

ACHIEVE A SUSTAINABILITY ADVANTAGE



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Business Partnerships DECCW

**ACHIEVE A
SUSTAINABILITY
ADVANTAGE**



**Environment,
Climate Change
& Water**

What is Sustainability?

There is no simple definition of 'sustainability'. It can be an idea, a property of living systems, a manufacturing method or a way of life. In fact, there may be as many definitions of sustainability as there are people trying to define it.

However, most definitions include:

- living within the limits of what the environment can provide
- understanding the many interconnections between economy, society and the environment
- the equal distribution of resources and opportunities –especially between developed & developing countries.
- Producing more with less

Sustainability and Business Value

Sustainability can help business to:

- ***Create a low carbon economy*** –
Energy reductions
- ***Recognise opportunities*** –
Reduce costs, a supplier of choice, employer of choice, improved productivity, access to capital and markets
- ***Become a supplier and employer of choice*** –
Corporate Social Responsibility
- ***Manage Risks*** -
Regulation, carbon liability, community expectations & NGO scrutiny, customer and investor demands
- ***Data-***
you cannot monitor & change what you do not know;
Triple Bottom Line – Environmental / Social / Economic.

Sustainability Road Map



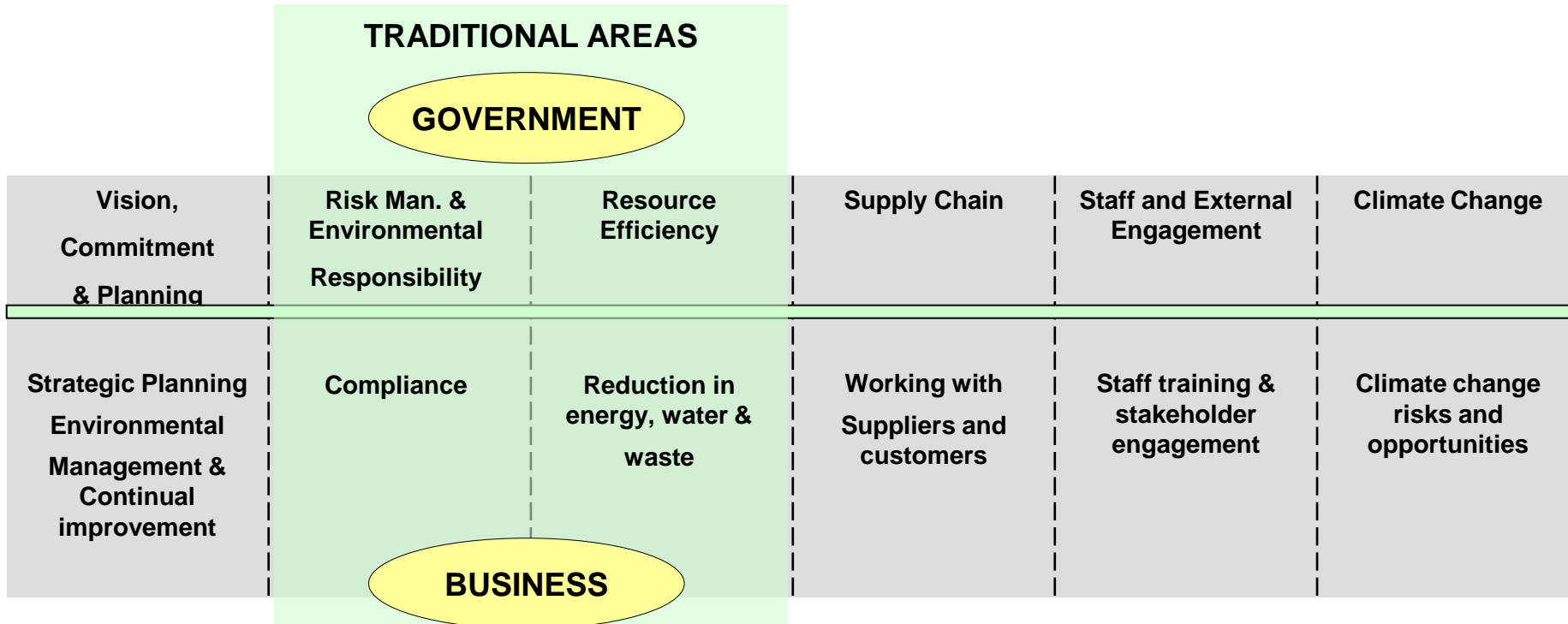
Sustainability Advantage

The Process

- **Commitment - 18 months & up to \$3,000 (+GST)**
- **Diagnostic – 2 hour self-assessment**
- **18 month – 2 year action plan**
- **Projects with specialist support**
- **Clusters – sector or geographic (2-3 times a year)**
- **Document and report results**
- **Plan, new projects and continuous improvement**



Sustainability Advantage



DECCW Support

- Workshops and Training
- Technical support from leading Australian providers
- Networks – sharing ideas and finding common solutions

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Sustainability Diagnostic

Department of Environment, Climate Change and Water NSW

[Home](#) [Business Account](#) [Diagnostic Session](#) [Contact](#)

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DIAGNOSTIC SESSION: AUSTRALIAN ALUMINIUM FINISHING PTY \ WETHERILL PARK

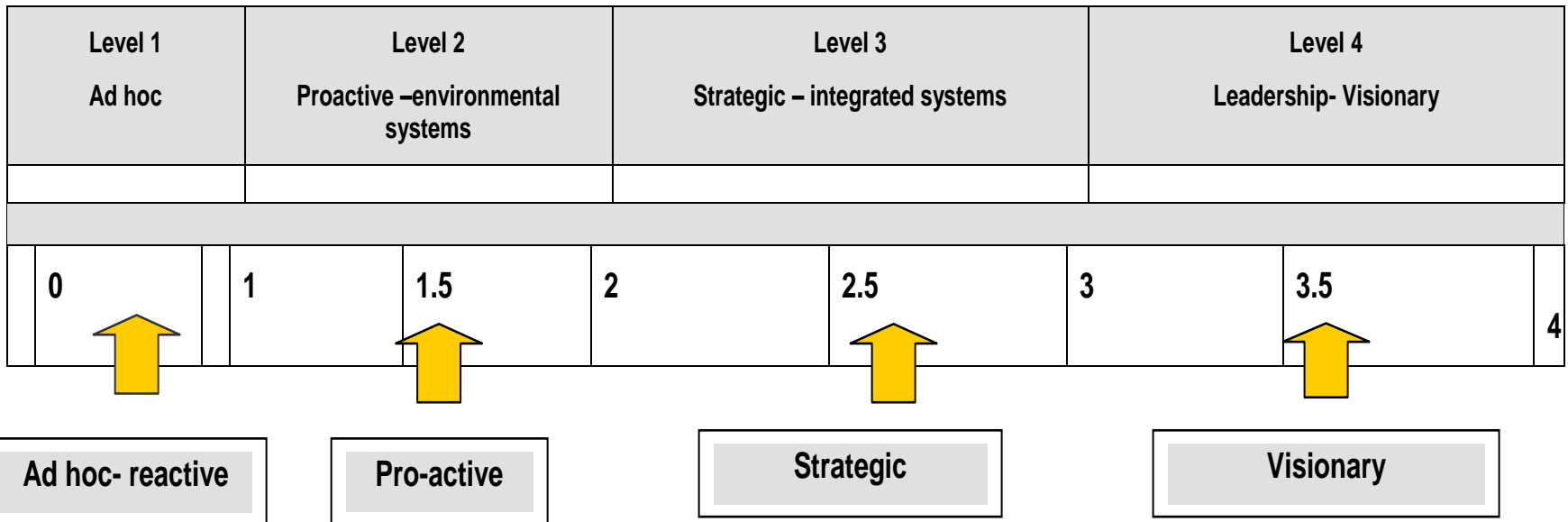
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Categories	Elements
1. VISION COMMITMENT AND PLANNING	Leadership and Commitment
	Budgets, financial management measuring and monitoring performance
	Management Systems and Continuous Improvement and reporting Accountability from senior management team to staff
2. RESOURCE EFFICIENCY	Waste and Resources Management, Recycling and Re-use
	Energy Conservation
	Water Conservation and Protection Fleet Management
3. ENVIRONMENTAL RESPONSIBILITY	Compliance and risk management
	Environment and ecosystem protection
	Land protection, remediation and rehabilitation
4. INTERNAL STAFF ENGAGEMENT	Communications, awareness and training
	Performance management
5. SUPPLY CHAIN ENGAGEMENT	Strategic sourcing and procurement
	Sales and marketing
6. CLIMATE CHANGE	Climate change
7. EXTERNAL STAKEHOLDER ENGAGEMENT	Community and external relations, engagement and communication

Results Analysis

Diagnostic Levels and Scoring System



Cluster Approach – The Benefits

- **Clusters meet 3-4 times a year (12-18 months)**
- **Share ideas, new developments & best practice**
- **Resource sharing**
- **Innovation & joint projects**
- **Solutions to common problems**
- **Peer support & friendly competition**
- **Facilitator ensures outcomes delivered**



SA Partner: Westmead Private Hospital

- \$25k in savings in the reduction of use and recycling of paper and cardboard – this initiative was the result of a Waste Audit that was funded by DECCW. This also equates to substantial diversion of waste to landfill
- Custom packs for theatres were scrutinised and composition revised resulting in savings of \$42,700 by eliminating unnecessary items. This also led to a supply chain initiative where suppliers could offer same elsewhere.
- Streamlining of pharmaceuticals leading to less waste and a saving of \$11,600pa.
- Fine tuning of air conditioning settings in theatres saving \$16,000 pa.
- Resource recovery of oxygen tubes in the Recovery Wards.



SA Partner: St George Private Hospital

- Worked with suppliers / waste collectors to implement the collection and recycling of Kinguard leading to substantial savings.
- Worked with service providers to optimise segregation of waste and ensure staff are trained in the correct operation of the waste disposal system – especially paper and confidential bins which have up to 40% contamination.
- Replacement of old HVAC systems; replacement of lighting;
- Reviewed and optimised the allocation of heavy cardboard folders in administration and filing system with savings of up to \$40,000.
- Removal of 111 small refrigerators from maternity rooms not being used – with savings of up to \$11,600.
- Upgrade of chillers achieving substantial water savings.



Issues & Opportunities identified at Aged Care Facilities:

- **Food Waste / packaging (especially single use food containers)**
- **Laundry – chemicals, water and extensive use of dryers / settings**
- **Gardens and green waste – going to landfill – could be chipped on site**
- **Waste collection / separation / contamination – recycling systems**
- **Conflicting use of energy – heating, air-conditioning and open windows in the same area all being used at the same time – behavioural change but also policies**
- **Lighting – unnecessary and excessive use – especially ornamental lighting**
- **Supply chain – where products are being sourced — especially incontinence pads**
- **Staff (culture of the facility) - staff engagement to implement more consistent practices – especially around use of heating, air conditioning and lighting**
- **Administration – huge amount of paper use – / single sided printing / procurement of recycled paper.**
- **Landscaping to increase built environment energy efficiency / insulation / shading**
- **Solar hot water heating – pipe insulation – temperature loss in delivery to taps**
- **Education and awareness raising with independent living – especially hot water systems and their settings – too high uses energy to heat water beyond the standard requirement.**



Down the drain...

Leaking amenities

0.8 L/s

25,185 kL/yr

**9% of site
consumption**

\$77,558/year!!!

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Further Support: Energy Audits & Green Skills

- **Energy Saver Audits:**

DECCW Funding for Level 1 (80%), Level 2 (70%) & Level 3 (50%) energy audits that can help organisations identify where money can be saved on energy use.

- **Must be member of Sustainability Advantage**
- **The organisation must provide:**
 - baseline data on energy use;
 - an active resource efficiency team so that actions from energy audit recommendations can be implemented;
 - resource efficiency database entries so that outcomes can be tracked.
 - reports on actions implemented and outcomes at 6 monthly intervals up to 18 months.

- **Fast Track:**

Energy Audits and SA Resource Delivery Module only – sign up fee of \$500.

- **Green Skills:**

Energy efficiency training for engineers and maintenance managers

<http://www.environment.nsw.gov.au/sustainbus/greenskills/eneftraining.htm>