

AdaptNSW Forum 2019

Stephen Bygrave
Department of Planning, Industry and Environment

12 November 2019

NSW Adaptation Research Hub

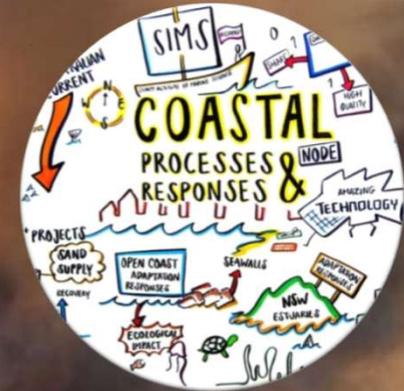
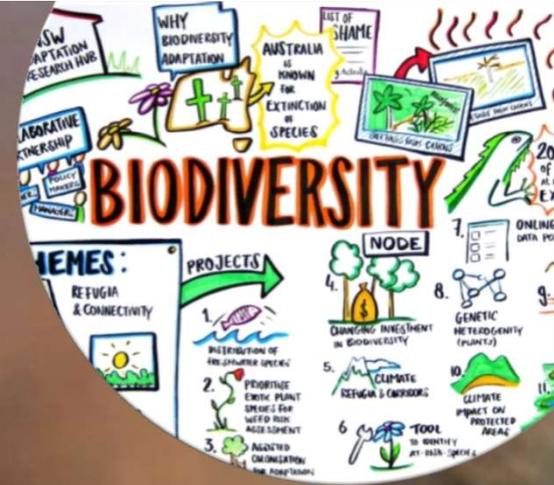
2013 – present

\$7.1m from DPIE generated a further \$8.4m in research

Biodiversity, Human Health and Social Impacts, Adaptive Communities, Coastal Processes and Responses

Partnerships with Macquarie University, UNSW, ISF - UTS, Sydney Institute of Marine Studies, Sydney University, Edge Environment, CSIRO

Applied research and tools informing policies and programs





Climate Change Advisory Group
under State Emergency
Management Committee



NSW Climate Risk Ready project - Guidance and training for NSW state government agencies to embed climate risks into BAU

Cultural and Ecosystem Adaptation (CEA)

The program provides support to land managers to build climate change adaptation into the protection of biodiversity and culture including:

- working across both public and private land management
- delivering climate change assessment for strategic plans
- providing technical management solutions for threatened species and cultural values

Currently working with:

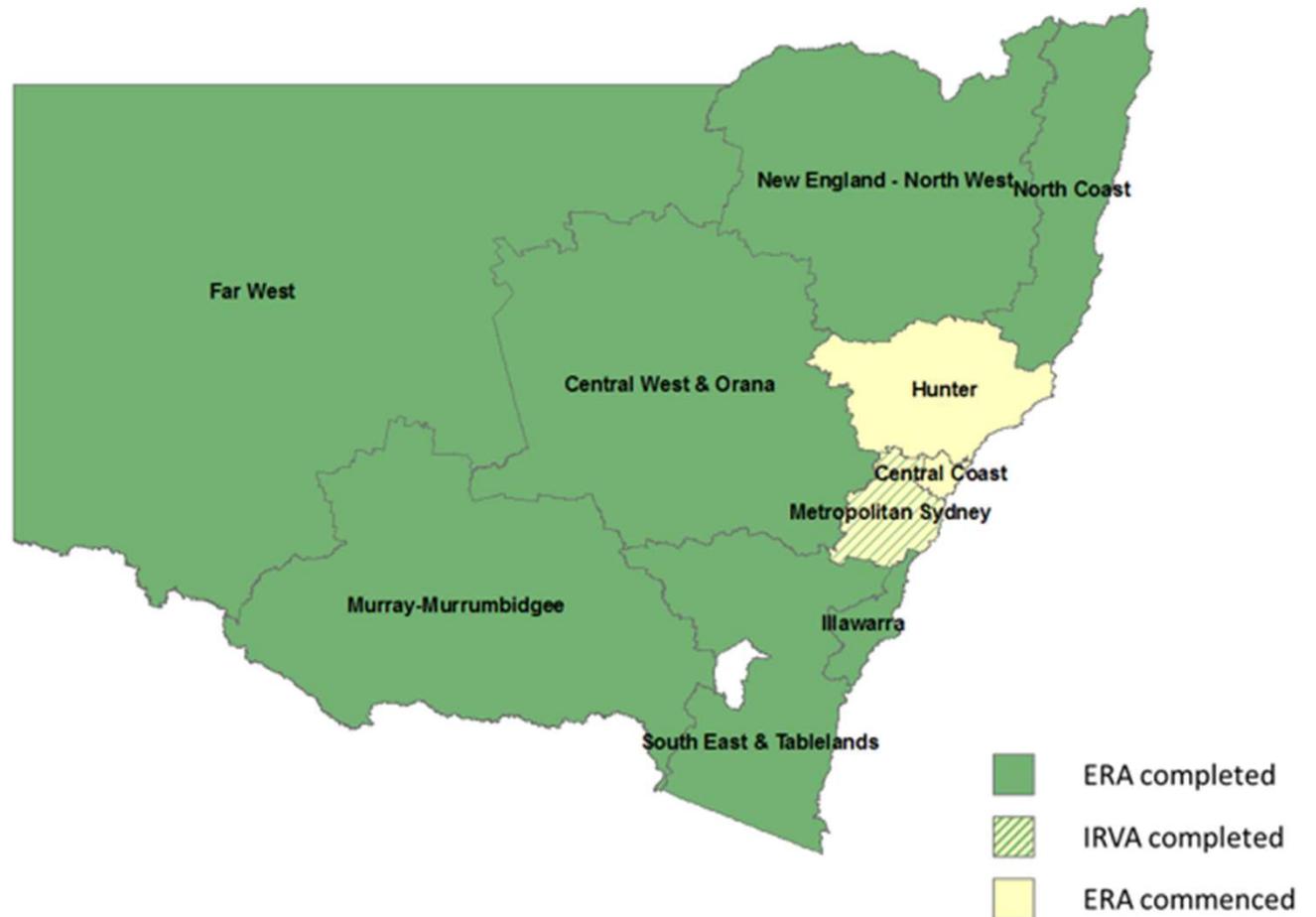
- NPWS
- World Heritage – Gondwana
- Saving our Species (SoS)
- Aboriginal community groups
- Marine Estate Management Authority (MEMA)
- Landcare/ green infrastructure programs
- Biodiversity Conservation Trust (BCT)

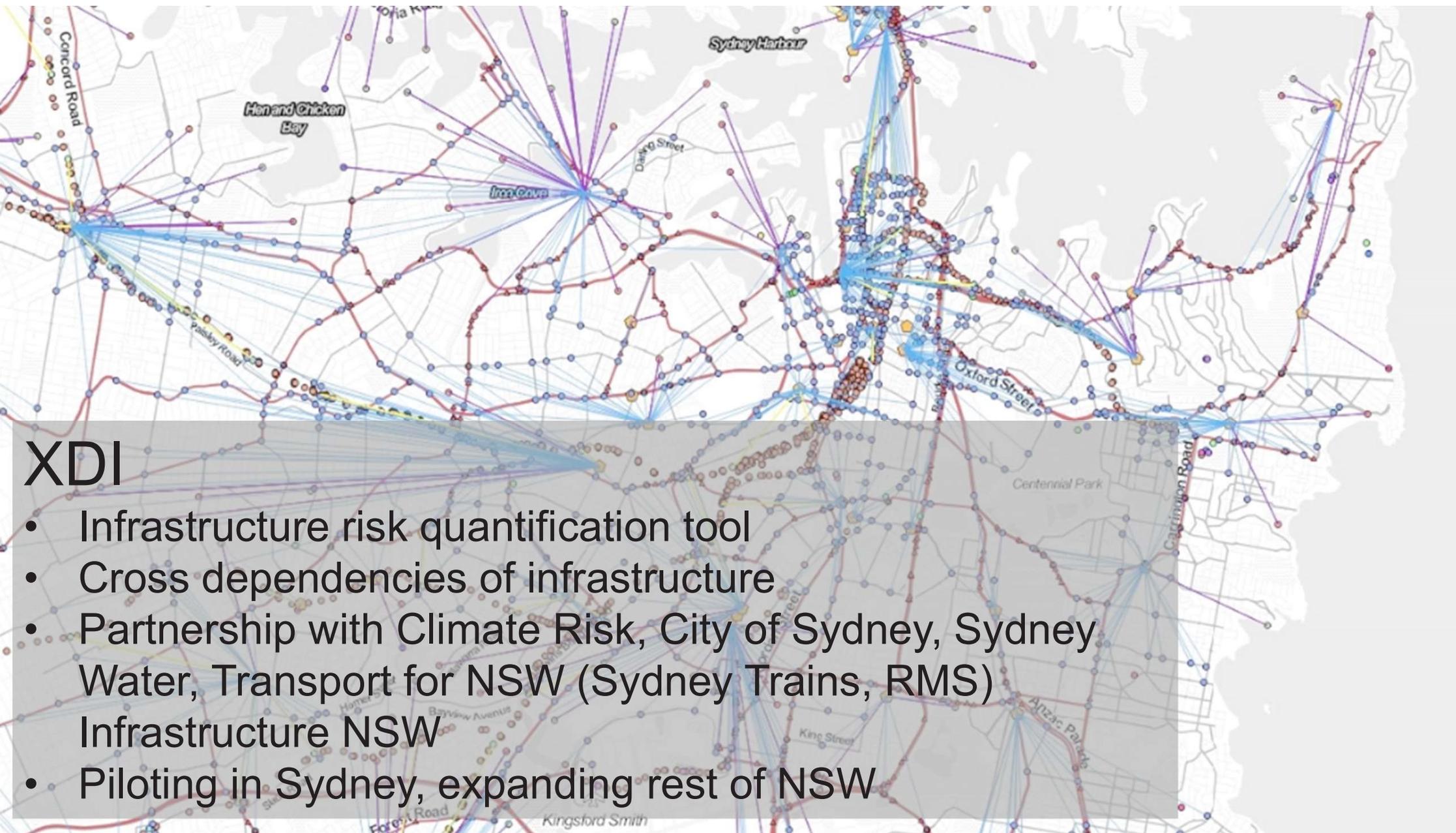


Enabling Regional Adaptation plans across all NSW regions

Integrated regional Vulnerability Assessments and Enabling Regional Adaptation plans

- engaged 1600+ regional decision-makers through 50+ participatory workshops
- covering 90%+ of the State's population and 91%+ of LGAs, since 2010





XDI

- Infrastructure risk quantification tool
- Cross dependencies of infrastructure
- Partnership with Climate Risk, City of Sydney, Sydney Water, Transport for NSW (Sydney Trains, RMS) Infrastructure NSW
- Piloting in Sydney, expanding rest of NSW

Increasing Resilience to Climate Change program

- Round 1 - \$1.011 million 10 projects
- Round 2 - TBA
- Round 3 opens July 2020
- Community grants – applications close 31 January 2020
- Themes – heat, water, vulnerable communities, priority infrastructure

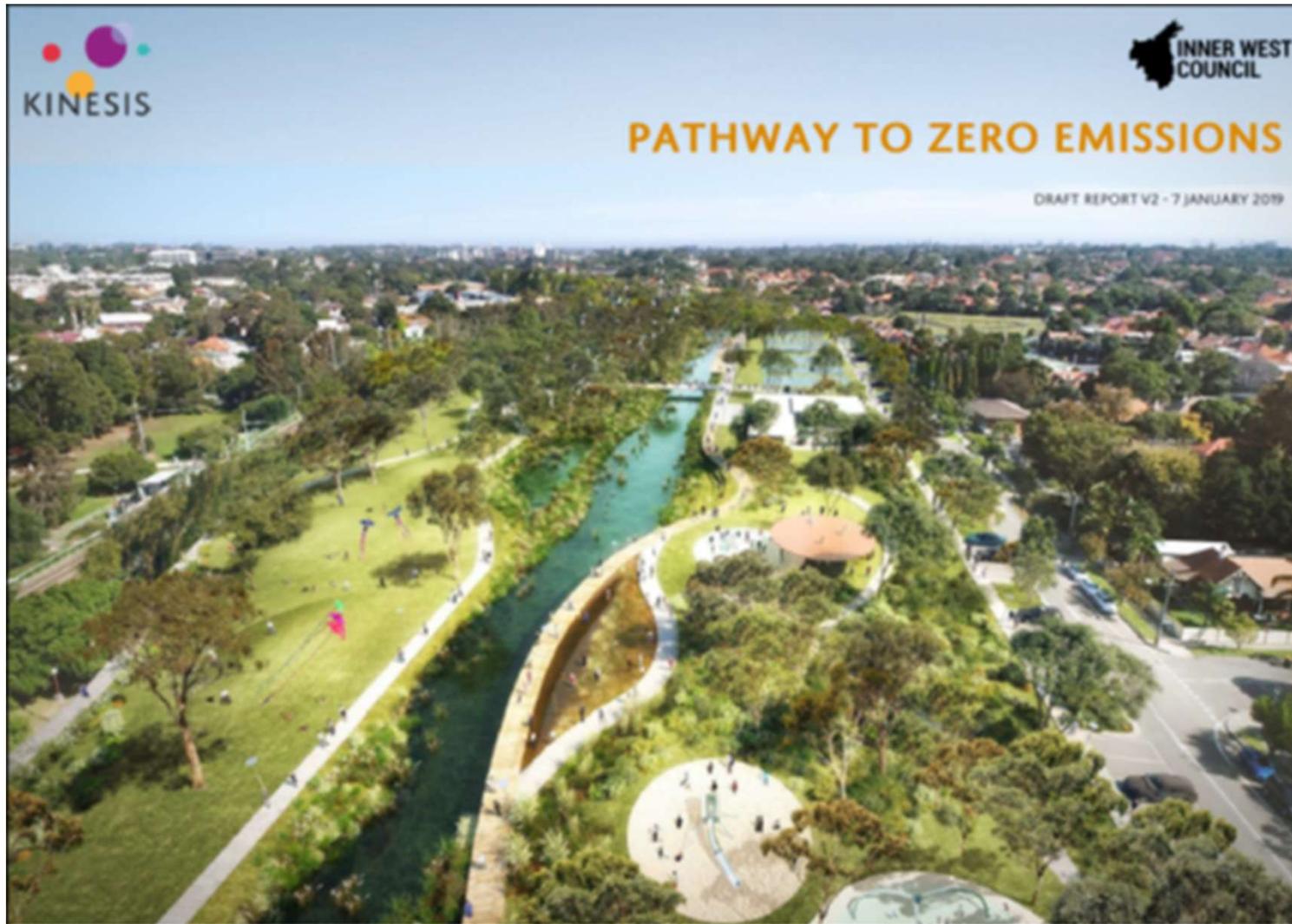


Net Zero Implementation



- Net Zero Guidance for local councils – place based approach
- Net Zero Government
- Net Zero sectors

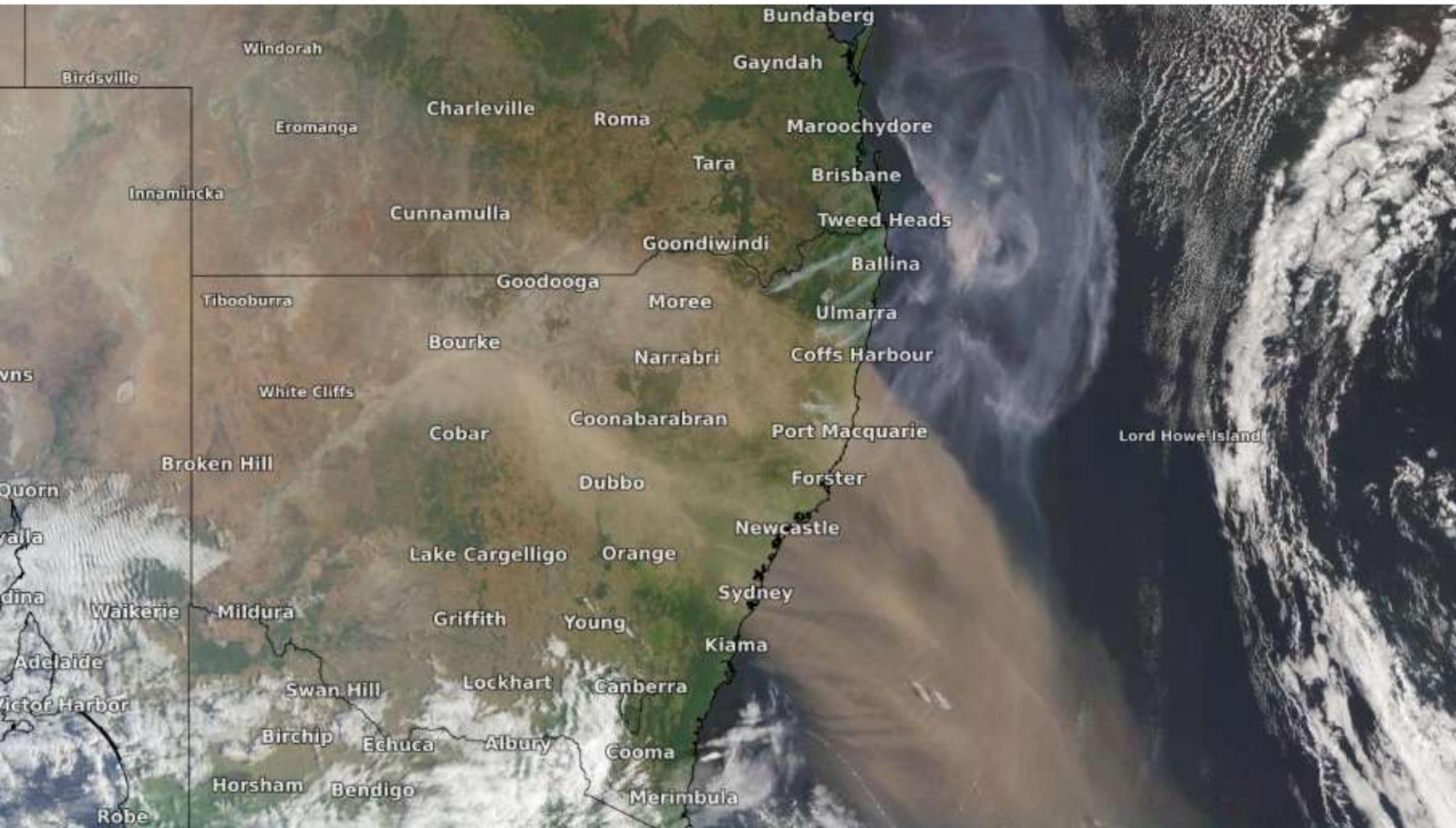
Case Study: Inner West Council's Net Zero Emissions Strategy



Net Zero workshops

06-Nov	Kiama
07-Nov	Queanbeyan
14-Nov	Newcastle
15-Nov	Wagga Wagga
19-Nov	Armidale
20-Nov	Coffs Harbour
21-Nov	Ballina
26-Nov	Orange
28-Nov	Coonamble
04-Dec	Balranald





Birdsville

Windorah

Bundaberg

Gayndah

Charleville

Roma

Maroochydore

Eromanga

Tara

Brisbane

Innaminka

Cunnamulla

Goondiwindi

Tweed Heads

Ballina

Tibooburra

Goodooga

Moree

Ulmarra

Bourke

Narrabri

Coffs Harbour

White Cliffs

Cobar

Coonabarabran

Port Macquarie

Lord Howe Island

Broken Hill

Dubbo

Forster

vns

Quorn

yalla

dina

Waikerie

Mildura

Lake Cargelligo

Orange

Newcastle

Adelaide

Griffith

Young

Sydney

Victor Harbor

Swan Hill

Lockhart

Canberra

Kiama

Birchip

Echuca

Albury

Cooma

Horsham

Bendigo

Merimbula

Robe