





EnergySmart Public Housing Research Project

Funded by the DELWP through the Sustainability Fund
& DHHS

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Environment Unit- Property and Asset Services

What is EnergySmart trying to achieve?

-  **Deliver savings in energy costs and improvements in thermal comfort for public housing tenants.**
-  **Contribute to the knowledge regarding the current energy efficiency of the Victorian public Housing stock and drive on-going standards.**
-  **Limit greenhouse gas emissions arising from energy use in Victorian Public Housing.**
-  **Support climate change adaptation in Victorian Public Housing.**

What is the EnergySmart research project?

Hot water system upgrades



650 homes

Heating system & thermal shell upgrades



650 homes

Thermal shell upgrades

Scorecard assessment

Upgrade type

- Standard
- Premium
- Climate-adapted

200 homes

Electrical resistance appliances replaced by heat-pumps

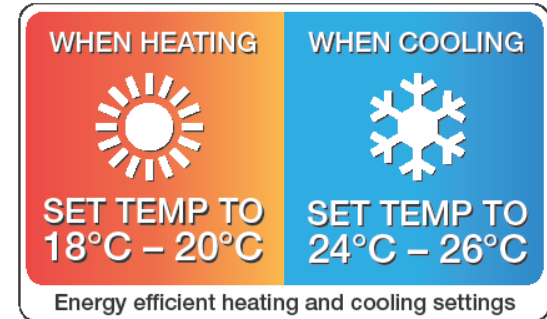
Heating and cooling research design

Research sub-groups

- ➔ Technical upgrade
- ➔ Behaviour and tariff support
- ➔ Technical upgrade and behaviour and tariff support
- ➔ Control

Data collected

- Temperature and humidity
- Energy usage data
- Surveys



EnergySmart

Simple effective ways to save energy and money on your bills

Managing your home's temperature

- In hot weather close or shade windows to keep the heat out
- In cold weather at night close curtains or blinds to retain heat
- In cold weather open the curtains and blinds to allow in natural light and sunlight to warm up your home
- Wear light, loose clothing in hot weather
- Layer up or use thermals in cold weather
- Close off rooms you do not need to cool or heat, to reduce energy costs
- Turn off air conditioner or heater when you are not home
- Aim for 24-26°C when cooling in hot weather. Every degree lower can add 10% to running costs
- Aim for 18-20°C when heating in cold weather. Every degree higher can add 10% to running costs

Ways to save year round

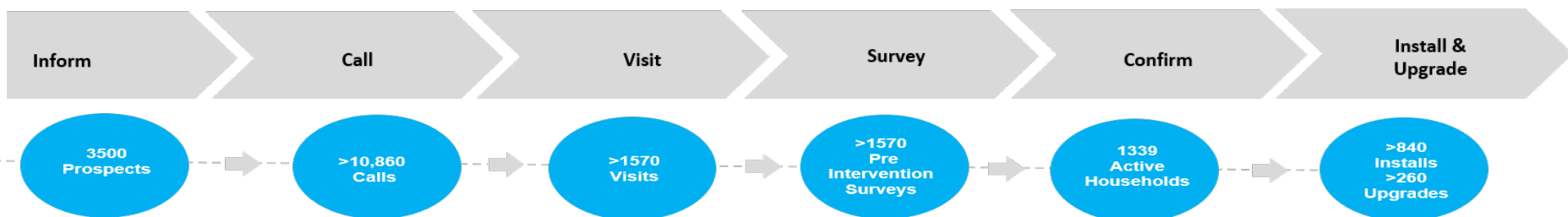
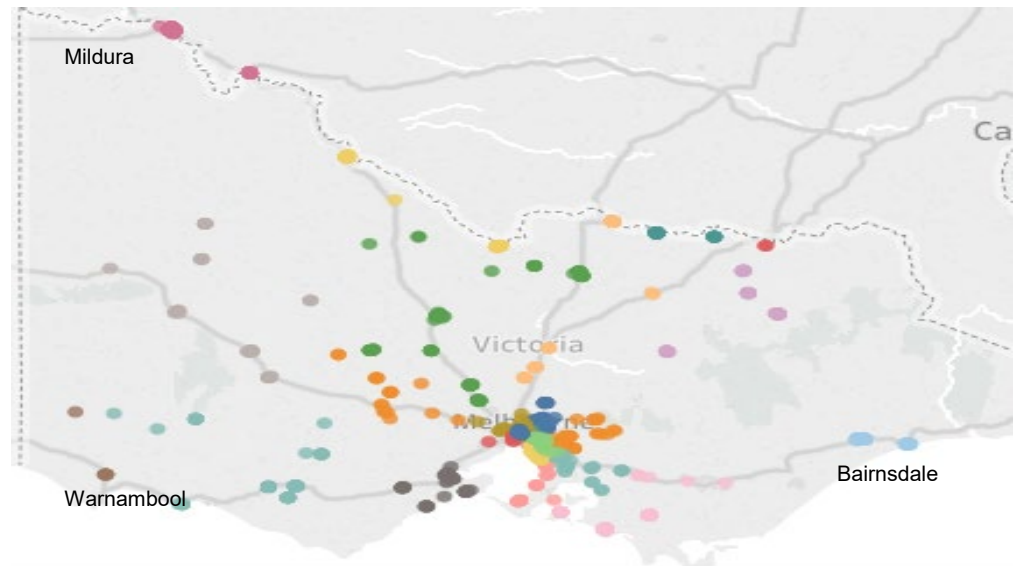
- Ask your retailer for a better energy rate or compare to others online at compareandswitch.vic.gov.au
- Switch off lights when you leave a room and use LED lighting if you replace globes
- Wash your clothes in cold water and line dry to avoid using a clothes dryer
- Check that the seals on your fridge and freezer are working
- Switch off your appliances at the plug to avoid paying for stand by power

For more information or energy smart advice call 1300 077 015



EnergySmart engagement

- Across Victoria
- Low rise dwellings
- Department managed
- Separate energy bills
- Electric resistance appliances
- Different ages, building types and climate zones

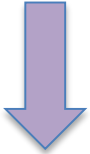


The EnergySmart findings to date

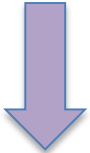


What next for EnergySmart ?

Monitor



Data collection



Analyse



Report

