

## Maryvale Energy from Waste Project Update

December 2024

### Latrobe City Council announces municipal waste to fuel local economy

Latrobe City Council has resolved to send its municipal waste to the Maryvale Energy from Waste facility when built.

Mayor of Latrobe City Council, Councillor Darren Howe, said the Energy from Waste facility is a step in the right direction towards a new energy future for Latrobe City.

“Latrobe City Council is committed to supporting a range of innovative and sustainable industries in the region, which will contribute towards a resilient local economy and a vibrant community,” said the Mayor. “Council welcomes Opal’s commitment to the region, through this innovative new energy industry which has been awarded the first Energy from Waste licence from Recycling Victoria under the state’s Waste to Energy Scheme.”

### Maryvale Energy from Waste project wins multi-council waste tenders

In total, more than a dozen forward-thinking Victorian councils have now committed their non-recyclable household waste to the Maryvale Energy from Waste (EfW) project, which is the most progressed of its kind in Victoria, to help divert it from landfill.

The project consortium, made up of Veolia ANZ, Masdar Tribe Australia and Opal, recently secured a waste supply agreement with nine additional Melbourne councils made up of Bayside City Council, Cardinia Shire Council, City of Casey, City of Greater Dandenong, Frankston City Council, Kingston City Council, Knox City Council, Whitehorse City Council and Yarra Ranges Shire Council (SEMAWP), that join Maroondah City Council, which has previously signed an agreement, while another two councils are progressing agreements.

The project consortium is excited to have won the waste tenders, stating it is a testament to their commitment to moving to a more sustainable waste management solution, compared to landfill.



### Supporting Victoria's circular economy

In line with the circular economy, the Maryvale EfW project is focused on maximising recovery of by-products created during the energy generating process and identifying value-added ways to recycle and re-use these. Using world leading technology, by-products will be converted into aggregates for use in construction. Over 10,000 tonnes of metals that would otherwise be buried in landfill will be recovered per year. This includes metals such as steel, copper, brass, aluminium and others. By doing so, the facility will target more than 99 per cent diversion of residual waste from landfill.



## Maryvale EfW 2024 status

	Milestone	Key Tasks	
1	SITE	<ul style="list-style-type: none"> <li>Maryvale Mill zoned as Industrial 2 (IN2Z).</li> <li>Four sites risk assessed to identify most appropriate site.</li> <li>Selection based on logistics and area without prior structures.</li> </ul>	✓
2	TECHNOLOGY	<ul style="list-style-type: none"> <li>Assessment of capability and demonstrated reliability.</li> <li>Moving Grate combustion with semi-dry flue gas treatment.</li> </ul>	✓
3	APPROVALS	<ul style="list-style-type: none"> <li>Latrobe City Council Planning approval.</li> <li>EPA Victoria Development Licence approval (Amended).</li> <li>Recycling Victoria EfW Licence approval.</li> </ul>	✓
4	FUEL	<ul style="list-style-type: none"> <li>Secure 65% or more waste to support business case for investors and lenders.</li> <li><b>SEMAWP waste supply now achieves ~75% for 2 Lines.</b></li> </ul>	✓
5	RESIDUE TREATMENT	<ul style="list-style-type: none"> <li>Bottom Ash treatment to produce recycled aggregates and recover metals.</li> <li>Flue Gas Treatment Residue treatment to create carbon negative Manufactured Limestone.</li> </ul>	✓
6	CONSTRUCTOR	<ul style="list-style-type: none"> <li>Construction cost estimate provided and under review.</li> <li>External specialist engineering consulting firm engaged to support.</li> </ul>	In Progress
7	FINANCING	<ul style="list-style-type: none"> <li>Complete final business case including construction cost.</li> <li>Consortium partners complete their assessment to enable the Final Investment Decision to be taken.</li> </ul>	Ready



This image provides an overview of the proposed design of the EfW facility.

### The Maryvale EfW 2 boiler line project will:

Support over 1,000 Victorian jobs during construction.

Contribute approximately \$96 million annually to Latrobe Valley's economy.

Once operational, the facility will support 900 Victorian jobs including flow-on.

Diverting waste from landfill will reduce greenhouse gas emissions by approximately 540,000 tonnes CO2-e annually, equivalent to removing 100,000 cars from the road per year.

### If you are interested in learning more, please contact us at:

The Creating Energy from Waste Information Centre, 1 Monash Way, Morwell, opens every Tuesday 10am – 3pm  
(Christmas Closure 23 December 2024 to 3 January 2025)

email: [creatingenergy@opalan.com](mailto:creatingenergy@opalan.com)

Visit: <https://opalan.com/future/energy-from-waste/>