions/Policies
↓	↓	↓	↓
Resource Efficiency	Energy Demand Reduction CO2 Emissions Reduction Water Use Reduction Landfill Waste Reduction Sustainable Supply Chain	Reduce 50% by 2020 Carbon Neutral by 2017 Reduce 40% by 2018 Reduce 60% by 2020 Engage 50% by 2017	Energy Strategy/Policy Carbon Neutral Roadmap Water Strategy/Policy Waste Strategy/Policy Procurement Strategy
Responsible Corporate Citizenship	Animal Protection Community Growth Ethical Investment Human Health & Safety	Reporting & Zero Fatalities Support Local Charities Create Soc/Env/Econ Filters Reporting & Zero Fatalities	Health & Safety Strategy Community Strategy Investment Strategy Health & Safety Strategy
Life Cycle Thinking	Climate Resilience Source Clean Energy Environmental Impacts Sustainability Governance	Resilience Plan by 2017 100% Renewables by 2018 Conduct LCA, reduce 50% Annual Reporting	Climate Resilience Plan Energy Strategy/Policy Procurement Strategy Sustainability Policy

The key objectives of the strategy and framework are as follows:

1. To raise sustainability to a strategic level that optimises business operations to achieve cost savings and reduced environmental and social impacts;
2. To ensure consistency across the business and provide an overarching framework
3. To facilitate the development of policies and standard processes for ongoing activities to ensure sustainability goals are achieved and updated.

Our approach to developing a successful sustainability strategy is outlined below.

which avoids business managers creating a sustainability approach for every asset or project, saving time and costs; and



Our approach is to conduct a number of research and stakeholder engagement activities to gain a deep understanding of the business and relevant industry best practice. These activities support the detailed development of the sustainability strategy and framework.

The key deliverable of this process is a sustainability strategy report with the following sections:

- The vision and drivers for sustainability in your organisation;
- Sustainability framework development process;
- Industry best practice and case studies;
- Sustainability focus areas and objectives;
- Key sustainability performance indicators and targets; and
- Proposed governance model and implementation strategy.

The sustainability strategy report (or an executive summary) can be polished to a high desktop publishing standard for external release.

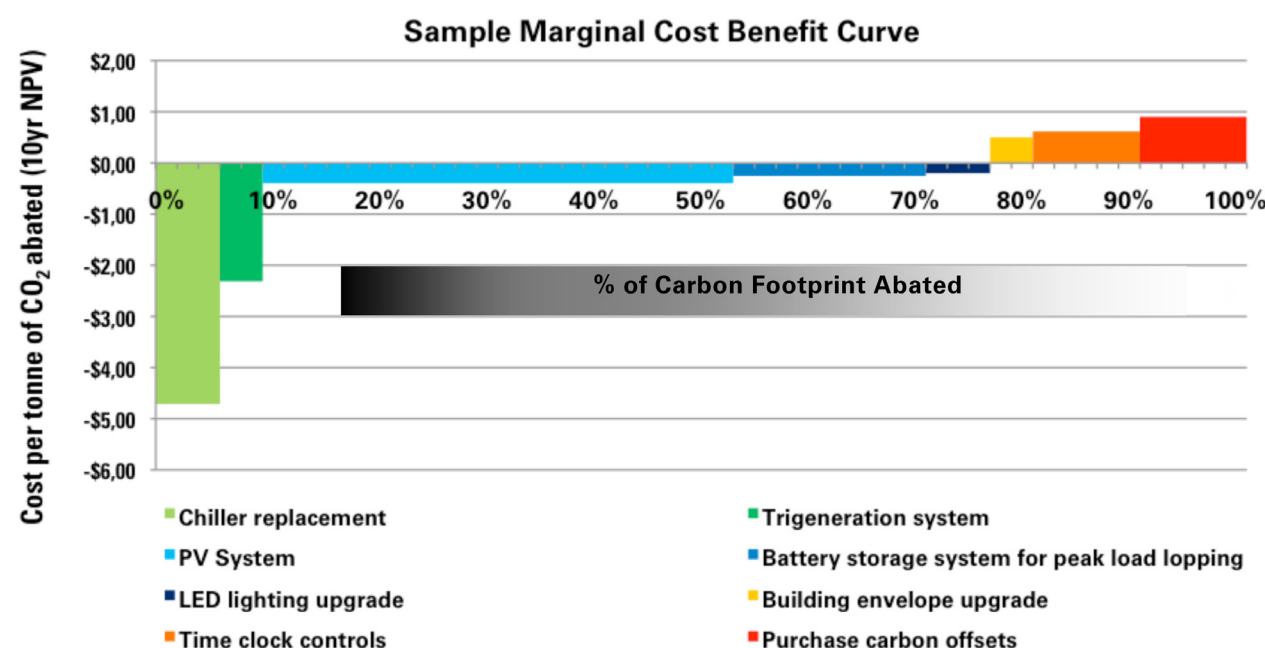
## ENERGY, CARBON, WATER & WASTE REDUCTION STRATEGY

Our approach is designed to reduce your utility bills whilst reducing environmental impacts using a simple three step process:

1. Conduct detailed site inspections and auditing to understand daily and annual energy, carbon, water and/or waste profiles as well as relevant planned maintenance activities;
2. Conduct life cycle analysis to:
  - calculate the life cycle cost (net present value) of each initiative, and corresponding IRR;
  - quantify the environmental and social benefits of each performance improvement initiative; and
  - identify the most cost effective performance improvement initiatives using a marginal cost benefit curve (sample below).

The chart below shows a sample marginal cost benefit curve illustrating the cost per tonne of CO<sub>2</sub> (10-year net present value) abated for eight selected carbon reduction initiatives, and the relative percentage of the total carbon footprint abated by each. This type of cost benefit curve can be applied to energy, carbon, water and waste reduction initiatives.

3. Develop a customised course of action to implement preferred initiatives, including management of finance and delivery. This involves our core capabilities.



## ECOLOGICALLY SUSTAINABLE DESIGN (ESD) STRATEGY

Drawing from a rich depth of experience delivering ESD advice on a wide range of projects in the built environment, we are able to offer the following ESD services:

- ESD workshops, target setting and brief development for master plans, buildings and fitouts;
- Design advice for developments to meet minimum legislative requirements (e.g. BCA Section J, BASIX, NABERS) and voluntary sustainability ratings (e.g. Green Star Design & As Built, Green Star Communities, Green Star Performance, LEED, Living Building Challenge, ISCA IS);
- Development of ESD guidelines for new developments to manage peak loads and infrastructure costs;
- ESD reports for planning applications; and
- ESD peer reviews.

## RENEWABLE ENERGY AND LOW CARBON SOLUTIONS

Our core offering is designed to provide a complete clean energy technology solution from concept to delivery. This involves bringing together leading clean energy finance partners, technology providers and system designers with our experienced in-house installation experts to deliver a complete service to suit your clean energy needs.

### Funding

Our relationship with clean energy finance partners makes it possible for you to fund and install technologies such as LED lighting, solar PV and trigeneration using one of two attractive funding models:

1. a 'clean energy finance loan' with interest rates below major banks and lenders; or
2. a 'power purchase agreement' where the up front costs of sizing, procuring and installing the clean energy system are provided for (allowing your operations to be cash-flow positive from day one) and power is purchased at a rate below major electricity retailers.

### Installation

For a wide range of clean energy technologies, we operate with an experienced in-house delivery team to mitigate risk with sub-contractors and to ensure high quality installation.



Clean Energy Corporation Australia now offers a complete solution from initial requirement concept, through to building and organisational efficiency upgrades, bringing leading funding facilities and delivery capability. This offering arms our clients with the knowledge and power to make the right decisions around their sustainability initiatives and realise them in a timely, cost effective manner.

#### HEAD OFFICE

Clean Energy Corporation Australia  
55/ 301 Castlereagh St  
Sydney NSW 2000

T 1300 510 169    F 02 8188 0779  
[enquiries@cleanenergycorp.com.au](mailto:enquiries@cleanenergycorp.com.au)  
[www.cleanenergycorp.com.au](http://www.cleanenergycorp.com.au)

To understand how Clean Energy Corporation Australia can assist your organisation please contact us via email.

#### NOTES