

# SUSTAINABLE HOMES BY DESIGN



## YOUR SUSTAINABLE HOME AT GEORGES COVE RESIDENCES BY MIRVAC

Your Mirvac home at Georges Cove Residences has been designed and built to achieve a high level of sustainability, making it more comfortable to live in and reduce energy consumption and bills. Those who want to reduce their carbon footprint further can choose from a range of Clean Energy System upgrades that will deliver immediate benefits.

### DESIGNED FOR SUSTAINABILITY

The homes at Georges Cove Residences include a number of design features and inclusions that increase their sustainability. For example:

- » Energy efficient LED lighting throughout, designed to use much less energy than a typical BASIX compliant home.
- » Energy efficient appliances and water efficient tapware.
- » Mirvac attention to detail during construction reduces unintended air leakages and draughts so that your air conditioning and heating systems are not working overtime to compensate.
- » Layout of the homes, including window placement have been designed in consideration of solar aspect.
- » Doors and windows are positioned to allow cross flow ventilation allowing the breeze to naturally cool your home.
- » Rainwater tanks are provided to reduce mains water use for toilet flushing and landscape irrigation.

## SUSTAINABILITY UPGRADE OPTIONS

1

### Induction cooktop to replace gas cooktop

- » Safer with no open flame and only heats up when pan is in contact.
- » Healthier by removing fossil fuels from your home.
- » Easier to clean.

2

### Heat pump hot water system

- » Energy efficient and cheaper with lower running costs than gas hot water systems.
- » Faster delivery of hot water.
- » Safer with no live flames near the house.
- » Avoids burning fossil fuels.

3

### Provision for EV car charger

- » Pre-wiring for EV charging infrastructure includes a protected 30Amp circuit for you to fit your EVs charging station.
- » EVs can be operated with fewer carbon emissions than standard cars and are cheaper to run.

4

### 5kW Solar PV panels with energy monitor app

- » Save on your energy bills and sell any unused energy back to the grid.
- » Reduce your home's carbon emissions and help to reduce the impact of climate change.
- » Generate approx. 80% of your household electricity consumption and save approx. 55% of electricity costs<sup>2</sup>.

5

### Clean Energy System - 5kW Solar PV panels and 10kWh Battery with energy monitor app

- » Save up to 80% of electricity costs<sup>2</sup> by storing your solar power to use when you need it, rather than selling it all back to the grid.

6

### Energy sub-meter with energy monitoring app

- » Take control of your consumption. Better understand where and when you consume energy, so that you can make informed decisions on how you use and save power.
- » After living in the home for a few seasons or a year, use the data from the smart meter to determine the best solar PV and/or battery system for you, based on the way you live in your home.



Artist's impression was produced prior to planning approval, statutory approval and commencement of construction and is subject to change. The information, image and artist's impression depicting interiors, exteriors and landscaping are intended only as a guide and are not to be relied on as a representative of the final product. Design of the pocket park is an indicative design and its materials, colours, shape, size and design are not finalised and subject to change.

## RECOMMENDED SUSTAINABILITY BUNDLES:

### ALL ELECTRIC HOME

OPTIONS 1 & 2

- » A transition away from fossil fuels (incl. natural gas) and towards electrification has been identified as a key action in achieving the Paris Climate change Agreement temperature targets.
- » Electric heat pump hot water systems have lower running costs than gas and will therefore save money on your energy bills.
- » The electricity grid is getting greener every year, meaning in the not too distant future electricity will be a cleaner option than gas.

### ZERO OR LOW ENERGY HOME

OPTIONS 1 & 2 + 4 OR 5

- » Including solar (and batteries) to your all-electric home, gives you the potential to offset some of the cost of the energy you use with solar PV.
- » Dependent on the number of residents and your energy consumption patterns, this size system could see you operating as net zero energy over the year.
- » A new home with fully electric appliances and a 5kW solar PV in Sydney could lead to cost savings of \$10,000 over 10 years<sup>3</sup>.

1. Consumption based on estimated typical usage for the Moorebank Postcode for homes with 4 or 5 occupants. Your household's usage may vary ([www.energymadeeasy.gov.au](http://www.energymadeeasy.gov.au)) 2. Assuming 30% of household electricity consumption is supplied directly by the solar panels during daylight hours. These values will vary dependent on the number of residents and how and when you use power in the home 3. Based on NPV calculation undertaken by the Alternative Technology Association, when compared to a typical home with both gas and electric appliances and no solar [https://renew.org.au/wp-content/uploads/2018/08/Household\\_fuel\\_choice\\_in\\_the\\_NEM\\_Revised\\_June\\_2018.pdf](https://renew.org.au/wp-content/uploads/2018/08/Household_fuel_choice_in_the_NEM_Revised_June_2018.pdf). Purchasers should undertake their own enquiries regarding potential savings.