



District Energy for Doncaster Hill



Strategic Partnership

.getting up close with your distributor

EAGA Workshop - Local Government response to the
Electricity Distribution Price Review (EDPR)

Tuesday 24th June 2014 at MAV offices

Presented by Faye Adams
Snr ESD Officer
Manningham City Council





Very Successful Collaboration – Why?



1. Strategic Drivers at MCC & UE

MCC Doncaster Hill Vision, Smart Energy Zone

UE Demand Management Strategy,
UE Vision – intelligent network

2. Opportunity

Network Constraint (Doncaster / Templestowe substation –
\$10M to \$15M for new substation to meet predicted 20MW demand)

3. Government Policy and Funding

AER Demand Management Incentive Scheme

OUTCOME: MOU - Strategic Partnership - Aug 2011

- 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 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

- **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
- **Progresses MCC objectives**
leadership, resilience, lower carbon footprint, cleaner energy,
greater energy efficiency, smoothing demand profile,
implement storage solutions, raising awareness and literacy

1. Innovation leaders within each organisation
eg UE Manager Network Planning, MCC Strategic ESD Officer
2. Commitment at Chief Executive Officer level
3. Find opportunities / real problems to solve together
4. Seal joint collaboration with a

*Memorandum of Understanding
signed by CEO's*

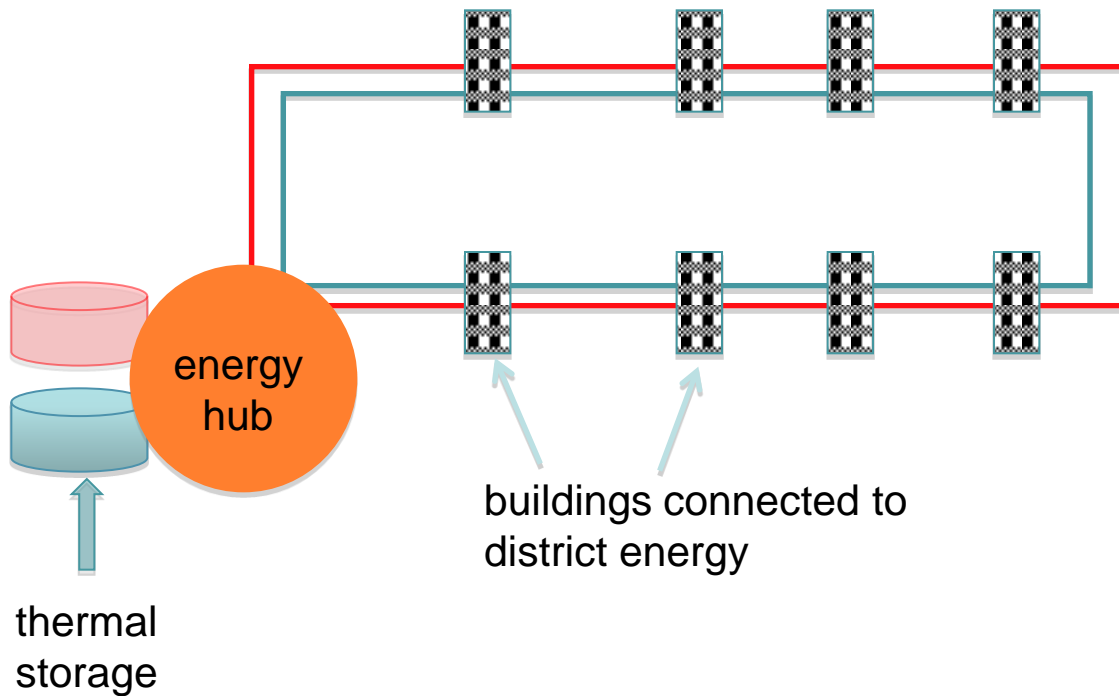
Doncaster Hill -

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

and district energy ?



Sustainability and resilience



- GHG savings
= 23,000 tonnes pa
- energy savings
= up to 50% or more
- lower peak
electrical demand
= 8.2 MW pa