



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**

**Get
ready**

**Connect
for
strength**

One city

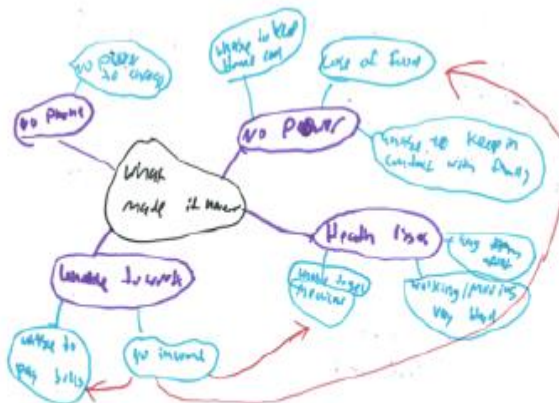
The background features a warm, golden sunset over a cityscape. A large thermometer is overlaid on the scene, with the sun positioned at the top of its scale. The thermometer has a red liquid column and a scale with the letter 'F' visible. In the center, a white circle with an orange border contains the text.

**The community
experience of
disasters**

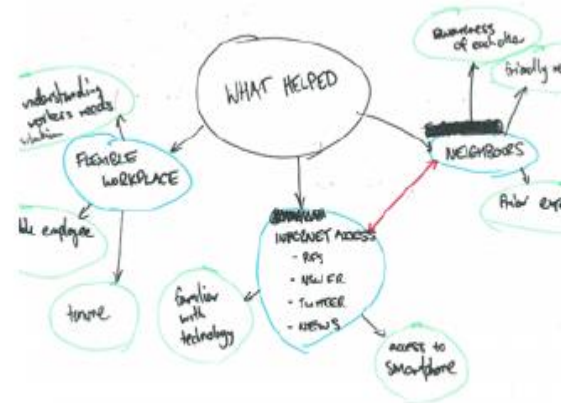
Community mapping process



Impact Map

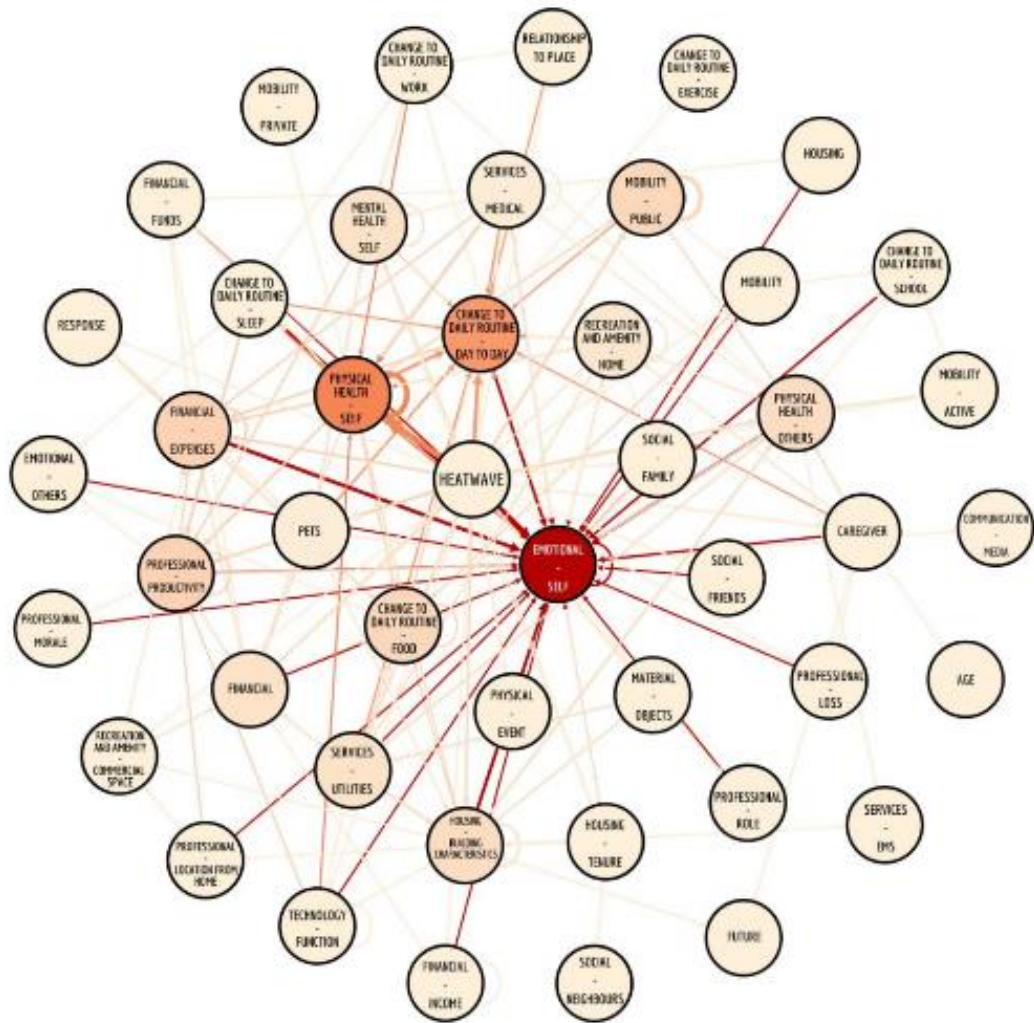


Barrier Map



Enabler Map







Penrith heatwave 2016/17

**26
continuous
days of
extreme
heat**

**Energy
usage
surges,
blackouts**

**46.9
degrees at
Penrith
Lakes on
Feb 11**

**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**

**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

100 RESILIENT CITIES

RESILIENT SYDNEY

