

# Hawker – Leigh Creek BCC Progress Update

10<sup>th</sup> October 2017



# Hawker - Leigh Creek BCC Update

## Overview

### Scope of works:

1. To improve 3G and 4GX highway coverage between Hawker and Leigh Creek, whilst delivering increased transmission capacity through to Leigh Creek.
2. Provide costing to meet full scope of works.
3. Provide a basis to evaluate options to meet different funding thresholds.

### Considerations:

- Both fibre and radio based solutions to be considered.
- Existing towers to be considered as preferred mobile site candidates if suitable.
- The primary focus is improved highway coverage; however improved community coverage should be considered where practical.

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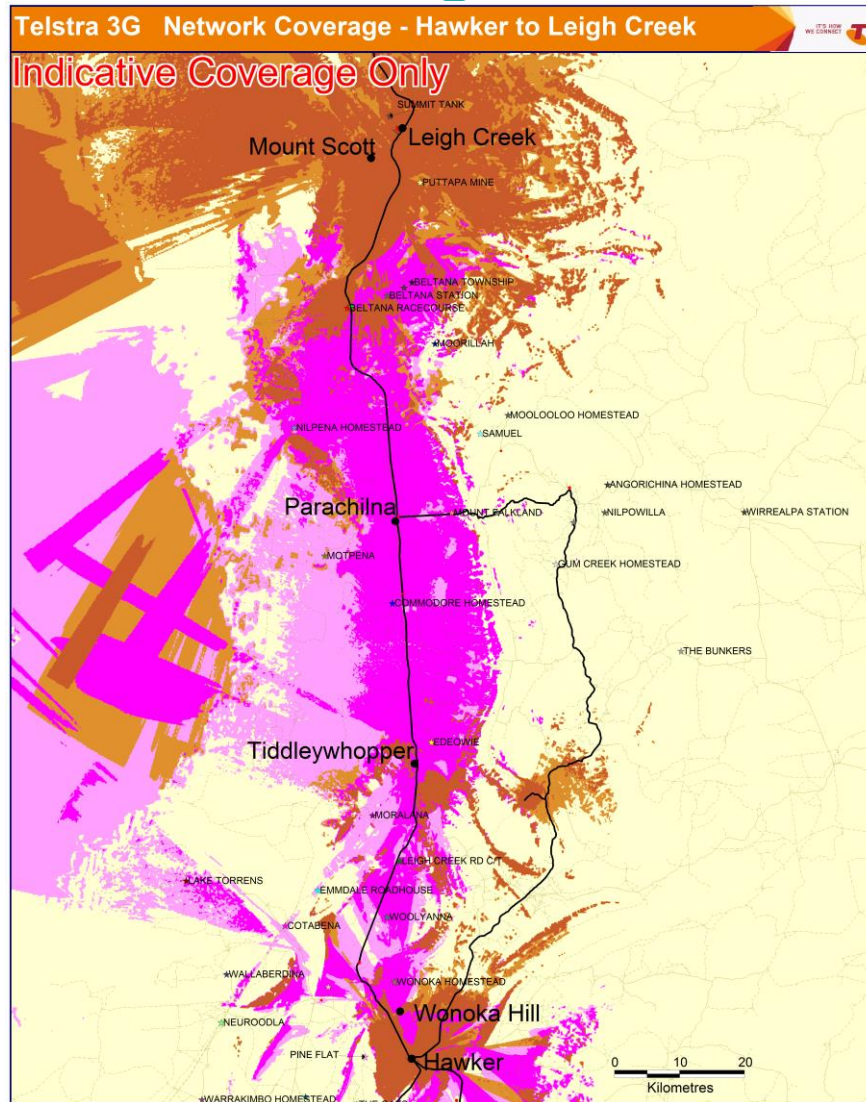
## Progress Update

- The engineering solution analysis and costing is almost complete.
- We are proposing that new 3G/4GX mobile sites be built at the following locations:
  - Wonoka Hill
  - Tiddleywhopper
  - Parachilna
  - Beltana
- We propose that the following existing mobile sites be upgraded to 4GX:
  - Mount Scott
  - Leigh Creek
- This would deliver near consistent 3G and 4GX coverage between Hawker and Leigh Creek.
- We are in the final stages of confirming the most cost effective optimal backhaul technology to provide increased capacity to Leigh Creek.
- We will be presenting a complete costed proposal at the BCC's December 12 meeting.

# Indicative Mobile Coverage Predictions



# Indicative new 3G coverage



All mobile devices have been tested to operate within the coverage contours of the displayed coverage maps. Mobile device coverage depends on where you are, the device you are using and whether it has an external antenna attached. For tips on maximising your coverage visit the Maximise Your Coverage page.

Customers should be aware that the Telstra mobile coverage maps displayed have been created using tools that predict the likely areas of coverage. Not every particular location within the identified coverage areas has been individually tested for coverage. This means that while the footprint of coverage outlined on the maps is generally accurate, there will be specific areas described as being within a coverage area where a customer's device will not work. This is a common characteristic of wireless systems. For example, coverage could be degraded or nonexistent in specific locations due to certain physical structures or geographic features or as a result of the device used. Physical structures which may block or inhibit coverage could include basements, lifts, underground car parks, concrete buildings, tunnels and road cuttings. Geographic features which may block or inhibit coverage could include formations such as hill and mountains or even trees.

Customers should also be aware the Telstra mobile coverage maps also may indicate planned coverage expansions of the Telstra mobile network. Coverage planned for the future is based on Telstra's rollout schedule. Telstra reserves the right to modify this schedule without notice, as required from time to time.

Data speeds on Telstra's mobile networks may be affected by network availability, the type and configuration of customer equipment, the performance of external networks (for example the Internet), the signal strength of the device used and other factors such as the type of application.

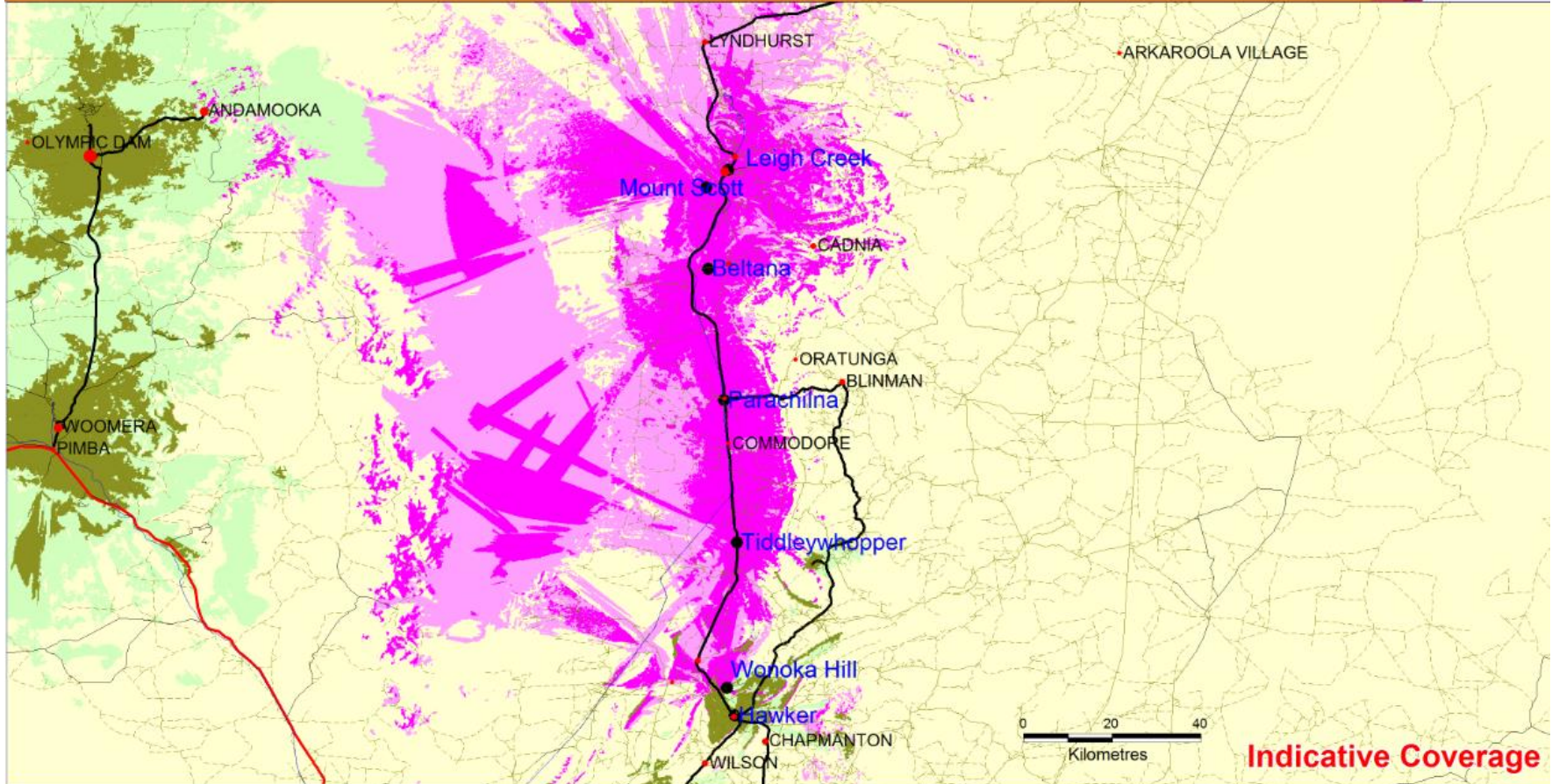
**Legend**

- Proposed 3G device only
- Proposed 3G device with external antenna
- 3G device only
- 3G device with external antenna



# Indicative new 4GX coverage

## Telstra 4GX Network Coverage - Hawker to Leigh Creek



### Legend

- Proposed 4GX device only
- Proposed 4GX device with external antenna
- 4GX device only
- 4GX device with external antenna

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Current as 10/10/2017

# Questions?

