

ENERGY FROM WASTE

Our company

Zephyr Environmental (Zephyr), is a boutique environmental consulting practice specialising in air quality and carbon management. We aim to form enduring and trust-based relationships with our clients to help them solve their most challenging environmental problems.

Our decentralised and agile structure enables us to handle the most complex assignments while remaining small enough to prioritise excellence in delivery while minimising business disruption for our clients. Our value lies in de-risking projects and providing trusted expert advice.

Our core value is 'We are a breath of fresh air, to our clients and our people.' This is more than just a tagline; we strive to ensure that our clients have a significantly different, positive experience when working with us.



We strive to deliver practical, defensible advice that de-risks operations to ensure good environmental outcomes.

Services we provide:



Meteorological modelling



Air quality monitoring programs



Odour & dust management



Regional airshed management



Environmental & GHG audit / assurance



Air emissions management



Carbon mitigation & management



Data analysis & interpretation



Atmospheric dispersion modelling



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Zephyr Environmental



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Flagship Energy from Waste Projects



Parkes Energy Recovery Project, Parkes

Zephyr is supporting the EIS with specialist air quality assistance for the proposed WtE facility within the Parkes Special Activation Precinct (SAP). This includes emissions estimation, meteorological and dispersion modelling, preparation of inputs for the Human Health Risk Assessment. Zephyr has also been responsible for baseline air quality and meteorological monitoring for the project location.

TNG Energy from Waste, Eastern Creek

Responsibility for the delivery of the specialist local air quality, odour, greenhouse gas and regional (ozone) assessments for this novel application. Completion of the first extensive photochemical assessment to be conducted for a major new combustion source (Energy from Waste facility) in the Sydney basin in the past decade. Technical air quality assessment of multiple pollutants including input to the Human Health Risk Assessment.

Re Group / Energy Australia Mount Piper Energy Recovery Project

Detailed discussions with EPA on the assessment requirements for the Mount Piper Energy Recovery Project. Atmospheric dispersion modelling of cumulative impacts from the existing coal-fired power station and the energy recovery facility and presentation of results to the NSW Department of Planning and EPA.

Maryvale WtE Facility

Provision of an expert witness statement on the proposed Waste to Energy facility at Australian Paper's facility at Maryvale. The assessment included dispersion modelling using the AERMOD and CALPUFF models for cumulative impacts from the Australian Paper facility and the proposed WtE facility. Case settled before proceeding to VCAT.



If these case studies — or any of the other services we offer — sound like they could add value, please don't hesitate to reach out. Our team is always ready to discuss your goals, answer any questions, and explore how we can best support your success.

Get in touch with our team at:



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