

A vision for Canberra

Building a sustainable city



Capital**Metro**



What is light rail?

- Modern, efficient and highly effective public transport
- Integrates into urban areas
- Low floor
- Energy efficient
- Smooth, stable and highly reliable transport
- High capacity, can carry 200-300 passengers
- Used in over 400 cities worldwide



ACT
Government

CapitalMetro

Light rail trend in Australia

- Gold Coast
- Newcastle
- Sydney
- Canberra
- Melbourne
- Adelaide
- Perth
- Darwin
- Sunshine Coast
- Western Sydney
- Hobart



ACT
Government

CapitalMetro

Benefits of light rail

Light rail will:

Create jobs

- Sydney light rail investment will create 10,000 jobs.



- Gold Coast Light Rail created 6,500 jobs

Encourage investment

- Capital Metro has already attracted significant investor interest in Australia and overseas.



Revitalise the city

- Light rail will attract people and business to the city making Canberra a more vibrant, liveable and sustainable city.



Increase accessibility and connectivity

Stage 1 of Capital Metro will link the City to the rapidly developing suburbs of the north and Dickson Town Centre.



Encourage a more active lifestyle

- Research shows people will walk up to 1.0 km for light rail, a much higher distance than for buses where people will walk on average 400 metres.



Provide a reliable, frequent and well integrated transport system

- 97 per cent of light rail services run on time



Encourage smarter land use

- The ACT population is projected to reach 500,000 by the 2050s, much of that growth can be absorbed through smarter land use along the corridor, allowing Canberra to develop as a more compact and efficient city.



Reduce congestion

- Canberra congestion costs are predicted to reach \$200 million per annum by 2020, and 82 per cent increase from \$110 million in 2005.



Reduce pollution

- A single light rail vehicle can carry up to 300 people, reducing car use and vehicle emissions.



Reduced congestion



ACT
Government

CapitalMetro

Activating the City Centre



Property values and rents

Location	Impact of light rail	Variable used
Newcastle (United Kingdom)	20 per cent	House Prices
Freiburg	15 – 20 per cent	Office Rents
Strasbourg	10 – 15 per cent	Office Rents
Portland	10 per cent	House Prices
Rouen	10 per cent	Residential Rents & House prices
Route 96 (Inner North of Melbourne)*	9 Per cent	Residual land value
Portland Gresham	> 5 per cent	Residential Rents

Source: Hass-Klau, Crampton and Benjari (2004), Economic Impact of Light

Rail: The Results of 15 Urban Areas in France, Germany, UK and North America, Environmental & Transport Planning and

*SGSTable: Impact of Light Rail on property values



Jobs stimulus

- Light rail and associated development typically supports significant job numbers
- Jobs are typically supported in the following areas:
 - Construction and electrical
 - Haulage
 - Engineers and other technical
 - Planners
 - Administration
 - Retail
 - Services (EG Health)



Stage 1 route

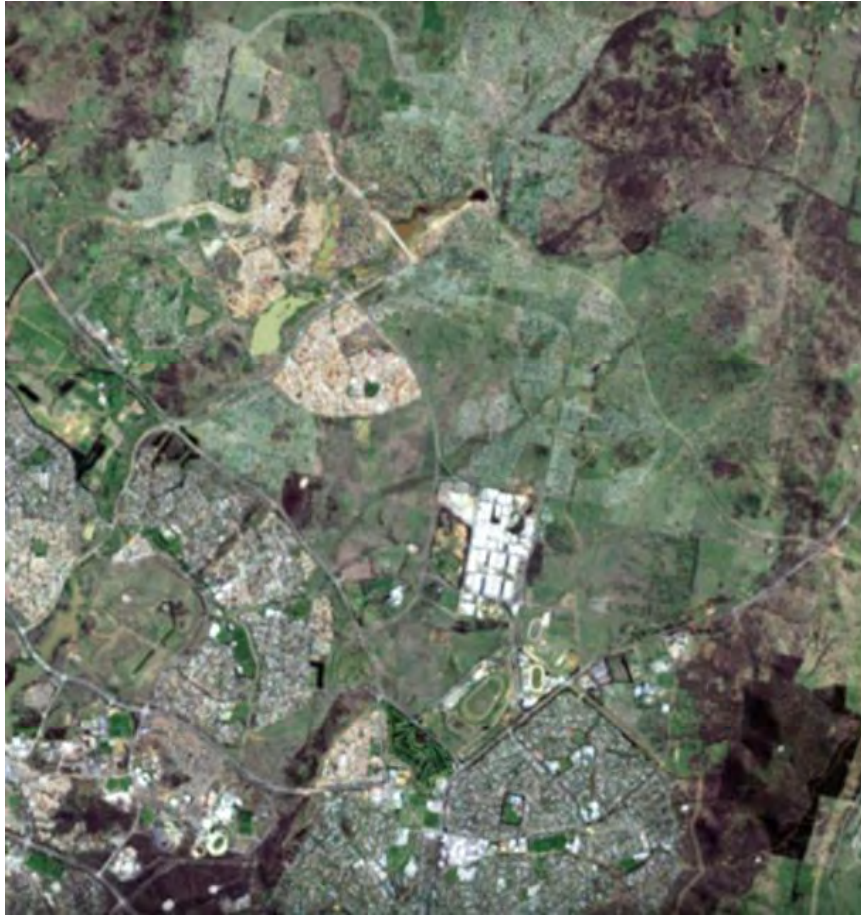
- Coordinated planning across government and industry
- Government owned land on the corridor
- Relatively simple stage one construction corridor
- Up skill of local workforce
- Investment opportunities not available to other cities in Australia



ACT
Government

CapitalMetro

Why this route?



Gungahlin 1993



Gungahlin 2013



ACT
Government

CapitalMetro

Connection to the city plan

Growth

A vibrant centre that stimulates business, education, living, entertaining and recreation.

- A city centre that meets the needs of a growing and changing residential population.
- A city centre with the amenities, services, jobs and infrastructure to attract people, business and investment.



Land use and development

A prosperous and dynamic mix of uses and activities that builds character.

- Increased density and scale of mixed use development to provide for after-hours activity to support the local business economy.
- A broader choice of uses to provide adaptable, flexible accommodation that meets a range of needs and increases the desirability and affordability of the city centre for a diverse community.



Transport and movement

A connected place people can easily get to and get around in.

- The city centre as a hub of the transport system with a range of transport and movement options.
- A walkable and pedestrian-friendly city centre that is well connected to urban areas and surrounds.



ACT
Government

CapitalMetro

Operations in Canberra

- Services every 10 minutes
- Capacity of around 200
- Target journey time of around 25min
- Journey times are driven by:
 - Stop numbers
 - Traffic light numbers
 - Ability to avoid congestion
 - Light phasing
 - Loading times



ACT
Government

CapitalMetro

Light rail can transform cities



Gold Coast – testing phase, 13km route
Population c. 500,000 residents



Grenoble – first tramway in 1987, now 34 km
Population: c 500,000



Infrastructure boom in Minneapolis before service begins



- The 11 mile light rail to open June 2014
- The Green Line light rail project has been a major investment drawcard
- From 2009 to 2014 more than \$2.5 billion was invested in 121 projects
- 43 further major projects have been announced
- Job generation has exceeded 5,445

Glenelg Tram Extension

- Delivered in late 2007
- Carries 20,000 trips per day
- Increased PT patronage by 40% to and from Glenelg
- Economic analysis demonstrated from 2008 to 2011:
 - An extra 1354 jobs within 400m of the light rail system
 - An associated economic value of that far exceeded the cost of the construction and a resulting BCR that exceeded the rating used during project planning



Source:

Measuring Wider Economic Benefits of the Glenelg Tram Extension

Dr Scott Elaurant

BEng, BEcon, BA(Hon), PhD
Sinclair Knight Merz,
South Australia

Paul Buchanan

BA (Econ), MIHT, MTEG
Sinclair Knight Merz,
England

Gareth Evans

B.Eng (Civil), M Eng.
Department of Planning, Transport & Infrastructure,
South Australia

Dr Peter Tisato

B.Eng (Civil), B.Econ, PhD
Department of Planning, Transport & Infrastructure,
South Australia



ACT
Government

CapitalMetro

Life around light rail



Melbourne, VIC



ACT
Government

CapitalMetro

Life around light rail



Zaragoza, Spain



ACT
Government

CapitalMetro

Life around light rail



Orleans, France



Life around light rail



Nice, France



ACT
Government

CapitalMetro

Funding and procurement

- Cost estimate development
- Procurement model selection
- Engaging with the market
- Taking learnings from Sydney, Gold Coast and Adelaide



ACT
Government

CapitalMetro



ACT
Government

CapitalMetro

Communications and consultation

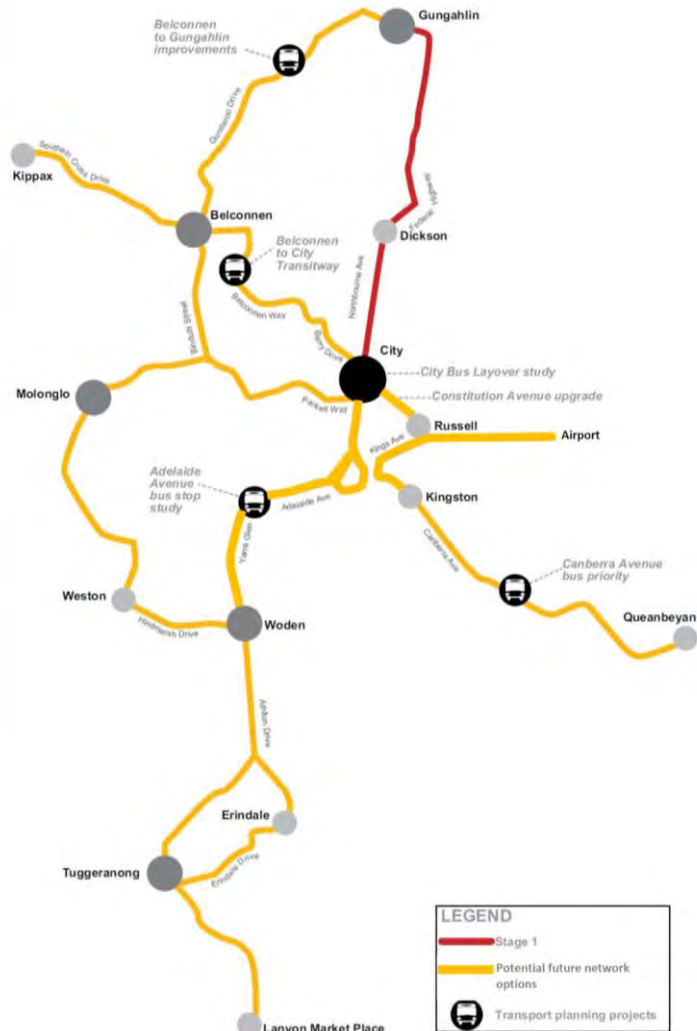
- Consultation in June and July
- City pop-up shop
- Social media - facebook and twitter
- Community events
- Ongoing briefings
- Branding and education ramping up
- School and community programs
- Libraries



capitalmetro.act.gov.au
[@CapitalMetroACT](https://twitter.com/CapitalMetroACT)
CMAFeedback@act.gov.au



Light Rail Master Plan



- The Light Rail Master Plan will examine options for a potential future light rail network for the Territory.
- Technical analysis of all light rail route and network options, stations and stops has commenced.
- Stakeholder consultation with Community Councils will occur in June to inform the development of the draft Light Rail Master Plan.
- Community consultation of the draft Light Rail Master Plan will occur in September and October.
- The Light Rail Master Plan will be finalised in early 2015.

Capital Metro

New Century, New Connections



Capital**Metro**

