

Strategic Partnership

.getting up close with your distributor

Workshop - United Energy and Local Government Strategic Planning

United Energy, MultiNet Gas, EAGA, SECCA

Wednesday 28th January 2015

Presented by Faye Adams
Snr ESD Officer
Manningham City Council

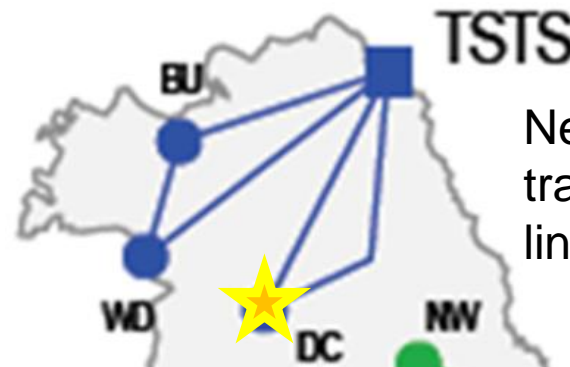
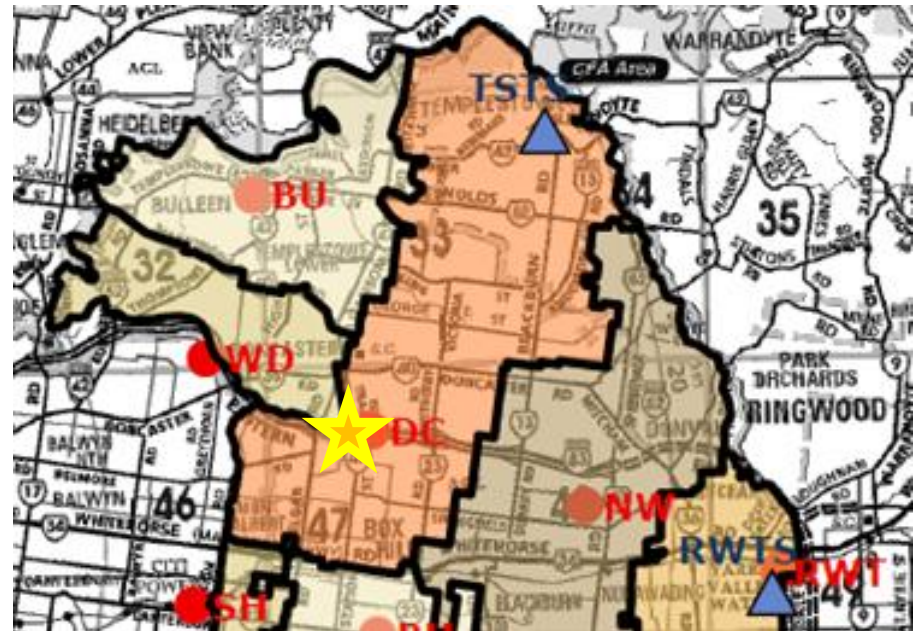


Doncaster/Templestowe

Network deferral opportunity



 Current opportunity
  Potential opportunity



New zone substation transformer and power lines by 2019/20 >\$8M

1910



1963



1965



Westfield opens 30th Sep 1969

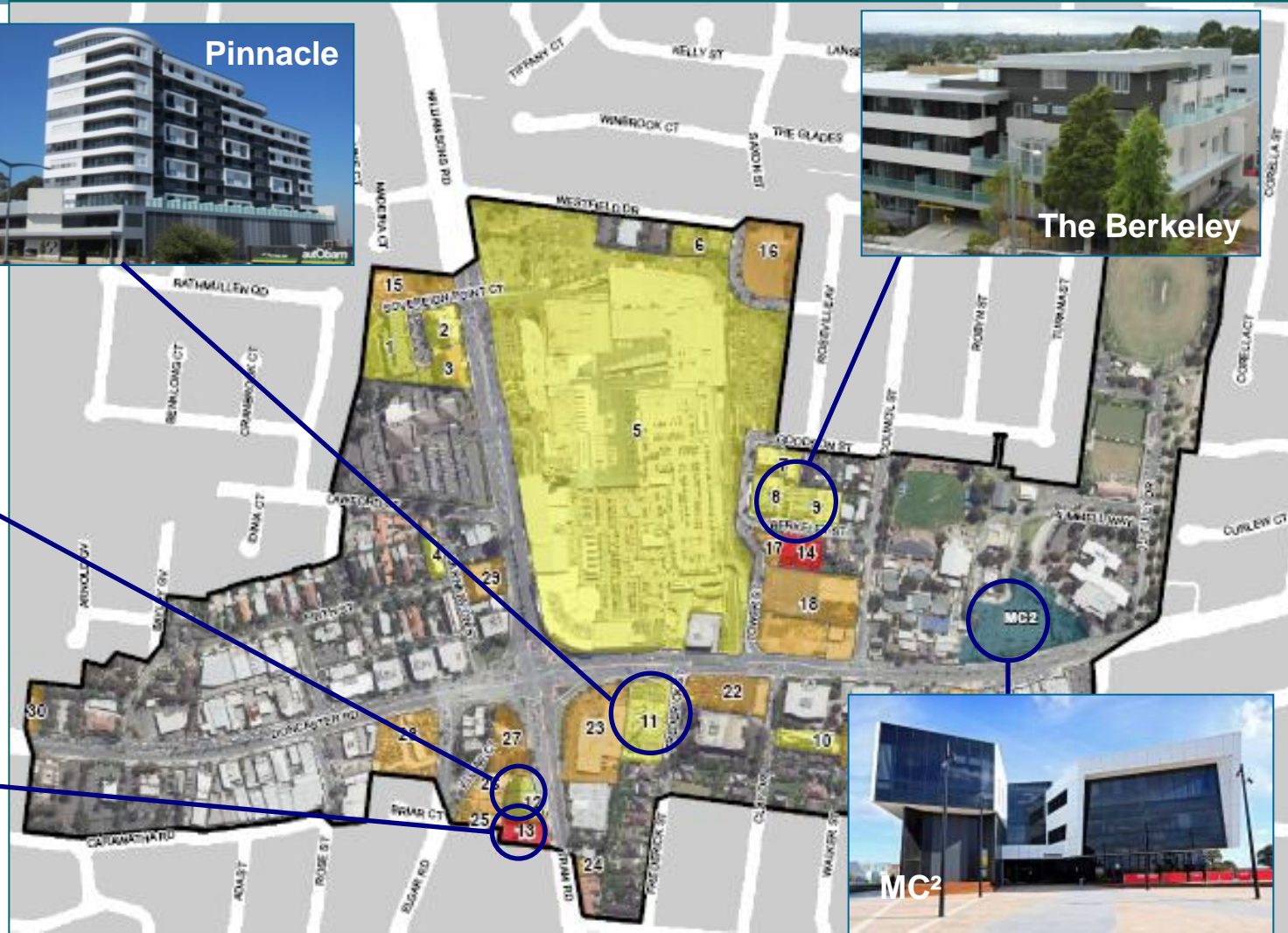
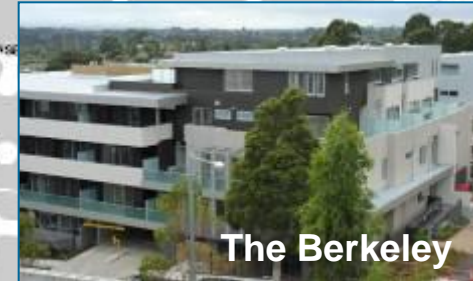
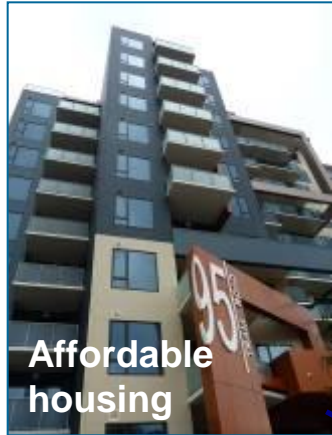


1992



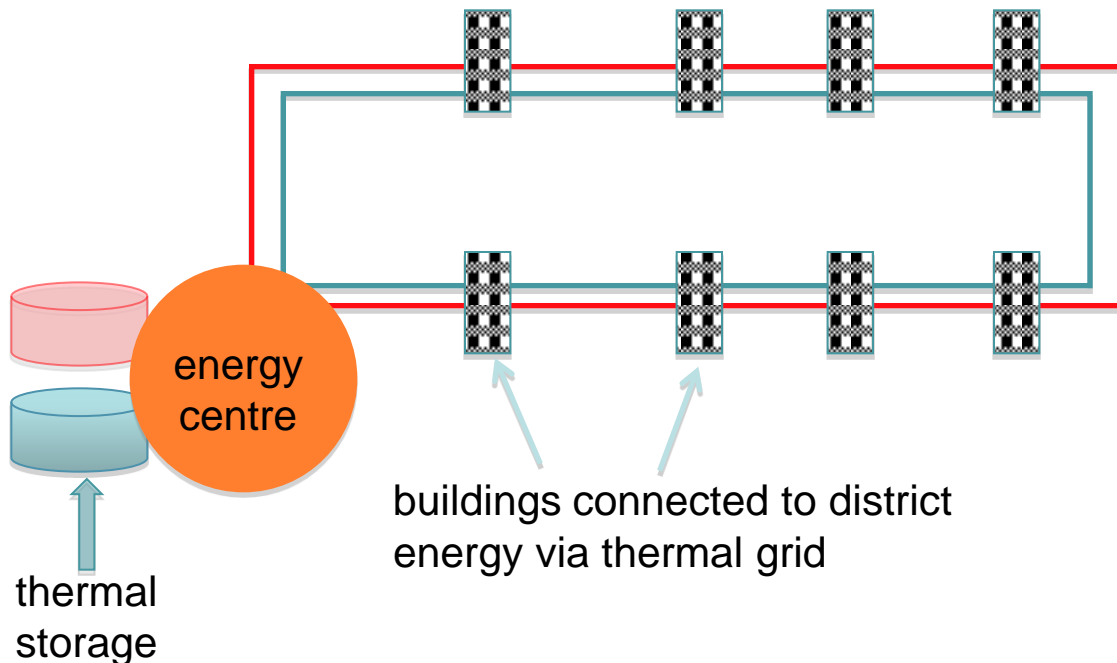
Westfield Oct 2008





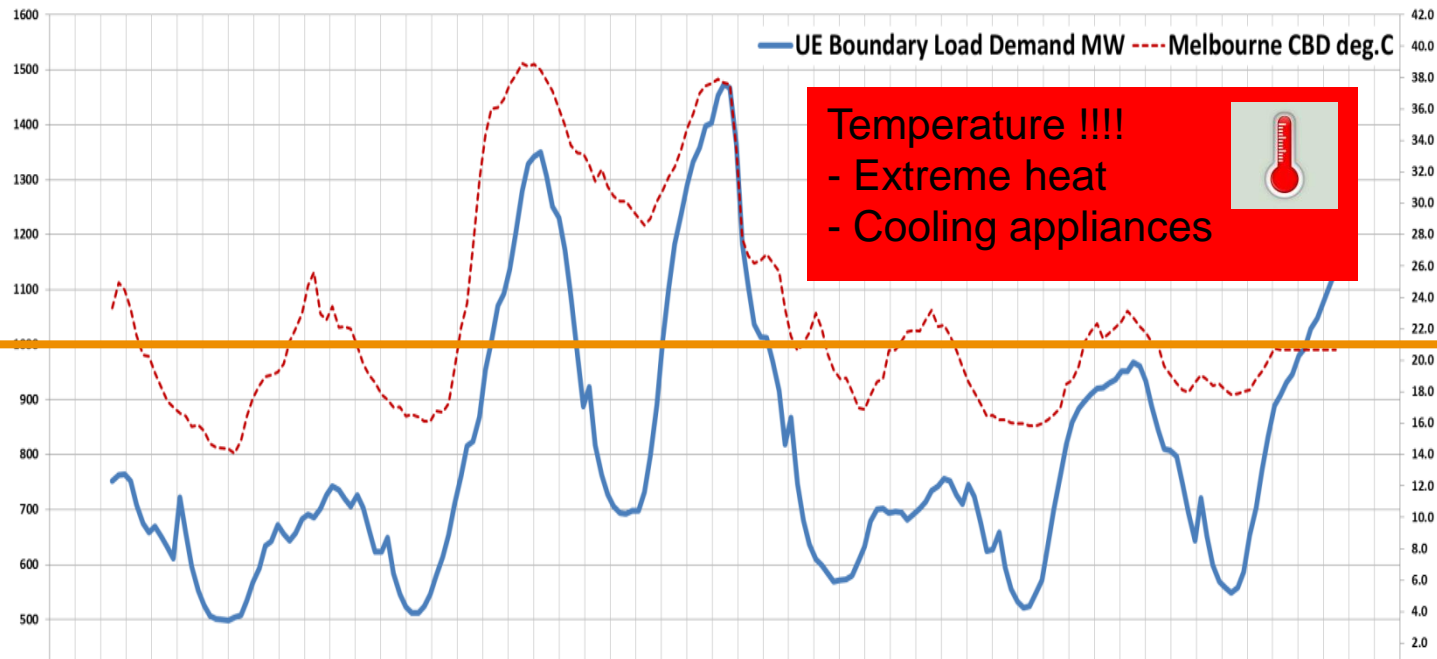


Sustainability and resilience



- GHG savings
= 23,000 tonnes pa
** equivalent to 25% LED streetlight conversion in Victoria
- energy savings
= up to 50% or more
- lower peak electrical demand
= 8.2 MW pa

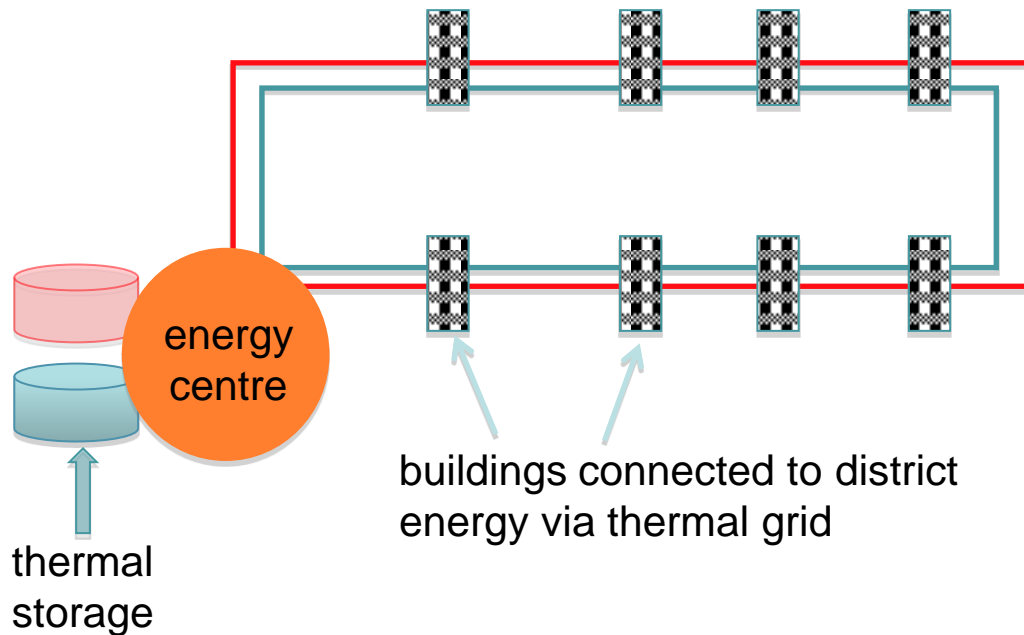
8.2 MW reduction in peak summer electrical demand



- Embedded generation – eg cogeneration & trigeneration
- Thermal storage – chilled water and hot water storage tanks
- Thermal network - load sharing across buildings, uses & times

District Energy for Doncaster Hill

Space and water heating for



- *Retail space*
- *Commercial space*
- Hospitals
- Universities
- *Government*
- Sports centres

Benefits to Community

- Supports transition to best practice energy networks for the 21st century
- Brownouts reduced - more resilient networks
- Lower bills – reduced energy usage & network fees
smoothing of peak demand –network service
and usage costs are reduced
- Incentives - direct behavioural incentives (\$25 rewards)
 - to purchase new equipment eg pool motors
PV plus storage etc

Benefits to Council

- Leadership - progresses Manningham's objectives
leadership, resilience, lower carbon footprint, cleaner energy,
greater energy efficiency, smoothing demand profile,
implement storage solutions, raising awareness and literacy
- Financial Savings – reduced energy costs
due to thermal infrastructure and energy savings
- Projects funded through DMIS
- Human Capital and IP - Strategic Partner
access to United Energy's human capital and IP

Benefits to United Energy

- Brownouts reduced - more resilient networks
- Financial Savings – 10% per year on estimated CAPEX
approx \$1.5 M in 2015
- Progresses UE Vision – provides practice field
infrastructure investments in the order of \$millions and \$billions
30 year project life once built
- Responding to Australian Energy Regulator requirements
- Services Innovation - trial innovations to Business Model
and new services

District Energy for Doncaster Hill



District energy -
one way to defer expansion
of the United Energy network