



Blue Environment is a leading provider of environmental policy, planning and management advice to public and private sector organisations. We are focused on delivering high quality outcomes based on sound scientific principles and technical excellence.

We partner with clients to conserve resources, manage business objectives and plan for the future while navigating complex regulatory policies and processes.

Our reputation for strategic advisory services is built on more than 10 years' experience delivering resource efficiencies and cost savings.

We deliver sustainable outcomes through innovation

Waste and recycling infrastructure

Blue Environment's core speciality is strategic waste management and resource recovery services. Our engineers and analysts have extensive infrastructure experience across the spectrum of strategy, planning, development, feasibility analysis, design, approvals and implementation phases.

Blue Environment offers a high level of skill and experience in waste management and resource recovery infrastructure including:

- infrastructure network strategy and master-planning
- needs assessment and material pathway analysis
- technology selection and optimisation
- site layout and concept design
- best practice development and benchmarking
- financial analysis and triple bottom line assessment
- business case and cost benefit analysis
- feasibility studies
- greenhouse gas management and carbon pricing
- environmental impact assessment and management plans
- community consultation and stakeholder engagement
- statutory environmental and planning approvals
- environmental auditing and risk analysis
- sustainability and site assessments
- business and market development strategies
- site operations and management manuals
- risk management frameworks and statutory monitoring reports.



Experience

Our expertise is best evidenced by the extensive range of projects we have completed, including;

- Energy-from-waste regional micropower network feasibility assessment**

On behalf of the Central Victorian Greenhouse Alliance, we considered the feasibility of an energy-from-waste micropower station network for 6 councils. The scope included detailed economic and energy modelling, assessment of different options using anaerobic digestion technology, site assessments and regulatory and market analysis.
- Infrastructure capacity and needs analysis**

Blue Environment has worked with four Victorian Waste and Resource Recovery Groups to benchmark existing waste and resource recovery infrastructure, assess current and planned capacity, analyse future needs and infrastructure gaps, and identify strategic opportunities for growth. Individual assessments were undertaken for Goulburn Valley, Loddon Mallee, Grampians Central West and Barwon South West regions, encompassing around 80% of the total area of Victoria.
- Ballarat waste to energy feasibility study**

Blue Environment assessed the feasibility of development of a garden waste to energy facility for the City of Ballarat. The study included identification of potential feedstock, assessment of processing and energy technologies, exploration of local energy and heat demand, site and planning requirements, energy network connection issues, financial analysis and triple bottom line assessment of the project's feasibility.
- Cairns transfer station network masterplan**

We were commissioned by Cairns Regional Council to develop the Cairns Regional Transfer Station Network Masterplan. The project involved an assessment of all transfer stations in the region, analysis of future catchment populations and waste/recycling generation, identification of infrastructure upgrades required and statutory planning issues. Concept designs were developed for six new facilities, costs estimated and a sustainability assessment undertaken; additional considerations included managing the impact of climate change-induced disasters and options for enhancing community education.
- Audit of waste and recycling facilities**

On behalf of various local governments and regional groups, Blue Environment has assessed and audited a wide range of waste and recycling facilities. This has included nearly 200 resource recovery centres, transfer stations, material recovery facilities, landfills and other waste/recycling facilities across Victoria, Tasmania and Queensland.
- Landfill studies**

We have investigated options for future landfill planning for a number of councils and private operators, and prepared management and monitoring plans. This has included detailed cost modelling of future management options for the Benalla and Anglesea landfills, exploring replacement options for landfills reaching their end of life in Meander Valley, and developing a risk assessment plan and ongoing monitoring reports for Patho landfill.