

Visual amenity

To help achieve our purpose: create a world without waste to preserve our planet, Sims Resource Renewal is aiming to build several resource renewal facilities globally by 2030. We are proposing the first resource renewal facility will be located at 1904 Hume Highway, Campbellfield, Victoria. The proposed facility will be our first step in eliminating approximately one million tonnes of waste to landfill. Our aim is to transform the waste material into useful products for society.

We will use plasma gasification to transform automotive shredder residue (ASR), left over once we have removed as much metal as possible as part of our metal recycling process, into a synthesis gas (syngas). The syngas is then further processed to produce products including hydrogen, carbon dioxide and a glass like vitrified product. Hydrogen and carbon dioxide will be captured and on-sold from day one.

Overview

Our proposed Sims Resource Renewal facility at Campbellfield will include office and administration buildings that will be designed in a manner in line with modern design and architectural standards. The buildings will also incorporate sustainable features while ensuring a seamless integration with the surrounding area.

Assessment

A visual impact assessment has been undertaken to consider the proposed site features. In the absence of Victorian guidance specific to industrial applications, the visual impact assessment is using best practice guidance from other industries.

Our assessment looked at 'the degree of visual impact in relation to the extent of the change to the landscape caused by the proposed development'. We took into account the overall visibility of the development and the significance of the landscape and proximity to sensitive areas, among others factors.

The assessment considered visually significant infrastructure - infrastructure that has sufficient scale to potentially meaningfully alter the landscape character to an observer.

The five tallest and visually significant elements of the process identified for assessment will be the boiler stack, gasification point, ground flare oxygen plant and gas clean up plant. Other elements of the proposed development, such as the offices, and landscaped areas, are likely to improve the visual amenity.

The theoretical zone of visual influence from the identified structurally significant infrastructure will be assessed, to understand where there may be visible to a human receptor standing on the ground. Views to the north, east, south and west will be assessed at a range of distances from the proposed facility.

The visual impact assessment will be incorporated into the Planning Permit application submitted to Hume City Council.



Massing for the proposed Campbellfield Resource Renewal facility.

Key findings

The site is separated from potentially sensitive visual receptors. The closest residential area (Barry Road) is approximately 800m away and the closest green space area is approximately 1 km away.

The design of the site layout has included locating the more visually obtrusive elements at the eastern end of the site, allowing the office buildings and landscaping to shield views from the west.

Preliminary findings indicate that the proposed facility will not result in a significant change to the visual amenity of the landscape. The visually significant proposal elements will be

largely shielded but somewhat visible from various locations nearby to the site. Any views visible from this area are not anticipated to have a high degree of visual impact. This is due to the nature of land use as the proposed facility will be viewed from a highly modified industrial landscape and will not result in a significant change to the visual amenity of the landscape.

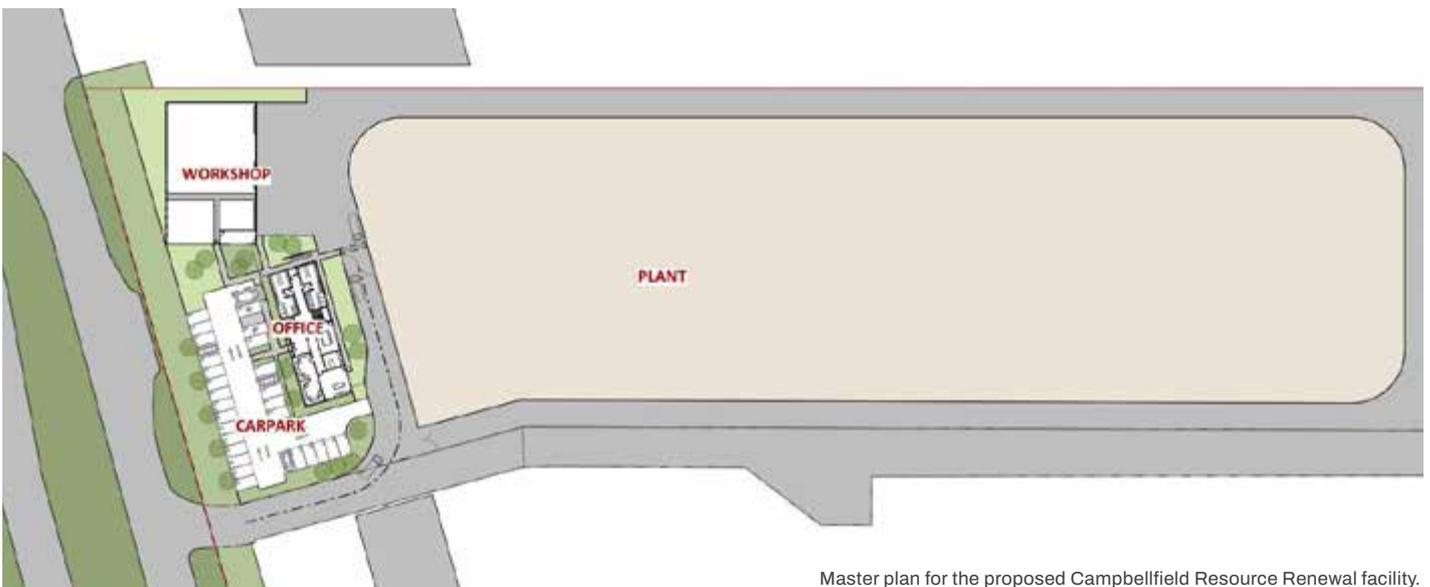
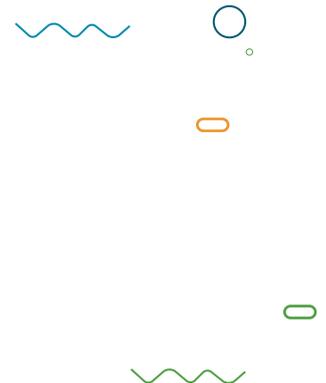
It is considered that the presence of the Proposal will have a Low to Negligible visual impact on the surrounding area. The design of the landscape site frontage, offices and workshop is anticipated to improve the localised visual amenity of the existing streetscape.

Next steps

We will continue to work with the Hume City Council and EPA Victoria throughout project design and construction to ensure visual impacts to surrounding sensitive receptors are minimised to as low as reasonably practicable.



Massing for the proposed Campbellfield Resource Renewal facility.



Master plan for the proposed Campbellfield Resource Renewal facility.