

Embracing electricity to cut your bills at home

The Victorian Government's Gas Substitution Roadmap is helping our State navigate the path to net zero emissions while cutting energy bills.

The Roadmap outlines how we will use energy efficiency, electrification, hydrogen and biomethane to drive down bills and cut carbon emissions.

It will also ensure that Victorians have access to an affordable, secure, reliable, and safe supply of energy.

Running your home on electricity will save you money and reduce your carbon emissions. When major gas appliances, such as gas heating or hot water systems, reach the end of their life, it's a great time to consider upgrading them with an efficient electric option.

Whole-of-house gas heating systems and evaporative cooling systems can be replaced with a reverse cycle heating and cooling system. Gas hot water systems can be replaced with heat pump hot water systems, which are highly efficient, and can heat water for free from solar panels. Incentives are available through the Victorian Energy Upgrades (VEU) program to support households to undertake these upgrades. Gas cooktops can be replaced with modern induction cooktops - which are safer, faster and easier to clean.

Converting an existing home with solar panels from gas to electricity **can save around \$2,000 a year on energy bills**. This is in addition to **around \$740 of savings per year** from an existing 6.6 kW solar system.

Renovations are another excellent time to consider switching to efficient, electric appliances. Many renovations focus on living spaces - those areas that are most used and require the most energy for heating and cooling. They also often have older appliances, which are due for replacement.

Renovations should also focus on improving the efficiency of the building to further reduce energy bills and emissions. [The Victorian Residential Efficiency Scorecard](#) can help.



For more information on the Gas Substitution Roadmap, please visit [energy.vic.gov.au/gas/victorias-gas-substitution-roadmap](https://www.energy.vic.gov.au/gas/victorias-gas-substitution-roadmap).

Please see next page for examples of cost savings.

For more information,
visit the following:

<https://www.energy.vic.gov.au/households/save-with-all-electric-home>

<https://www.energy.vic.gov.au/for-households/victorian-energy-upgrades-for-households>

www.energy.vic.gov.au/renewable-energy/victorias-gas-substitution-roadmap

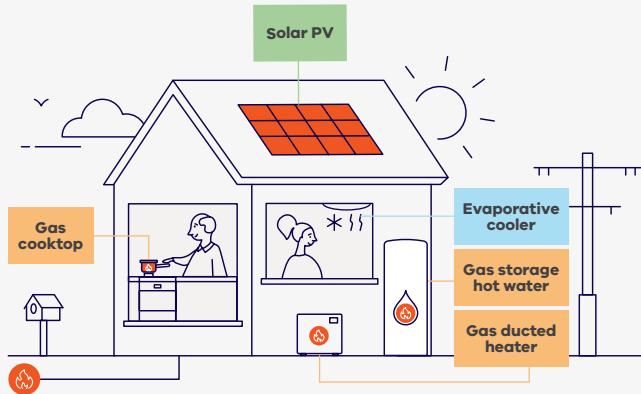
<https://www.solar.vic.gov.au/>

<https://www.secvictoria.com.au/powerup>

Example:

Costs of converting an existing solar home from dual-fuel to all-electric (with multi-split heating/cooling)

Dual-fuel:



Appliance and install costs*

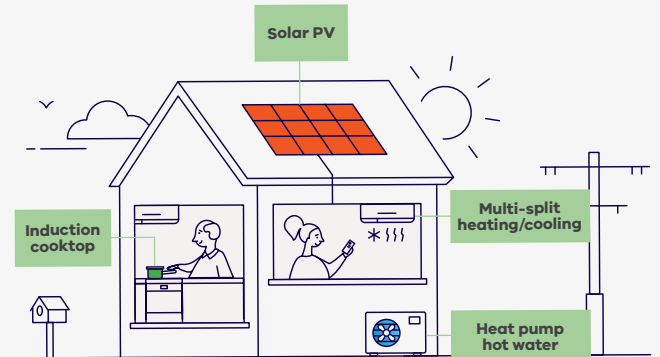
Heating and cooling	\$10.2k**
Hot water	\$2k
Cooktop (inc. fixed charge)	\$1.9k
Solar	Existing
Total (appliance + installation)	\$14.1k

Bill costs

Electricity bill	\$890
Gas bill	\$2,530
Annual energy bill	\$3,420

*Does not include site-specific upgrade costs (eg. duct modifications)
 **Heating and cooling costs for dual-fuel and all-electric are estimated for an average existing home size (DEECA Housing Stock Model). New homes are typically larger (Australian Bureau of Statistics) and require bigger, more expensive heating and cooling systems.

All-electric:



Total appliance and install costs*

	Total appliance and install costs*	Costs after incentives and rebates**
Heating and cooling	\$8.5k	\$2.9k
Hot water	\$4.2k	\$1.9k
Cooktop	\$2.3k	\$2.2k
Solar	Existing	Existing
Gas capping and abolishment costs	\$0.5k	\$0.5k
Total (appliance + installation)	\$15.5k	\$7.5k

Bill savings***

Heating and cooling	\$1,010 saving
Hot water	\$330 saving
Additional solar savings	\$330 saving
Cooktop (inc. fixed charge)	\$350 saving
Total savings	\$2,020 saving
Annual energy bill	\$1,400

*Does not include site-specific upgrade costs (eg. switchboard upgrade)
 **Includes potential Solar Homes rebates, VEU discounts and small-scale technology certificates (STCs) where applicable.
 ***Average annual savings, 2024 dollars

We acknowledge Victorian Traditional Owners and their Elders past and present as the original custodians of Victoria's land and waters and commit to genuinely partnering with them and Victoria's Aboriginal community to progress their aspirations.



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energy.vic.gov.au/renewable-energy/victorias-gas-substitution-roadmap