

REDUCING OUR CARBON THUMBPRINT

Australian Technology Park



OUR 2012 - 2020 SUSTAINABILITY TARGETS



WATER CONSUMPTION



ENERGY USAGE



WASTE TO LANDFILL



ENVIRONMENTAL HARM PREVENTION

2012 TARGET	2020 TARGET
<p>15% reduction on 2009/10</p>	<p>25% reduction on 2009/10 total consumption levels; ie 1.25% pa for the 8 years beyond 2012</p>
<p>15% reduction by June 2012 (based on 2009/10 levels)</p>	<p>30% reduction on 2009/10 total emissions; ie approx. 2% pa for the 8 years beyond 2012</p>
<p>30% reduction (based on 2009/10 levels) in waste to landfill by June 2012</p> <p>85% of all paper to have recycled content by 2012</p>	<p>50% reduction (on 2009/10 levels) in waste to landfill; ie 2.5% pa for the 8 years beyond 2012</p> <p>95% of all paper to have recycled content</p>
<ul style="list-style-type: none"> • Annual assessment of site capping to ensure it is maintained in good condition • Routine groundwater monitoring at six monthly intervals • Implement an intrusive works management plan 	<ul style="list-style-type: none"> • Implement planning/management of above ground developments • Use of Hybrid vehicle • Sustainable materials for fit outs & refurbishments

- Undertake site water consumption audit and implement recommendations
- Use drought-resistant plants and enhanced horticultural practices
- Rainwater capture and re-use
- Waterless urinals to be installed as part of wash room refurbishments

- Implement resource efficiency initiatives
- Optimisation of building management system
- Efficient lighting substitution
- Solar panel power generation

- Ensure sufficient appropriate Receptacles for cafe & event Clients
- Investigate and implement compostable waste handling options
- Reduce paper purchasing by printing on two sides, and maximise e-distribution for promotional events
- Ensure paper cups at all cafes and events are recyclable
- Targeted training of cleaning staff in waste segregation
- Implement an e-waste stream for ATPML, and assess the feasibility of a centralised e-waste service for all tenants



ALMOST 25% OF AUSTRALIA'S GREENHOUSE GAS EMISSIONS COME FROM BUILDINGS



ENVIRONMENTAL IMPACTS

PROPERTY

- DEVELOPMENT
- LEASING
- FACILITIES MANAGEMENT
- GENERAL MAINTENANCE
- CONTRACT MANAGEMENT

ENVIRONMENTAL IMPACTS

- NON-RENEWABLE ENERGY SOURCES
- SOLID WASTE TO LANDFILL
- WATER CONSUMPTION
- NOISE
- VISUAL IMPACTS
- ASSET LIFE CYCLE IMPACTS
- USE OF PACKAGING
- CONSUMABLES
- POTENTIAL AIR POLLUTION

EVENTS & MARKETING

- EVENTS
- CONFERENCES
- MARKETS
- CATERING
- VISUAL EFFECTS
- SOUND PRODUCTION

UNDERSTANDING AND MANAGING OUR IMPACTS

In order to better understand where in the business the major environmental impacts occur, the Company's value chain has been mapped. The following opportunities have been identified in the development of this strategy to minimise these impacts:

1. Using environmental performance to further promote effective relationships with customers and contractors;
2. Reducing waste to landfill through a reduction in consumption and transfer to more effective recycling systems;
3. Reducing the demand on natural resources;
4. Using energy more efficiently;
5. Raising awareness of environmental improvement opportunities within the Company and its customers;
6. Investing in clean energy and legitimate energy offset programs; and
7. Investing in capital to deliver resource efficiency assets and capabilities.



"THE GREENEST BUILDING IS ONE THAT ALREADY EXISTS"

*Richard Moe, President,
National Trust for Historic Preservation (USA), Dec 2007*



NICTA

As a government-funded organisation, NICTA was obliged to sign green leases, ensuring a minimum 4.5 star NABERS energy rating. To meet these requirements, motion detectors were fitted for lighting control and the building’s meeting rooms contain independent air-conditioning. Other sustainability initiatives include three floors served by balconies and sliding doors to the main breakout area which provides natural ventilation, eliminating the need for air-conditioning for much of the year.

HYBRID PRIUS

ATPPML recently invested in a Toyota Prius powered by Hybrid Synergy Drive®. The Hybrid Synergy Drive integrates the desirable elements of a petrol engine and an electric motor. But it’s not just an innovative combination of petrol and electricity.

It offers outstanding fuel efficiency with the goal to reduce CO₂ emissions, along with a significant reduction in emissions of other substances in its exhaust gas. Hybrid Synergy Drive clears stringent exhaust regulations internationally.



EMBODIED ENERGY

Embodied energy is the energy consumed by the processes involved with the construction of a building, while operational emissions is the energy used to power them. By enhancing the energy efficiency of our existing heritage buildings, we are safeguarding the Park against rising costs while ensuring the buildings continue to attract a market.

Meanwhile, buildings in and around ATP such as the Locomotive Workshops and IBC have been adaptively re-used to avoid rebuilding and the aim is for these and other buildings to continue to be of service well into the future. It is part of our commitment to ensure their sustainability is maintained.

Some people argue that all the energy used in demolishing an older building and replacing it is quickly recovered through the increased energy efficiency of the new building. However, recent research indicates that even if 40% of the materials are recycled, it takes approximately 65 years for a new green, energy efficient office building to recover the energy lost in demolishing an existing building. Most new buildings aren’t designed to last 65 years.

No matter how much green technology is employed in design and construction, a new building creates a new impact on the environment. The bottom line is that “the greenest building is one that already exists.”

ATP welcomes engagement from tenants and the broader community to improve energy efficiency and increase the use of zero emissions technology. Many resident companies have contributed to the success of Australian Technology Park in the past and, with the development of this new Sustainability Strategy, we look forward to collaboratively creating a sustainable future for the Park and its relevant stakeholders.

TECHNOLOGY + INNOVATION = A SUSTAINABLE FUTURE

OUR VISION

To create a world-class technology park through leadership, innovation, sustainability and community engagement based in a heritage setting.

In a changing landscape of environmental mandates and energy price increases, a road map for sustainability became an essential tool within Australian Technology Park Precinct Management Limited's business model.

Like safety, sustainability is now a consideration in every business decision undertaken at ATPPML.

To reach this point, ATPPML sought the guidance and insight of the NSW Department of Environment, Climate Change & Water (DECCW). Under its Sustainability Advantage Program, DECCW led ATPPML through vision & objective setting, resource efficiency and staff engagement workshops. Based largely on industry case studies and lessons learned, the Sustainability Advantage Program has facilitated the development of an overarching vision underpinned by time-based, achievable objectives to achieve it.

As part of Australian Technology Park's commitment to creating a world-class technology precinct through leadership that promotes technology, innovation, community engagement and sustainability, ATPPML is implementing a Sustainability Strategy.

This Strategy will be implemented as a whole-of-park strategy in partnership with ATP tenants and all relevant stakeholders to help build an identity synonymous with innovation and sustainability.

WHY A SUSTAINABILITY STRATEGY FOR ATP?

Under its National Energy Efficiency Program, the Australian government is actively pursuing a range of policy initiatives to improve Australia's environment and mitigate greenhouse gas emissions. The Government has committed to reducing Australia's carbon emissions to five per cent below 2000 levels by 2020 and has also adopted a target of improving energy efficiency by 30 per cent (based on current levels) by 2020.

This clear policy means that the regulatory mandates on business are increasing and this changing landscape impacts ATPPML, its tenants and, increasingly, its events clients.

We have set goals to help us achieve our vision and to explore the opportunities available to minimise our impact on the environment and create a more sustainable future.

SUSTAINABILITY GOALS

1. Establish sustainability commitment, vision and goals;
2. Gather information to establish baselines for utilities, waste, consumables and buildings;
3. Establish corporate sustainability targets;
4. Prevent environmental harm;
5. Achieve international environmental best practice; and
6. Obtain buy-in engagement from all relevant stakeholders (staff, tenants, clients, stallholders etc)

The key business drivers underpinning the development of this strategy are:

- Being committed to a sustainable future
- Demonstrating leadership in the sustainability of our business
- Being both a successful and efficient business
- To lower energy and other resource costs
- To demonstrate the company's commitment to its charter
- To comply with current and emerging statutory requirements regarding the environment
- To effectively manage risk
- Leverage off our technology partners
- Leverage off our heritage assets



**SUSTAINABILITY IS ABOUT LIVING WITHIN
THE LIMITS OF OUR NATURAL RESOURCES AND
ENVIRONMENTAL SYSTEMS**



ATPPML has embraced sustainability, not only as a natural element of its corporate and social responsibility, but because it will deliver a lower operating cost structure which translates to a more competitive pricing formula for our clients and tenants.

For more information please contact:

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