



Strategic waste management

Identifying needs

Strategic waste management planning plays an important role in the overall success, environmental performance and efficiency of waste services and infrastructure in our communities and organisations. Identifying goals and objectives, and developing a robust roadmap to achieve these goals and objectives, enables organisations and government at all levels to strive towards improved waste management and measure and track progress.

GHD's waste management team is experienced in assisting Clients with all types of strategic waste management projects, from site-specific plans (for landfills, transfer stations and resource recovery centres) and master planning, to local government level planning and regional waste management collaboration and planning.

Solutions

Our environmental consultants and engineers assess each project on its merits and apply our extensive knowledge and experience to design a tailored, practical waste management plan, waste strategy or site-specific strategic plan defined by client objectives.

We offer a full range of services to meet client requirements including:

- Waste and resource recovery systems and services reviews
- Landfill and resource recovery centre operational reviews and master planning
- Waste data analysis
- Stakeholder engagement
- Waste education

- Waste technology assessment
- Feasibility assessment and options analysis
- Cost and financial modeling and business case development
- Waste strategy and action planning

Benefits

Our extensive experience in waste management allows us to draw on a wealth of options to satisfy specific project objectives.

We work in collaboration with our clients and their stakeholders to deliver project outcomes that meet our client's needs and expectations.

We aim to be your trusted advisor.

Experience

GHD has one of the most experienced and longest established specialist waste management teams in Australia. It has been operating for more than 10 years.

Some of our principal consultants have been working in the waste sector for more than 20 years, and extensive experience and knowledge of the waste industry nationally and internationally. GHD has conducted projects for all stakeholders in the waste industry, including all levels of government, waste contractors, landfill operators and private companies.

In 2013, for the second consecutive year, the *Inside Waste Consultants Survey* found that respondents across industry and all levels of government voted GHD the clear leader among waste management consultancies. *Inside Waste* said

'That GHD could not only win a second year, but also win by a larger margin, demonstrates the firm's strength of expertise in waste and resource recovery.'

GHD has worked on a number of projects involving waste strategy and waste management planning. GHD applies its client relationship focus and its in-depth strategic waste management experience to work closely with client

representatives addressing key concerns, constraints and issues.

Some strategic waste management projects that GHD has conducted are provided below. Further strategic waste management project experience can be provided upon request.



Resource Recovery Strategy and Implementation Roadmap – Randwick City Council Randwick, New South Wales (2012)

GHD prepared a long-term a long term resource recovery strategy and alternative waste technology implementation roadmap for Randwick City Council. The project analysed Council's current waste collection system and resource recovery performance and identified potential alternative waste treatment technologies, sites and purchasing options, identified risks and developed and assessed the options in order to identify the most appropriate technology and purchasing option for Council. The project also included development of an implementation roadmap.



Goondiwindi Waste Management Strategy – Goondiwindi Regional Council Goondiwindi, Queensland (2012)

GHD was engaged by Goondiwindi Regional Council to prepare a waste management strategy addressing the recently implemented waste levy, as well as providing advice on operational issues and recommended improvements a five landfill sites and one transfer station facility. In addition, GHD prepared a site management plan for the Goondiwindi Regional Landfill.



Western Australian Regional Waste Management Approach and Business Case – Jerramungup Shire Council South Eastern Local Government Areas, Western Australian (2011)

GHD assessed options for closing and converting landfills to transfer stations in the Shires of Jerramungup, Gnowangerup, Ravensthorpe, Katanning and Kent in south east Western Australia. The project examined the need for one or more regional landfills and prepared a business case for the preferred option. GHD modelled waste flows for each of the 14 landfills and transfer stations in operation in the five councils and undertook significant cost modelling. GHD also prepared a pricing structure model and developed recommendations for regional pricing of waste charges and transfer station and landfill gate fees using a whole of life cost approach.



Shellharbour Waste Management Strategy Review and Update – Shellharbour City Council, New South Wales (2010)

GHD completed a review and update to the Shellharbour City Council Waste Management Strategy. The project involved preparation of a new strategy taking into consideration the diminishing landfill capacity, evolving State and Federal policy on waste management and other internal and external drivers. Tasks include investigation and assessment of the current position, identification of the 'desired position', evaluation of strategic gaps, and identification of strategies and actions appropriate for Council and compatible with the requirements of DECCW's Strategic Waste Action Plan Tool.





Strategic Waste Assessment – City of Rockingham, Western Australia (2011)

GHD undertook a strategic waste assessment for the City of Rockingham in Western Australia, the aim of which was to create a five year waste management strategy (with a twenty year vision) for the City's municipal waste management service. Tasks performed during this comprehensive project included; consultation, assessment of waste and landfill systems, operations and resources, landfill customer survey, waste data analysis, preparation of financial model to determine pricing structure and examination of waste technologies and recommendations for an integrated waste handling and processing system



Cooma Waste Management Strategy – Cooma-Monaro Shire Council New South Wales (2010)

GHD was engaged to prepare a waste management strategy for Cooma-Monaro Shire and update the Landfill Environmental Management Plan. The waste management strategy was developed to identify, investigate and document plans for the long term management of the Shire's waste (with development of a future landfill site, with a minimum of daily cover material and implementation of a food and garden organics processing operation and associated kerbside collection service), improve resource recovery and implement improved procedures for current operations to ensure compliance with licence conditions.



Five Year Waste Management Strategy – Lane Cove Municipal Council Lane Cove, New South Wales (2008)

GHD prepared a five year waste management strategy for the Lane Cove local government area in Sydney. The project included assessment (considering potential financial, social and environmental impacts) of existing waste management services and practices, identification of and comparison with best practice systems, community consultation, development of options and a strategy for improving waste management within the LGA. GHD managed the whole project using in-house staff and an external consultant for community consultation.

To talk strategic waste management and your project, contact:

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