

Strategic Partnership

.getting up close with your distributor

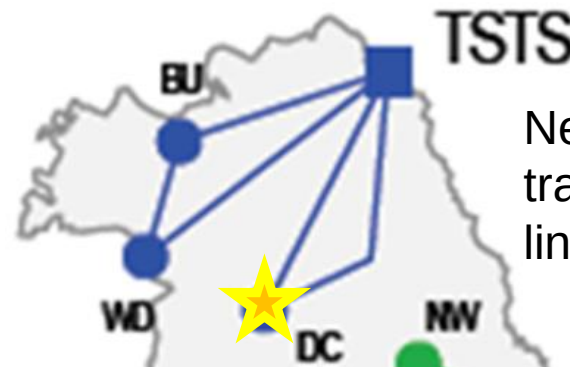
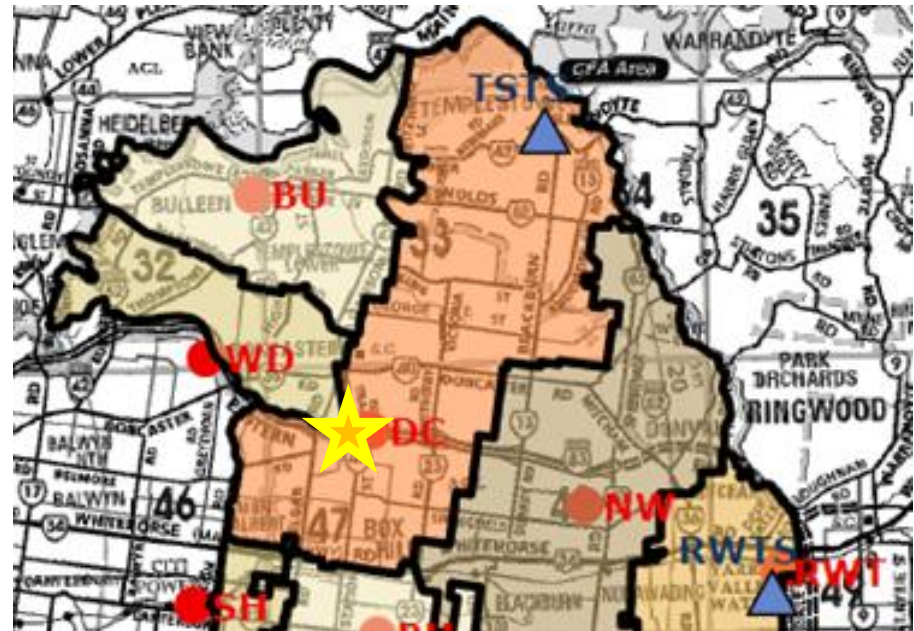
Workshop - United Energy and Local Government Strategic Planning

United Energy, MultiNet Gas, EAGA, SECCA

Wednesday 28th January 2015

Presented by Faye Adams
Snr ESD Officer
Manningham City Council





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

1910



1963



1965



Westfield opens 30th Sep 1969

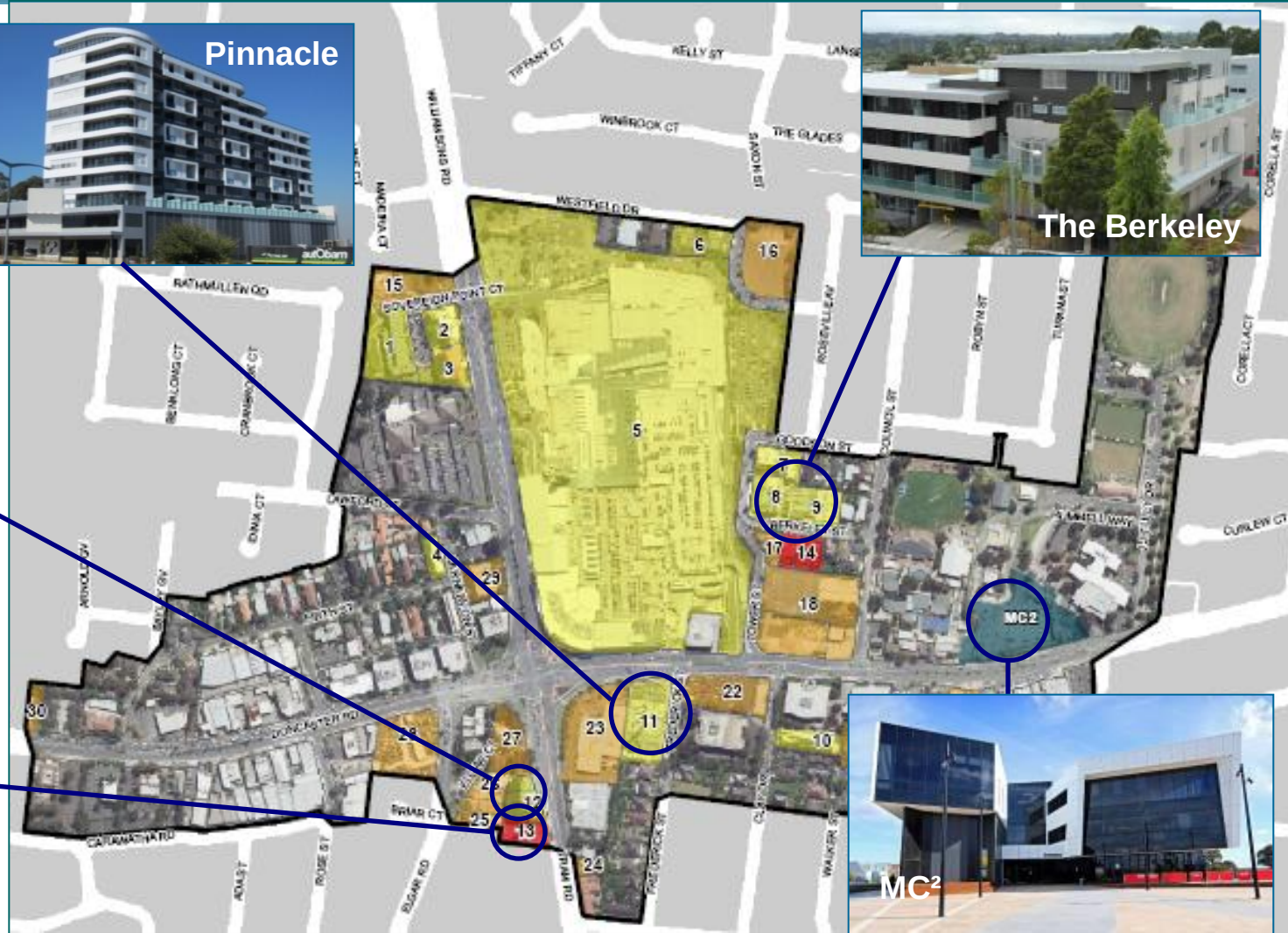
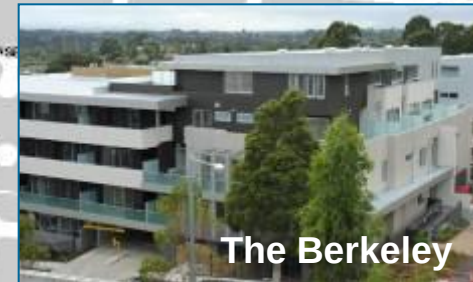
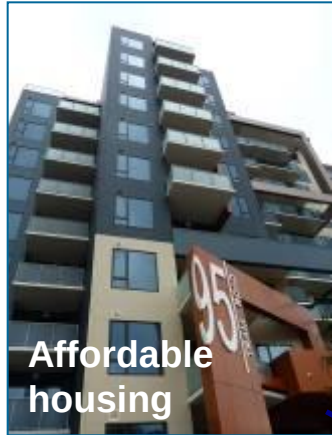


1992



Westfield Oct 2008



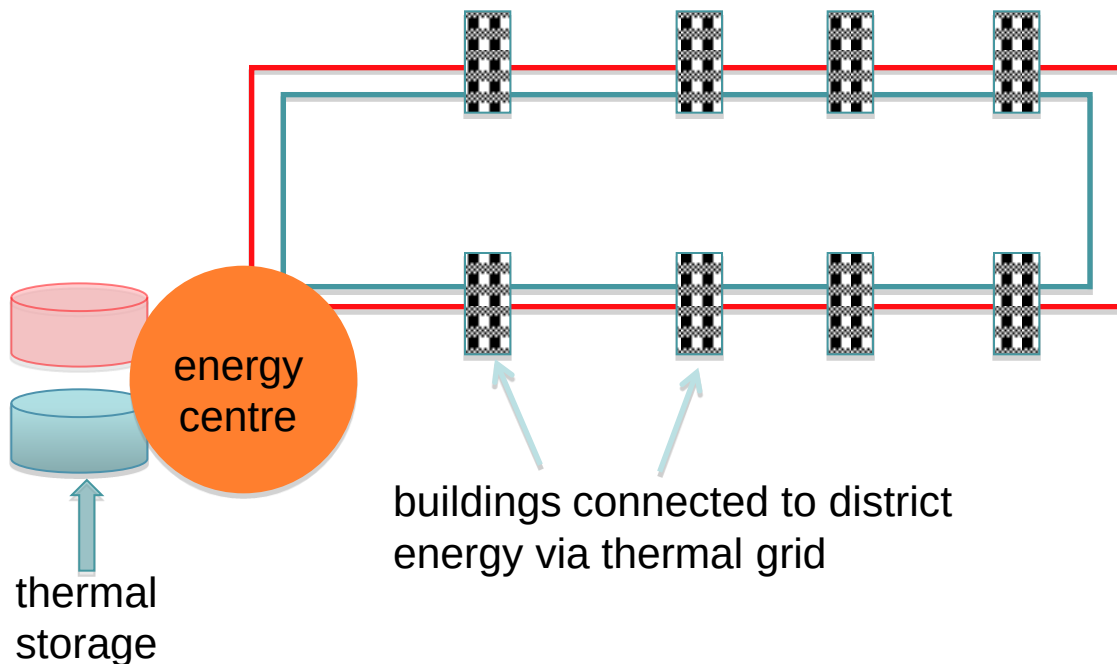




SOLD

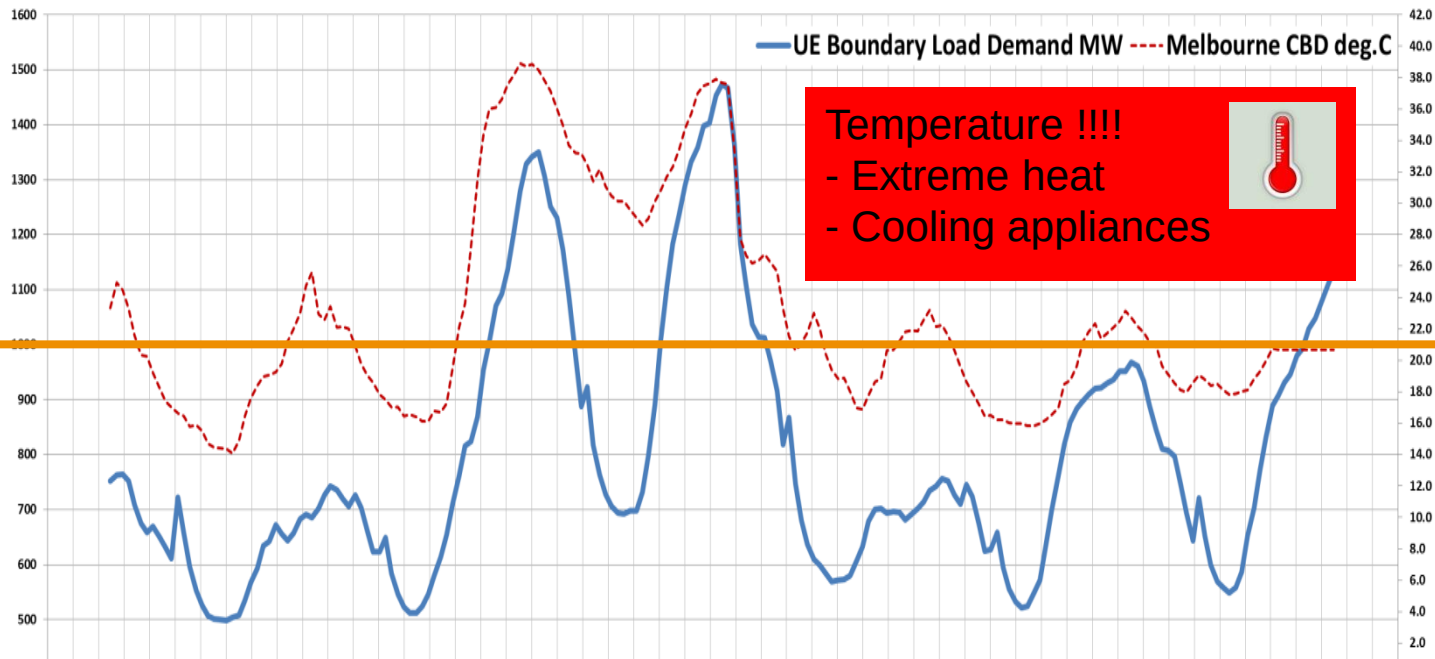
For more information contact Bryan Roberts 9546 1234

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

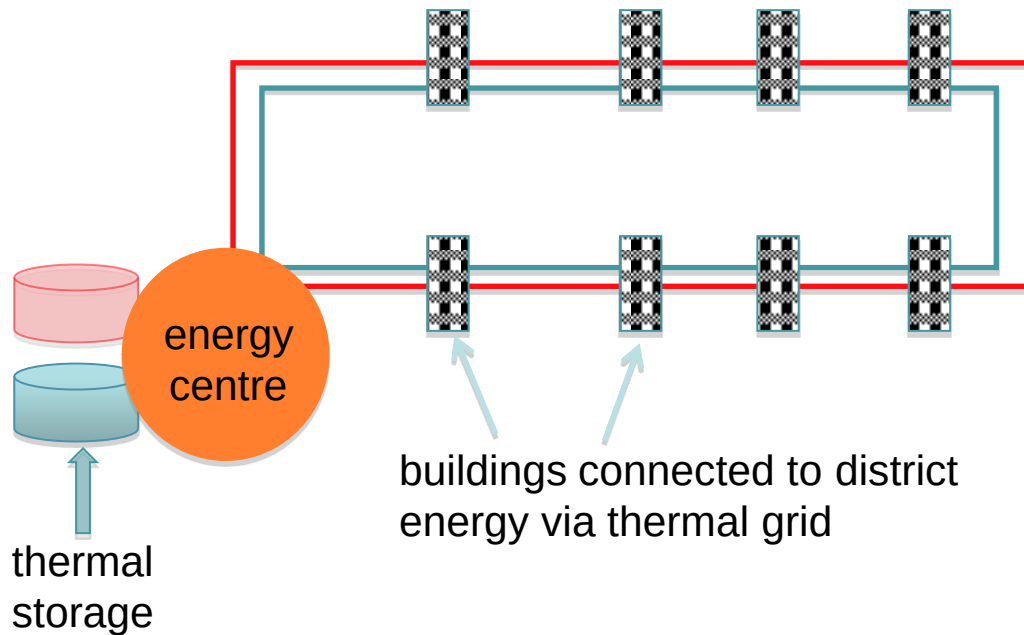
8.2 MW reduction in peak summer electrical demand



- 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

Vision for Doncaster Hill – a 21st century sustainable urban village

- fast and frequent SmartBus
- advocating for Doncaster Rail
- recycled water - third pipe & treatment plant

and district energy ?



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