

New Generation Rollingstock project

Project fact sheet

January 2014



Artist's impression of NGR train

About the project

The Queensland Government has identified the need to upgrade and increase the existing train fleet in South East Queensland. The New Generation Rollingstock (NGR) project represents a significant investment in trains and will support the government's long-term commitment to public transport.

The \$4.4 billion NGR project involves:

- purchasing 75 new six-car electric trains
- maintaining these trains for approximately 30 years
- constructing a modern, purpose-built maintenance centre at Wulkuraka at Ipswich.

The project will see a significant growth in rail fleet to replace ageing trains and supply more services to commuters. The purchase of 75 new six-car trains represents a net increase of 177 rail cars for the CityTrain network. The project will increase the rail fleet by 30 per cent, to cater for service growth and to maximise the capacity of the existing network.

Eventually, NGR trains will operate on all lines, with a mix of existing and NGR fleet. Once all trains are delivered, NGR trains will comprise 55 per cent of trains operating on the CityTrain passenger network.

The first trains will be in service by mid-2016, with all 75 trains delivered and in service by December 2018.

Project delivery

The Queensland Government has awarded the contract for the NGR project to the Bombardier NGR Consortium. The consortium comprises Bombardier Transportation, John Laing, ITOCHU Corporation and Uberior. The consortium is responsible for the delivery of the new trains and for maintenance over the 32 year contract period.

The project is being delivered under an availability payment Public Private Partnership (PPP), which means that the Bombardier NGR Consortium must meet set targets to receive payment. The use of a PPP model for funding and implementation of the project has provided cost savings, better risk sharing and provides greater certainty about delivery timeframes.

NGR trains

Commuters will benefit from safer, modern and efficient trains, with less overcrowding, and improved comfort and travel times.

NGR trains will service all lines in South East Queensland, and will be suitable for use in the proposed Brisbane Underground Bus and Train tunnel.

The coupled trains will allow access between all six carriages, enabling passengers to travel through from one end of the train to the other and all NGR trains will be equipped with toilet facilities and WiFi.

Trains will be designed with additional safety features to meet the requirements of tunnel travel. The carriages will be flexible to adapt to future needs, to enable longer train sets in future if required. NGR trains will be designed to enable them to be retrofitted in future to accommodate new safety features.

NGR maintenance centre

A significant expansion of the rail fleet to deliver modern, efficient rollingstock requires a new purpose-built maintenance centre.

Following an extensive assessment of 72 sites against operational and environmental criteria, the site at 1 Ada Street, Wulkuraka was assessed as most suitable. Further information about the selection process is available on the project website.

The maintenance centre will service the new NGR trains only and will not be servicing diesel or other electric locomotives or wagons.

Key components of the NGR maintenance centre will include:

- utility services
- site track work, including holding roads for trains, hand-over roads and maintenance roads
- signalling and yard control overhead traction power for trains
- maintenance building with underfloor access for wheel lathe
- train cleaning and decant facility
- storage areas
- administration office with training/meeting rooms and amenities areas
- car parking, roads and pedestrian walkways
- fencing, lighting and security
- landscaping

- temporary on-site office during construction
- permanent on-site office areas.

Around 150 full-time ongoing new maintenance staff will be employed at the maintenance centre during the operation period. It is anticipated that there will be no more than 100 operational staff on site at any one time. While the maintenance centre will have a 24 hour, 7 day a week operational capability, it may not necessarily operate at these times.

It is also anticipated that traffic travels on local streets surrounding will not increase and only minor traffic increases will be experienced to Toongarra Road and the Warrego Highway.

Site access for construction and operation will be via Dixon Street West.

Preliminary site work has commenced, with construction to commence in early 2014. The maintenance centre will be commissioned by June 2016, in time for first NGR services in June 2016.

Information will be provided to the local community about the design, construction and operation of the centre.

For further information

Further information on the project, including the fly-through is available on the project website www.tmr.qld.gov.au/ngr.

Free call: 1800 478 238* The project team is available to answer your questions from 9am to 4pm, Monday to Friday (excluding public holidays).

Email: ngr@tmr.qld.gov.au

Visit: www.tmr.qld.gov.au/ngr

**Free call from anywhere in Australia. Call charges apply from mobile phones and payphones.*



Artist's impression of the NGR maintenance centre at Wulkuraka