



Background

In October 2007 ARTC restructured to create focussed regional delivery Divisions:

East West North South Hunter Valley CRN

Each Division has a General Manager who has complete responsibility to deliver according to needs of their region/market.

Hunter Valley Division is committed to working with all necessary stakeholders to ensure reliable capacity is in place ahead of industry demand.



Hunter Valley Background Principles

ARTC is committed to ensuring its operations and infrastructure meet capacity requirements ahead of demand by the coal industry.

ARTC recognises that it is part of a coal chain and cannot achieve this outcome independently of other coal chain participants; including producers, other service providers and a range of Government bodies.

ARTC will therefore continue to pursue engagement with all entities that play a role in

Determining requirements, and Ability to implement initiatives

ARTC operates as a commercial entity and must be able to achieve relevant return again risk on capital invested.



Hunter Valley Background Principles

There are two key bodies of work:

Delivery of physical infrastructure

Development of a commercial framework that will deliver certainty to industry.



Physical Infrastructure

ARTC has a rolling 5 year infrastructure delivery plan which is updated annually. This plan is publicly available on ARTC's website.

ARTC models required infrastructure under assumptions drawn from industry in relation to future timing and characteristics of demand.

It takes 2-3 years to plan, design and deliver major infrastructure; changes 'mid-design' will add to cost and potentially jeopardise timing of delivery.

Therefore, having a clear and sufficiently timely indication of demand pattern (timing and geographical source) is central to ARTC's ability to deliver in a timely fashion.

Current infrastructure plans are all "on plan" in accordance with critical paths, however, there are a number of risk areas such as resource availability that will challenge delivery.

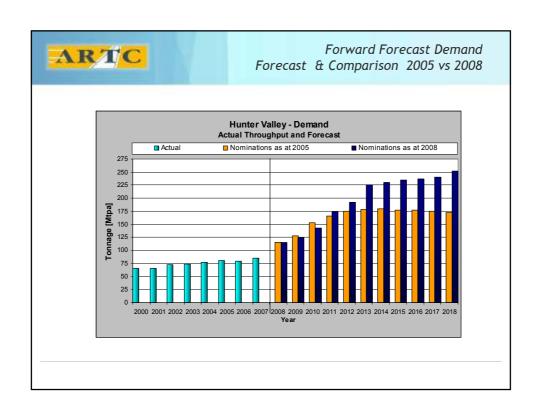


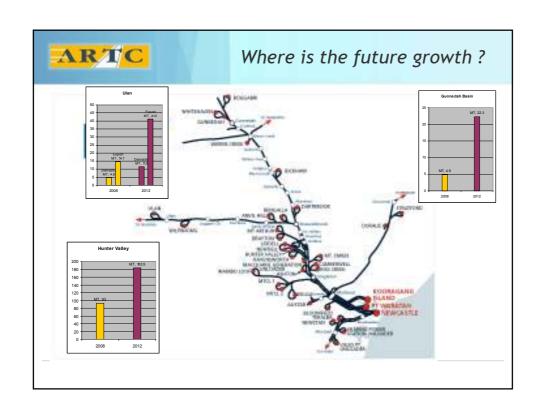
Non Infrastructure Issues

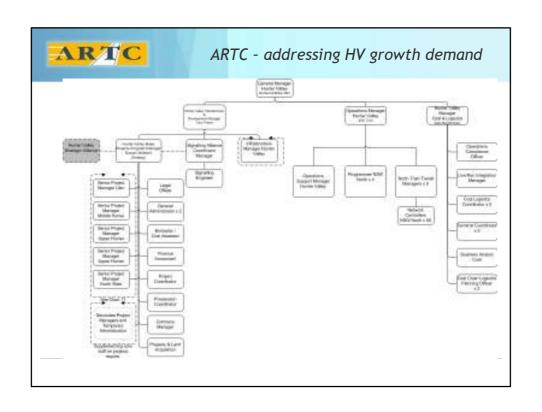
Only establishment of appropriate commercial frameworks that match investment risk with investment outcomes over aligned timeframes will ensure ongoing appropriate investment by all parties against future requirements and deliver certainty that industry is seeking.

In this regard ARTC is engaged in two pieces of work:

- Establishment of independent HVCCC
- Development of ARTC HV Access Undertaking









Major Projects, Hunter Valley

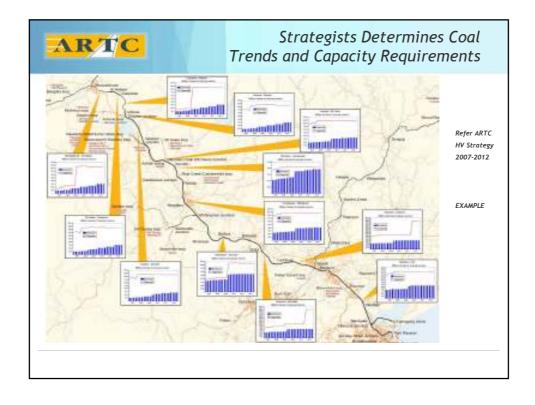
HV Major Projects team is dedicated just to the Delivery of Capacity Improvement Projects in the Hunter Valley

Delivery HV Capacity Improvement Strategy (~\$1B over 5 years)
Delivery of CRN Capacity Improvements (~\$50M over 2 years)

Hunter Valley Context

A lost train will cost around \$0.7 to \$1.5M to the coal industry
There are 4 x 48hr possession windows available each year
New infrastructure must be delivered under ever increasing train
movements as demand grows

The market is 'Hot' and resources are limited





Current Projects - SNAP SHOT

Hunter Valley

Construction or recently completed

Antiene to Grasstree Duplication (~\$27M)

St Heliers to Muswellbrook Duplication (~\$27M)

Wollar Loop (~\$10M)

Mangoola Loop (~\$11M)

Ulan CTC (-\$15M) + associated level crossing upgrades - St 4 commissioned June 08

Ardglen Loop (~\$13M) - commissioned July 08

Willow Tree Loop (~\$7M) - commissioned June 08

Development

Bi-directional Signalling (Maitland to Branxton) (~\$40M)

Minimbah 3rd Track (~\$100M) - enabling works is progressing in the field

Ulan Line Tunnel Ventilation Investigation (~\$0.6M)

Minimbah to Maitland 3rd Track (~\$270M) - Concept

3 more Ulan Loops (~\$30M)



Current Projects - SNAP SHOT

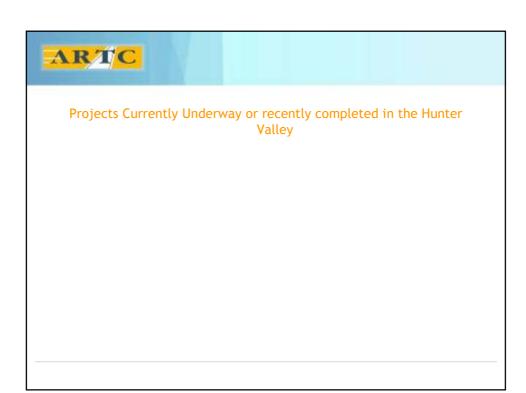
North West

Construction

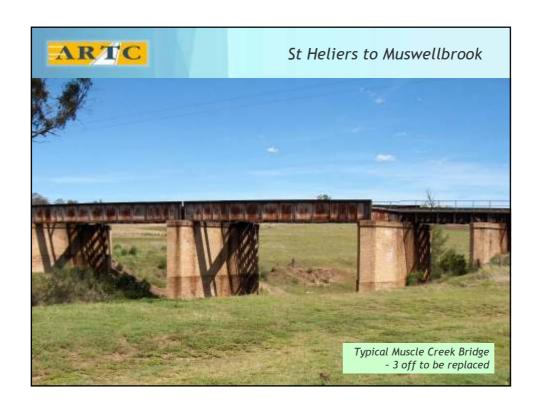
Breeza, Curlewis & Emerald Hill Loops incl CTC Gap to Emerald Hill (~\$20M) - commissioned July 08/August 08

Development

Development of Boggabri Loop incl CTC Emerald Hill to Narrabri (~\$20M)

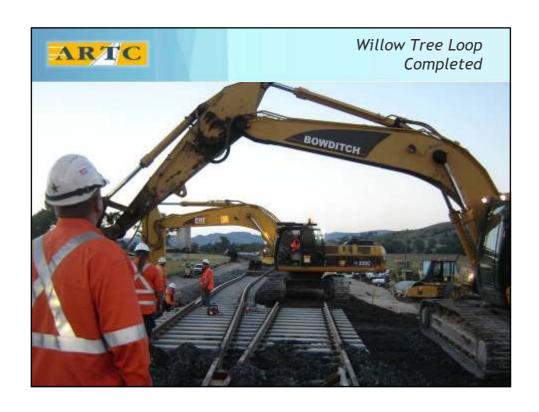




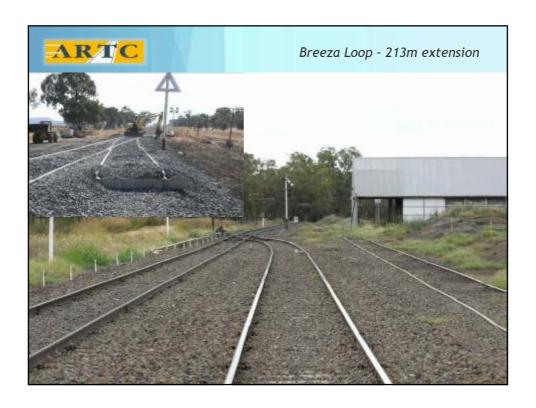




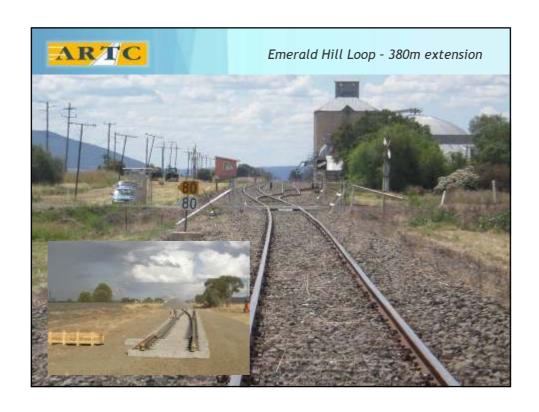














Future Projects

PROJECTS THAT WILL LIKELY BE PART 3A (Major Works SEPP) - DETERMINED BY THE MINISTER

BiDi Signalling - 26km of signalling works - Maitland to Branxton (was part 5 but with revised costs now over \$30M will be part 3A)

Minimbah Bank 3rd Road - approx 10km of third track (ARTC have submitted PAR to DP and we have received DG's Requirements) - start on site Jan 09

Minimbah to Maitland 3rd Road - approx 30km of third track with some reconfiguration in Maitland Yard

Nundah Bank 3rd Road - approx 10km of third track (just beyond the current strategy but will likely be in next version with compressed delivery time).

Muswellbrook to Mt Pleasant Duplication - approx 10km of second track on the Ulan Line

Muswellbrook to Koolbury Duplication - approx 6km of second track on the Ulan Line



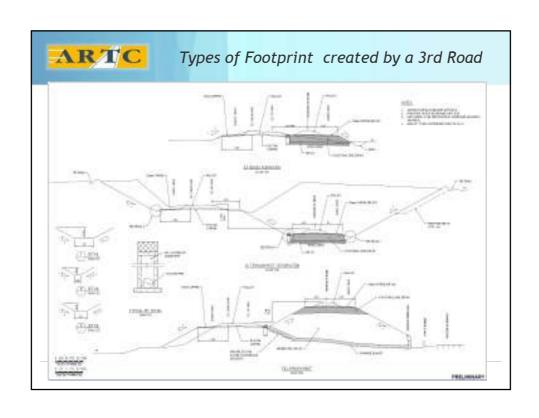
Future Projects (continued)

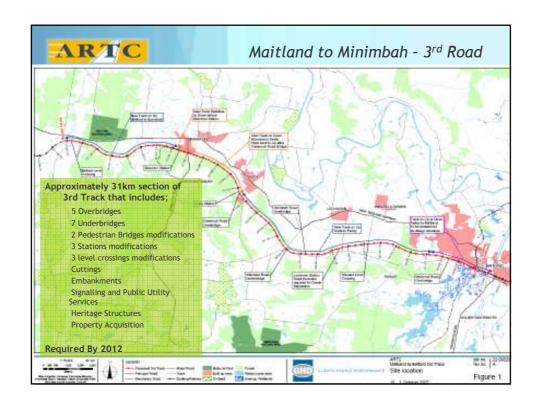
Werris Creek Bypass (Binnaway Line Restoration) - approx 2km of line restoration

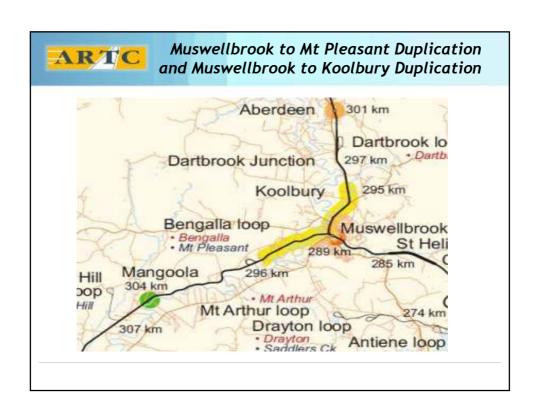
Liverpool Range Deviation - approximately 20km of new alignment with multiple options currently under consideration

NOTE THAT THERE ARE NUMEROUS OTHER SMALLER PROJECTS THAT WILL BE DELIVERED CONCURRENTLY (LESS THAN \$30M each)













Challenges we will face

Finding Professional Staff to deliver the program (on the client side) Timely Land Acquisition

Ministerial Approvals (Part 3A can take 9 to 18 months)

Co-operation from Utilities who have unaligned agendas

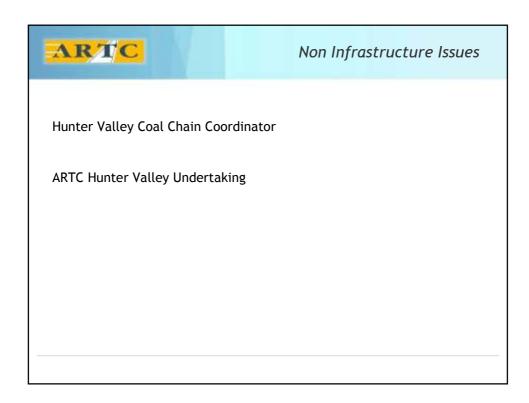
Construction under increasing train volumes

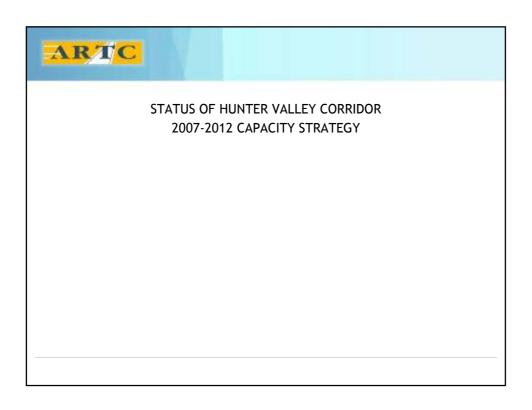
Potential increase in noise and "green" complaints

Unknown Impact of Carbon Trading

An overheated market and the management of escalating costs

Constrained resource availability, especially signalling Managing key Stakeholder expectations (with both time and money)





HUNTER Prepared by: G Withford Date: 29 July 2008	VALLE	Y CORRI	DOR 2007	2012 CADACITY STD	ATTICK PROCE				
Prepared by: G Withford	VALLE	Y CORRI	DOR 2007	2012 CADACITY STD					
			HUNTER VALLEY CORRIDOR 2007-2012 CAPACITY STRATEGY – PROGRESS						
		P. I. Child							
	2006-2011	2007-2012	Commissioned	Scheduled Delivery Date	Comment/Status	Performance; (Note; 'On time' is within 3			
	STRATEGY	STRATEGY	Cost (\$M)	Scheduled Delivery Date	CommentiStatus	months of strategy date given the			
TIMIN	TIMING	NG TIMING				inflexible nature of the possession regime, ie 4 x possessions per year)			
Newcastle - Muswellbrook									
	1" half 2007	Completed	\$80.00	Completed Nov 2006		Early			
	1 st half 2007	Completed	\$0.60	Completed Nov 2008 - st 1 Completed May 2007		Early			
	2 nd half 2007	Completed Deleted	\$11.02	Deleted May 2007		Early Deleted			
	2 nd half 2007								
	1 st half 2007	Completed	\$0.60	Completed Nov 2006 - st 1		Early			
	2 nd half 2007 2008	Deleted By Q1 2009	\$0.00	Deleted Target November 2008 (was August)		Deleted Early			
	2009	By Q3 2009		Target November 2006 (was August) Target June 2009	Detailed Design well advanced	On time			
				- 5	betailed besign well davanced				
	2008	Deleted		Deleted		Deleted			
	2010	By Q4 2009		Target March 2010	Enabling works has commenced,	On time			
Newdell Junction By	2009	By Q1 2010		Target Q1 2010	Detailed Design Well advanced	On Time			
St Heliers – Muswellbrook Duplication By:	2009	By Q3 2009		Target March 2009	Enabling works and bridges	Early			
					commneced construction, civil tender to be call next week				
Nundah Bank 3 rd Road By:	2011	Deleted		Deleted		Deleted			
Drayton Junction Upgrade By:	2011	By 2011		Target by 2011		Not Commenced			
	2010	Deleted		Deleted		Deleted			
	2009	By Q3 2009		Target March 2009	Delivered as part of Duplication	Early			
Allandale Resignalling for 8-minute headways New Minimbah - Mailland 3 rd Road New		By Q3 2009		Target March 2009	Delivered as part of BiDi Project	On Time			
Minimbah – Maitland 3 rd Road New	w	By 2012		By 2012	Feasibility has commenced	On Time			
	_								
				ed Projects					
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