

Transport  
for NSW

# Regional Rail

May 2024

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Regional Rail fleet – artist's impression only

We are replacing the ageing NSW regional rail fleet of XPT, XPLOER and Endeavour trains. To support the new fleet, a purpose-built maintenance centre, named Mindyarra Maintenance Centre, has been built in Dubbo.

## Regional Rail fleet

The new trains will provide improved safety, accessibility, facilities and reliability for customers who travel from many NSW regional centres to Sydney, as well as Canberra, Melbourne and Brisbane.

Production of the new **29**-train fleet is underway and will include:

- 117 new carriages forming **10 regional intercity**, **9 short regional** and **10 long regional** trains.
- Directional seating, charging points for mobile devices, enclosed overhead luggage storage, digital screens and announcements, and improved accessibility.
- Bi-mode technology, significantly reducing carbon emissions, compared to the current regional fleet.



For more information call 1800 684 490

Email [projects@transport.nsw.gov.au](mailto:projects@transport.nsw.gov.au)

Or visit [transport.nsw.gov.au/projects/current-projects/regional-rail](https://transport.nsw.gov.au/projects/current-projects/regional-rail)



## Benefits of bi-mode

The Regional Rail fleet will be the first trains in Australia to use bi-mode technology.

Bi-mode is a diesel-electric hybrid which will allow the fleet to run on overhead power when operating on the electrified train network. When operating outside of the electrified network, the train uses on-board diesel generators to generate its own power.

Operating the trains in a bi-mode configuration will:



Reduce carbon emissions by around

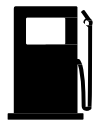
**540 tonnes annually**

This is equivalent to a vehicle traveling Australia's perimeter 83 times



Reduce diesel pollution by around

**3 tonnes annually**



Save over

**\$2 million**

on diesel fuel costs annually



Create a

**quieter journey**

when traveling on the electrified network

*Statistical information is based on train concept design and subject to change.*



## Accessibility features of the new fleet

The new regional fleet has been designed to be as accessible and inclusive as possible for all of our customers.

All trains will have:

- Single deck carriages
- Accessible spaces with tray tables
- Priority seats
- Accessible toilets
- Wider doors than the current fleet
- Real time, internal and external visual displays and announcements
- Hearing augmentation in all passenger areas

## Mindyarra Maintenance Centre

A new train maintenance centre has been built in Dubbo to stimulate the regional economy and help create sustainable employment opportunities.

Train completion work, including testing and commissioning, is currently underway at the Mindyarra Maintenance Centre.



Installation of solar panels on the roof of the Mindyarra Maintenance Centre

## Naming of the maintenance centre

The word Mindyarra - pronounced Min-Dga-Rra - is a Wiradjuri word, meaning to fix or repair.

It was chosen in collaboration with representatives from local Aboriginal organisations and the Regional Rail Project Aboriginal Working Group to represent the literal work that is occurring at the new maintenance facility and the work that Transport for NSW is doing to support reconciliation.



View of track looking west from the Mindyarra Maintenance Centre, February 2024

## Sustainability at the Mindyarra Maintenance Centre

The Mindyarra Maintenance Centre was designed to have minimal environmental impact during its operation, contributing to the NSW Government's long-term target of net-zero emissions by 2050 and maximising social and economic benefits to communities.

Mindyarra Maintenance Centre:

- Generates at least **95%** of its low voltage power needs from onsite solar technology
- Uses around **9,000m<sup>3</sup>** of carbon-neutral concrete to reduce and offset carbon dioxide equivalent emissions by **5,000 tonnes**. This is equivalent to taking over **920** cars off the road for a year.
- Uses captured rainwater, bore water and recycled water wherever possible.

## Jobs, Skills and Industry Participation

The Regional Rail Project is committed to delivering sustainable regional jobs, comprising of a diverse workforce. This includes Aboriginal participation, women in non-traditional trades and young people under 25 years of age.

With an estimated 200 jobs required during construction, and 50 ongoing jobs during the maintenance phase, the project provides opportunities for long term employment as well as skills development. The development of transferable skills from one project phase to another, and onto other projects in the region, can support long term job prospects for regionally-based people.

The Regional Rail Project focuses on building the capability of regionally based people and small to medium enterprises, with initiatives including:

- industry briefings
- tender writing workshops
- Business Support Catalogue, which provides information on programs, grants and general support for businesses
- Pre-Employment Programs, which focus on skills development, training, and qualifications for people in the Dubbo area, along with providing employment opportunities in the infrastructure industry.



Pre-Employment Program participants

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Transport for NSW is delivering the Regional Rail Project.  
NSW TrainLink will operate the new trains as they come into service.