

An artist's impression of St Marys metro station.

Final major contract awarded as the project takes off towards a cleaner and greener future

Major project milestone reached

New fast, easy and reliable metro rail services for Greater Western Sydney are one step closer after the contract was awarded as the third and final major package for the 23-kilometres Sydney Metro–Western Sydney Airport line. Parklife Metro consortium will deliver the Stations, Systems, Trains, Operations and Maintenance (SSTOM) contract, which is being delivered under an innovative Public Private Partnership (PPP) model.

The contract includes six new stations between St Marys and the new Aerotropolis, 12 new metro trains, core rail systems and the stabling and maintenance facility to be built at Orchard Hills.

Parklife Metro will also operate and maintain the Sydney Metro–Western Sydney Airport line for 15 years after it becomes operational.

The SSTOM contract has the largest scope of any Sydney Metro contract awarded to date and is the largest PPP contract awarded in New South Wales.

Sydney Metro–Western Sydney Airport project will become the first rail infrastructure project in Australian history to commit to being certified carbon neutral from the start of construction, all the way through to operations. All carbon emissions generated during construction and operation will be reduced and offset.

Sydney Metro is Australia's biggest public transport project, transforming Sydney with a world-class metro. Sydney Metro–Western Sydney Airport is the new metro railway line which will service Greater Western Sydney, connecting the Western Sydney Aerotropolis and the new Western Sydney International (Nancy-Bird Walton) Airport with St Marys and the existing Sydney Trains suburban T1 Western Line.

The new metro service will become the transport spine for the region's growth for generations to come, with six stations to be built along the alignment at St Marys, Orchard Hills, Luddenham, Airport Business Park, Airport Terminal and the Aerotropolis. Sydney Metro–Western Sydney Airport will connect Western Sydney to greater job opportunities, health and education services, and leisure activities. With fast, frequent services and driverless trains like the rest of the Sydney Metro system—customers won't need a timetable, they'll just turn up and go. Passengers will be able to travel from the Airport terminal and St Marys in 15 minutes and the length of the alignment in 20 minutes.

The Australian and NSW governments have a shared objective of having Sydney Metro–Western Sydney Airport operational when Western Sydney International (Nancy-Bird Walton) Airport opens for passenger services.



An artist's impression of Orchard Hills Metro Station.

The year ahead

Station Boxes and Tunnelling (SBT)

In exciting news, tunnelling contractors CPB Contractors Gella Joint Venture (CPBG) will have the first tunnel boring machines in the ground in early 2023. Two tunnel boring machines (TBMs) will launch from the Orchard Hills Station site and carve out the 4.3-kilometre tunnels north via Claremont Meadows to the St Marys Metro Station site. Another two TBMs will build the 5.5-kilometre tunnels between the Airport Business Park Station, Airport Terminal Station and the Aerotropolis Station sites.

The first two TBMs will arrive in early January 2023, with the remaining TBMs to arrive in February 2023. Like all other Sydney Metro projects, the southern tunnel on this project will use double shield TBMs which are designed to tunnel through shale and hard rock like Sydney sandstone. The ground conditions on the northern tunnel are somewhat different, so new earth pressure balance machines have been sourced for the job, making this the first Sydney Metro project to use this type of TBM.

As the TBMs tunnel through the ground, pre-cast concrete segments are then positioned to line the tunnel. On this project, 69,000 pre-cast tunnel segments will be used to reinforce and finish the tunnels.

Surface and Civil Alignment Works (SCAW)

CPB Contractors and United Infrastructure (CPBUI) Joint Venture have been awarded the \$538.5 million contract to deliver approximately 10.4 kilometres of surface and civil works. United Infrastructure (UI) is a joint venture between three local Western Sydney companies – Burton Contractors, JK Williams Contracting and Mulgoa Quarries.

Work will ramp up in 2023, as 50 new jobs, including apprentices and trainees, will be created to support CPBUI in the construction of the new metro rail line. The project will also source a minimum of 50 per cent Australian steel, including concrete reinforcement which will be a further boost to jobs in Australia.

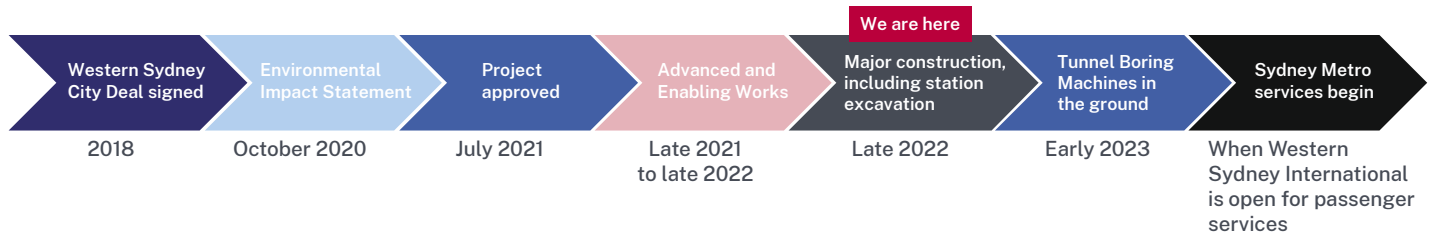
The contract includes construction of 3.5 kilometres of elevated viaducts at Orchard Hills and Luddenham; 6.9 kilometres of earthworks for track formation; a 205-metre rail bridge over the new M12 motorway and a 20-metre bridge within the airport and associated infrastructure. Preliminary works have recently commenced including site investigations, fencing and site compound earthworks at Orchard Hills and Luddenham.

What's planned next?

The project team is planning to carry out the following activities early in 2023:

- piling works at the M12 bridge work site
- earthworks and piling construction commence along the alignment
- carrying out fencing works along the alignment
- completion of the main compound in Elizabeth Drive early in January 2023.

Project timeline



Key features



A new transport spine for Greater Western Sydney, connecting residents to greater job opportunities, health and education services, and leisure activities.



A fast, frequent connection between the new Western Sydney International (Nancy-Bird Walton) Airport and the existing Sydney Trains network at St Marys.



A city-shaping mass transit investment that will support the development of the Western Sydney Aerotropolis, a new centre of innovation, research and productivity that will attract jobs and investment to the region.



Creation of integrated stations and surrounding precincts, delivering vibrant places that include a range of community facilities.

A new building for the Sydney Metro Airport team is one step closer in St Marys!

The Sydney Metro-Western Sydney Airport team have awarded a contract to Built to start work on a dedicated site project office (SPO) to be based in Harris Street, St Marys. Up to 200 people working on the Stations, System, Trains, Operations and Maintenance (SSTOM) contract will be based in the Harris Street office, providing an economic boost to the surrounding St Marys businesses.

The building will be designed and constructed in accordance with the requirements for a 5-star Green Star Buildings rating. The four-storey commercial office building will be constructed using Built's Design for Manufacture and Assembly (DfMA) modular construction methodology. The built form will use timber as the dominant structural and architectural feature, resulting in a reduction in concrete, steel, and plasterboard compared to a conventional build.

Construction of the SPO will begin early in the new year, and the building will be operational towards the latter half of 2023.

The SPO building has been designed to maximise the opportunity to disassemble and reassemble on another site. This provides opportunities for reuse on future Sydney Metro or Transport for NSW projects.

The building will be designed and constructed in accordance with the requirements for a 5-star Green Star Buildings rating.

Fun fact

The Sydney Metro – Western Sydney Airport project will be net carbon zero

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All carbon emissions generated during construction and operation will be reduced and offset.



The Sydney Metro – Western Sydney Airport project will be net carbon zero.

Construction hours

Work on the Sydney Metro–Western Sydney Airport metro station sites will generally be undertaken during construction hours: Monday to Friday, 7am to 6pm and Saturday, 8am to 6pm. These hours are dependent on public health order advice and are subject to change. Work may be required outside of standard construction hours to ensure the safety of workers and the community. Businesses and residents will be notified in advance of any out-of-hours work.

Minimising traffic impacts

Traffic, pedestrian and cycle routes will be managed to minimise disruption and congestion around the construction sites. Traffic management plans for each area will be developed in close consultation with local councils and traffic authorities. We have planned our haulage routes to minimise the use of local roads and potential interfaces with pedestrians, cyclists and road users as much as possible. Some sites will require temporary changes to the road network and bus stops. We will inform the local community before these works take place.

Working with other projects

Sydney Metro recognises there are a number of major infrastructure projects underway and planned in Greater Western Sydney. These projects will support growth and underpin the development of key precincts in the Western Parkland City. Sydney Metro is working closely with local councils, Australian and NSW Government agencies and stakeholders to coordinate construction programs and, where possible, integrate work to minimise impacts on the community. We're doing this by combining project information across agencies to give residents the full picture of what's happening locally and working together to coordinate construction programs and traffic arrangements.



St Marys Place Manager, Chanelle Boustani.

Introducing our St Marys Place Manager

Our dedicated community Place Manager for St Marys is Chanelle Boustani. Having worked in infrastructure delivery on other major projects in Sydney, Chanelle is experienced at managing community and stakeholder questions and enquiries. She is your main point of contact at St Marys for the Sydney Metro project. Chanelle is an avid traveller and enjoys exploring new cities.

If you'd like to receive our community notifications and project updates by email, please reach out to sydneymetrowsa@transport.nsw.gov.au to be added to the distribution list. Our community information line 1800 717 703 is open 24 hours.

Out and about

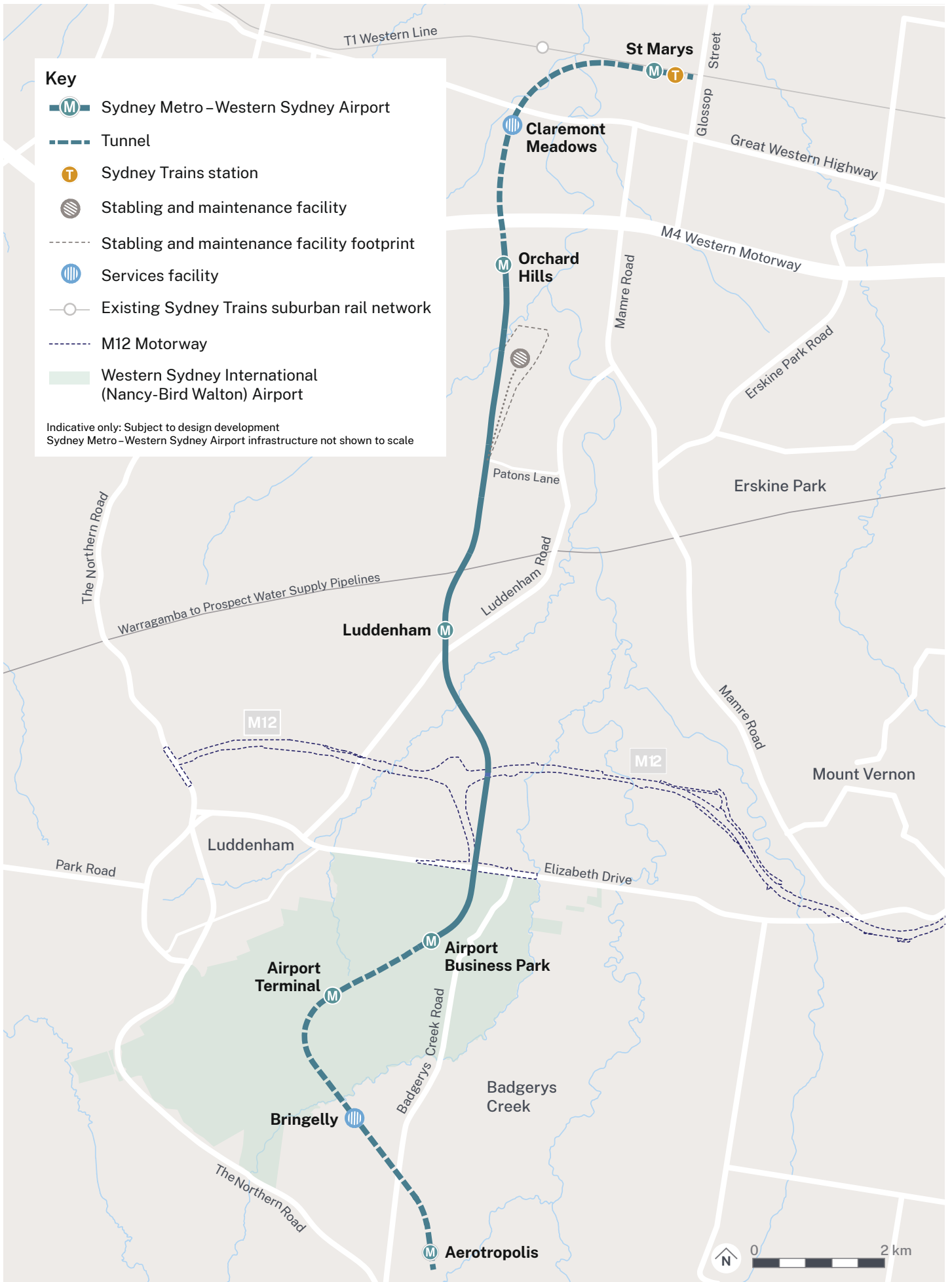
Our Sydney Metro–Western Sydney Airport Community and Engagement Team has been out and about this year engaging with the Greater Western Sydney community and stakeholders. We've been attending open days, shows, festivals, events and community forums, talking to a range of stakeholders from St Marys through to the Aerotropolis.

These forums are a great opportunity to hear directly from our communities on what matters most to them and address any questions or issues they may have. We're looking forward to attending the Hawkesbury Show (April 2023) next year.

Come and see us at the show next year, to learn more about the Sydney Metro–Western Sydney Airport project. This is a great opportunity for people to have their questions answered and learn about how Sydney Metro will benefit communities along the alignment.



The Sydney Metro–Western Sydney Airport team at the St Marys Festival.



Sydney Metro – Western Sydney Airport alignment.

Interfacing projects in Greater Western Sydney

There are a number of major infrastructure projects underway and planned in Greater Western Sydney. These projects will support growth and underpin the development of key precincts in the Western Parkland City. We are coordinating how we communicate with the local community to ensure residents and businesses understand who is carrying out the work and who to contact with any enquiries or complaints. If you have any questions or need to contact a particular project, use the reference below for the right project contact details.

Western Sydney Airport

T: 1800 972 972
E: info@wsaco.com.au
W: westernsydney.com.au
Western Sydney International Experience Centre,
100 Eaton Rd Luddenham NSW 2745

Transport for NSW – M12 Motorway

T: 1800 517 155
E: m12motorway@transport.nsw.gov.au
W: nswroads.work/m12

Sydney Water

T: 1800 238 881
E: uppersouthcreek@sydneywater.com.au

Department of Planning and Environment

T: 1300 420 596 (between 9am–5pm, Monday–Friday)
and ask for the Western Sydney Aerotropolis team
E: aerotropolis@dpie.nsw.gov.au
W: planning.nsw.gov.au

Western Parkland City Authority – Aerotropolis

T: 1800 312 999
E: hello@wpca.sydney
W: wpca.sydney

Transport for NSW – roads and car park projects

T: 1800 684 490
1800 775 465 (emergency 24/7)
E: projects@transport.nsw.gov.au
W: transport.nsw.gov.au/projects

Want to stay up to date?

Sydney Metro is committed to keeping you informed about construction impacts and progress. At times the project would also like to contact you directly, so your feedback can help us decide the best ways to reduce impacts on our neighbours.

You can choose to be added to our email and/or SMS distribution lists or receive updates in your letterbox.



Scan the QR code to subscribe for project updates.

Have your say

If you have any questions or would like more information please contact our project team:

1800 717 703 Community infoline open 24 hours
sydneymetrowsa@transport.nsw.gov.au

Sydney Metro – Western Sydney Airport
PO Box K659, Haymarket NSW 1240



Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 717 703.