

Community update

December 2022

## Powerhouse Parramatta | December

Powerhouse Parramatta is the largest investment in cultural infrastructure since the Sydney Opera House, and the first major NSW cultural institution to be established in Western Sydney. Lendlease is responsible for the detailed design and construction of Powerhouse Parramatta.

Welcome to the construction update issued every two months to keep you informed of progress onsite and showcase key milestones.

### Key construction activities in November

#### St George's Terrace

Installation of ground slabs and temporary propping has enabled partial demolition of St George's Terrace, leaving the southern façade and sides in place. The restored building will be integrated into the new museum and used as a multipurpose space, retaining key heritage elements in accordance with the approved design.

Image (above right): St George's Terrace façade

#### Jump form

The jump form for Core 2 has advanced, completing its second pour for Building B.

Building A is progressing on the Core 1 jump form. Completion of the kickers (or concrete 'step') is forecast mid-December.

Image (below right): Building B, Core 2 Jump form

#### Tower crane 2

The second of three tower cranes has been installed and commissioned to assist with the movement of heavy materials around site. This crane is around 100 metres in height.

The final crane will be installed across December – January and is a Favelle Favco M2480D – the world's largest luffing crane.



### Over the holiday break

The project site will be shut down from Friday 23 December 2022 to Tuesday 3 January 2023 (inclusive).

Should you need to contact the project team during this time, the 24-hour contact phone number is 1800 574 931. Please note the Project InBox will be monitored intermittently.

## News and events

### Australian first in unlocking fossil fuel-free construction

The Powerhouse Parramatta project are using the first ever cranes in Australia to be powered by 100 per cent renewable diesel marking a critical transition towards fossil fuel-free construction.

Renewable diesel (HVO100) is a sustainable alternative to fossil fuels that are commonly used in the road transport, construction and other sectors. Made from animal fats, vegetable oils and agricultural waste, renewable diesel is chemically identical to conventional diesel and can be used without machinery needing any modification.

Using renewable diesel to power tower cranes on site will reduce greenhouse gas emissions from crane operations by up to 90 per cent over the life cycle of the fuel compared to mineral diesel.

Image (right): HVO100 to go into the tower cranes



*Did you know? Construction emissions contribute 23 per cent of global greenhouse gas emissions and about 5.5 per cent of these emissions are directly caused by construction machinery and equipment powered by fossil fuel.*

### Powerhouse launches Climate Action Plan

The Climate Action Plan is the museum's first and embeds *Caring for Country Principles* developed by First Nations communities as its foundation. By 2025 the Powerhouse will achieve net zero operations, establishing the Powerhouse as an international leader in sustainable museum practices, creating a contemporary institution that is resilient, sustainable and a positive contributor to the world.

### Exoskeleton prototype review

Architects Hiroko Kusunoki, Nicolas Moreau (Moreau and Kusunoki), Steve Toia (Genton), a representative of the Design Integrity Panel and the project team recently reviewed the prototype of Powerhouse Parramatta's exterior structural frame, known as the exoskeleton, as well as the proposed glazed facade.

At approximately 7m high x 4m wide x 5m deep, review of the prototype is a key process to finalise the design development to be incorporated into the completed exoskeleton and the façade.

## Managing construction activities

We are committed to minimising the impact of our works where we can.

All construction activities are carried out with the health and safety of the local community as our top priority, and in accordance with the approved construction management plans.

We endeavour to keep noise, dust and vibration to a minimum. Thank you for your patience while we progress this important work.

### Upcoming construction activities: December - January

- Water main connection in Phillip Street
- Tower crane 3 install
- Jump form - oversized deliveries
- Structural steel - oversized deliveries

## Moving to digital




As part of our commitment to sustainability, we are moving to a 'digital first' communications approach. [Sign up to receive the latest project updates online](#)

If you prefer to receive hard copy updates, please contact us with your name and street address.

## More information

We are committed to keeping you informed and regular updates will be provided.

Contact us for construction related questions, feedback or complaints:

 1800 574 931  [powerhouse@lendlease.com](mailto:powerhouse@lendlease.com)  [insw.com/powerhouseparramatta](http://insw.com/powerhouseparramatta)

If you need an interpreter, please call TIS National on 131 450 and ask them to call Infrastructure NSW on 1800 931 109. Our business hours are 8am – 5pm.