

Doncaster Hill Smart Energy Zone Fact Sheet



What is a Smart Energy Zone?

A Sustainability Victoria-led initiative; Smart Energy Zones seek to demonstrate that by developing local energy opportunities, communities can dramatically and cost-effectively reduce their greenhouse gas emissions and play an important role in meeting their own energy needs.

Centralised energy infrastructures waste more than two-thirds of their energy. In Smart Energy Zones local energy generation is established, including small scale renewables and cogeneration. Cogeneration locally produces heating and electricity through a gas microturbine.

Doncaster Hill has been chosen as the location for one of six Smart Energy Zone projects in Metropolitan Melbourne.

Why on Doncaster Hill?

Doncaster Hill has been chosen for a Smart Energy Zone because it:

- Is a *Melbourne 2030* Principal Activity Centre (PAC)
- Is one of five targeted, development-ready PACs
- Has planning framework and policies in place
- Has opportunities for demonstration projects
- Has opportunities for innovative energy models
- Supports place making
- Has the ability to attract funding
- Links with public transport advocacy

Doncaster Hill Smart Energy Zone vision

The vision for Doncaster Hill's Smart Energy Zone is to create an internationally recognised urban environment which embraces total sustainability in terms of energy, water, transport, built environment and landscape. Subsequently, people living and working in Doncaster Hill will have improved quality of life.

Council's goal is to significantly reduce greenhouse gas emissions generated from the operation of buildings in the Doncaster Hill Civic Precinct and achieve zero net emissions by 2030.

The main feature of the Doncaster Hill Smart Energy Zone will be an energy efficient tri-generation facility in the Civic Precinct



Turbines and roof garden at Melbourne City Council's CH2

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Community Centre, which will be connected by a micro-grid to the existing Council Offices and supply heating, cooling and power generated.

Doncaster Hill Smart Energy Zone Action Plan

The Doncaster Hill Smart Energy Zone Action Plan seeks to formulate a sustainable energy road map that is applicable at all scales - sites, precincts, across precincts and whole of Doncaster Hill - in pursuit of three objectives:

- reducing energy demand and greenhouse emissions
- embracing local sustainable energy generation
- innovating - establishing Doncaster Hill as a sustainability laboratory

The Action Plan includes analysis of how different development sectors; residential, retail and commercial, can improve efficiencies in buildings and reduce occupant demand for energy.

Funding

In June 2009 Council was awarded \$500,000 grant funding from Sustainability Victoria and \$1.5 million from the Federal Government's Green Precincts initiative.

Find out more about the Doncaster Hill Smart Energy Zone at www.doncasterhill.com/ProjectOverview_SustainableHill.htm.

