Resilient Sydney
A Strategy for City Resilience
2018
Urban resilience
The capacity of individuals, communities, institutions, businesses, and systems within a city to **survive, adapt, and thrive** no matter what kinds of **chronic stresses and acute shocks** they experience.
Resilience Strategy for Sydney

AWARE  INTEGRATED  ADAPTIVE  DIVERSE  SELF-REGULATING

Markets & Business, Government, Communities, NGOs

People centred city

Live with our Climate

Connect for strength

Get ready

One city
The community experience of disasters
Community mapping process

Impact Map

Barrier Map

Enabler Map
Penrith heatwave 2016/17

- 26 continuous days of extreme heat
- 46.9 degrees at Penrith Lakes on Feb 11
- Energy usage surges, blackouts
- Soaring ozone, risk for respiratory illness
Impacts
Anxiety and stress were embedded in:

• Fatigue, lethargy and an inability to get things done
• Health impacts
• Caring responsibilities
• Relationships – personal and professional
• Lack of finance
Barriers to coping

• Lack of finance
• Critical need for power and air conditioning
• Lack of mobility
• Poor built environment
Enablers for coping

• Close family and social networks
• Sense of camaraderie and community
• Cool areas
Immediate operational interventions:
• Providing refuges where people don’t have to spend money to stay safe
• Hawkesbury Council – contractors extending hours for pools and libraries
• Cool Parramatta, identifying refuges and providing education/comms
• Emergency services - consider community evacuation and/or shelter in place strategies, as with other natural hazards
• Invest in community connections
Community experience

- Housing affordability
- Land use planning
- Urban development
- Energy provision
- Infrastructure
- Transport / mobility
Managing risk in place

Better day to day investment & policy decisions

Connecting communities with investors and policy makers
Longer term strategic actions:

• Integrated place based planning to meet community needs (hint: include communities in the planning)
• Legislate duty of care – Civil Defence Emergency Act (NZ)
• Cool Suburbs – suite of interventions and ratings tool to enable transparent performance management and reporting that enables communities to make decisions about where they live
• Investment mechanisms - enabling low income households to access renewables/home upgrades for energy security and life safety during heatwaves
Thank you