

Parliamentary Friendship Group  
for Better Cities

# Research and Practice from Australia's fast growing outer suburbs

Presented by



Tuesday 3 December, 2019

Dame Dorothy Tangney Room, Parliament House

# Welcome

Bronwen Clark

Executive Officer

National Growth Areas Alliance



# National Growth Areas Alliance

Mayor Glenn Docherty

Outgoing Chair

National Growth Areas Alliance



# NGAA Research Symposium

Sandy Burgoyne  
Research and Policy  
National Growth Areas Alliance



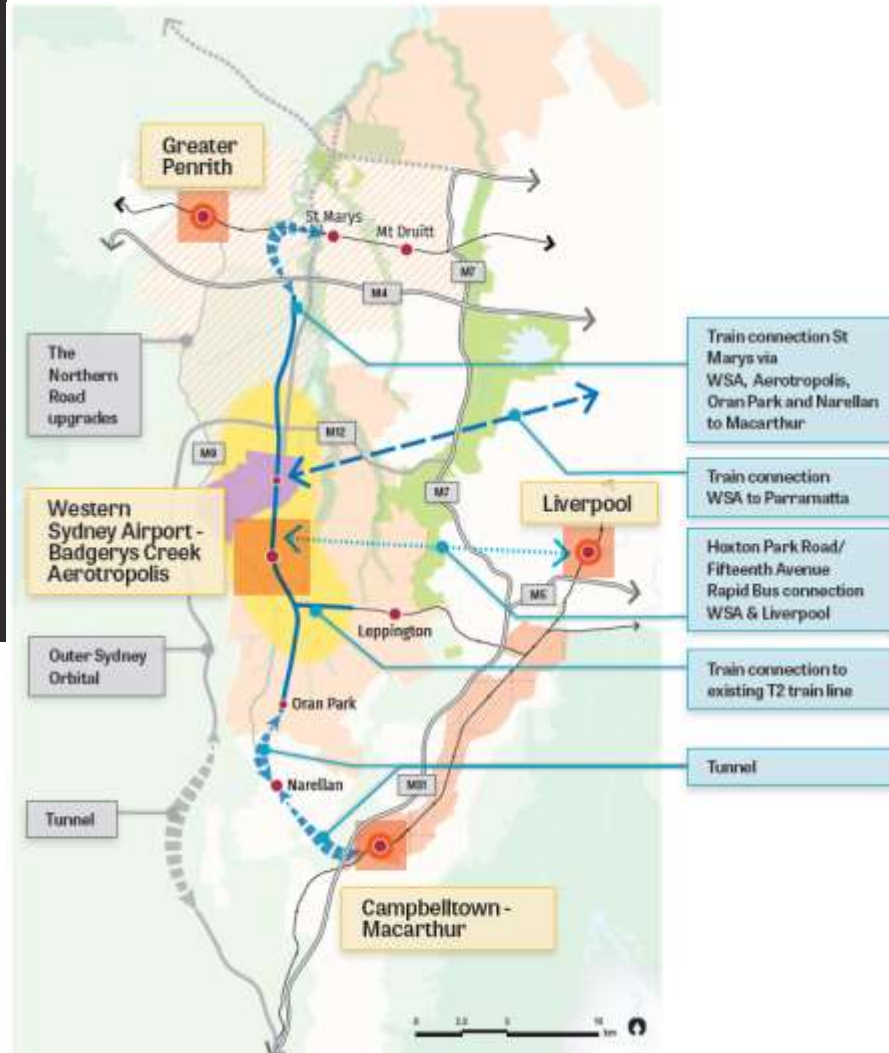
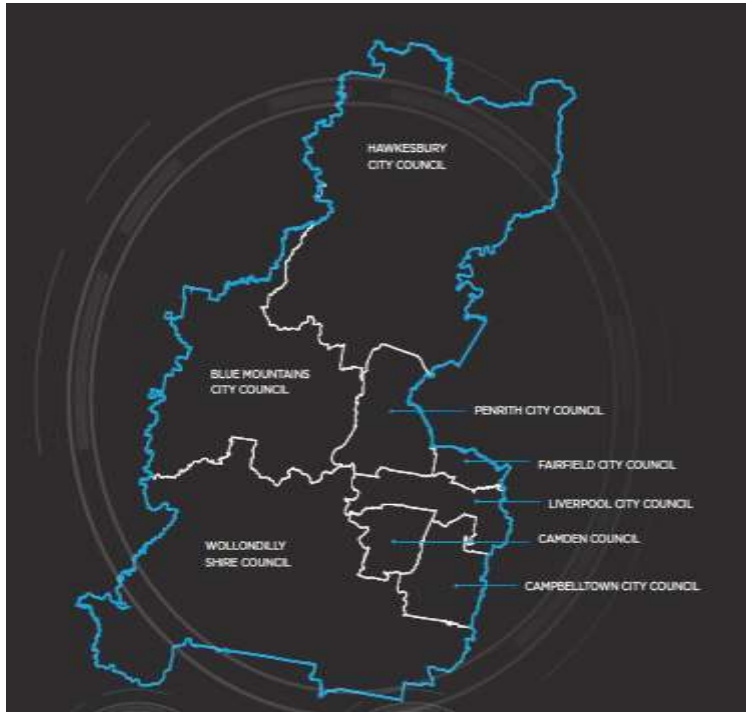
# NGAA Research Symposium



**2019** SYMPOSIUM  
Research and Practice from Australia's  
**Fast Growing Outer Suburbs**



# Western Sydney Planning Partnership



Smart Cities Plan

## WESTERN SYDNEY CITY DEAL

Vision. Partnership. Delivery.

A circular graphic containing three images: a landscape with mountains, a construction worker in a hard hat and safety vest, and a blue train. Below the images are several icons representing different aspects of smart cities and infrastructure: a book, a location pin, a leaf, a house, a network node, and a gear.



# Selandra Community Hub



# For Value Australia



FRONTIER S I >





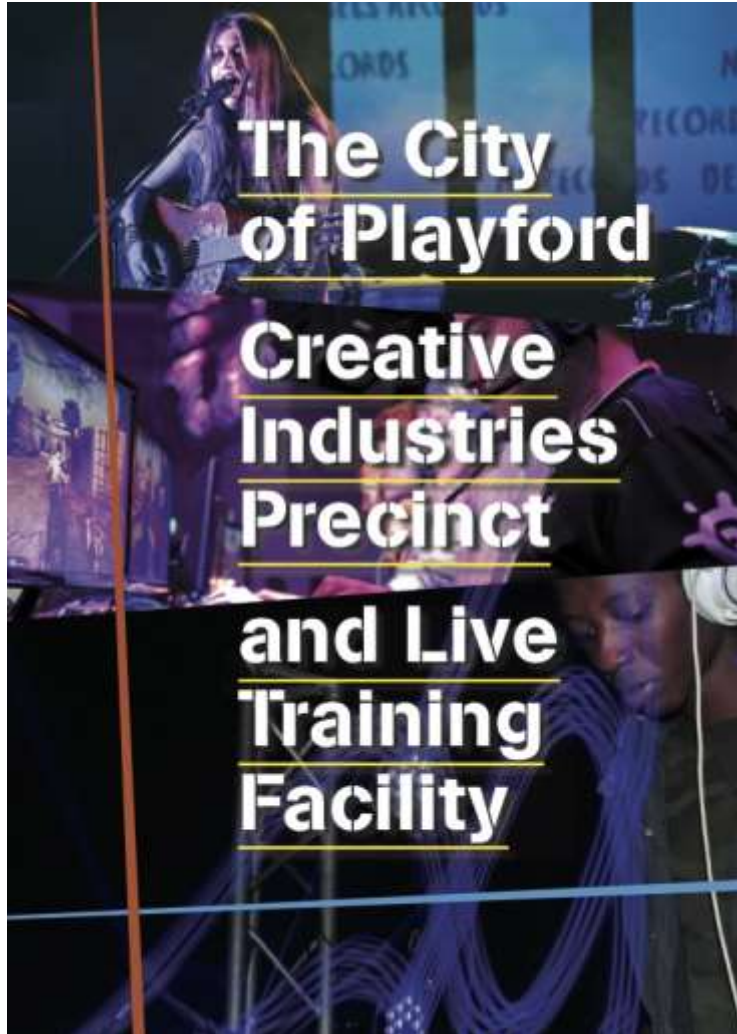
# Smart Wyndham 3D Development Tool



# Building the Case for Active Playing Spaces



# Creativity and Youth Services



# Street Tree and Public Open Spatial Data Capture

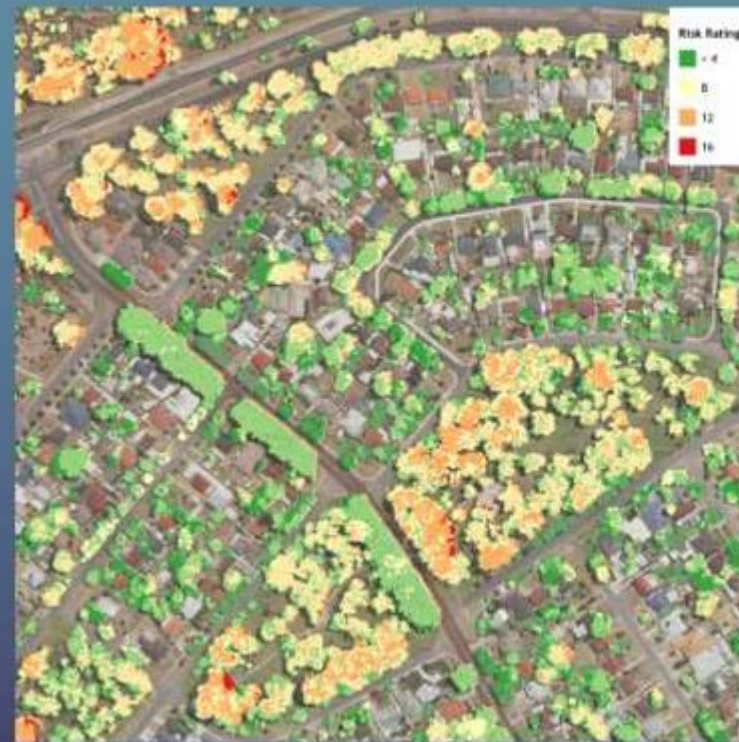
## OUTPUTS – TREE RISK RATING

Base risk matrix used for classification

TREE RISK MATRIX					
		Tree Canopy Max Height			
		0-5 m (1)	5-10 m (2)	10-20 m (3)	> 20 m (4)
NDVI	>0.75 (1)	Low Risk (1)	Low Risk (2)	Medium Risk (3)	Medium Risk (4)
	0.51-0.75 (2)	Low Risk (2)	Medium Risk (4)	High Risk (5)	High Risk (6)
	0.26-0.5 (3)	Medium Risk (3)	High Risk (5)	High Risk (3)	Very High Risk (13)
	0-0.25(4)	Medium Risk (4)	High Risk (6)	Very High Risk (12)	Very High Risk (14)

Other risk factors considered:

- Distance to overhead power lines
- Distance to road/presence of overhanging
- Distance of tree asset to other City assets



Tree risk raster data, classified by risk rating



# Auditing the Built Environment for Determinants of Health



# Where We Build, What We Build

## Exposure + Sensitivity

Where we build

What we build



# Turn Down the Heat



Collaboration towards solutions:  
Turn Down the Heat



Blacktown  
City Council



# Thank you

Cr Matthew Deeth

Chair

National Growth Areas Alliance





# Parliamentary Friendship Group for Better Cities





NATIONAL  
Growth Areas  
ALLIANCE