



Providence Lifestyle

Piara Waters Resort

WA'S FIRST 100% SOLAR & BATTERY
MICROGRID LIFESTYLE RESORT

BUT
IT'S MORE THAN JUST THAT



THE STORY BEHIND PROVIDENCE'S TECHNOLOGICALLY ADVANCED HOMES

At Providence Piara Waters Lifestyle Resort, our technology-advanced homes set an enviable new benchmark for lifestyle resort living in Western Australia.

These state-of-the-art smart homes are energy generating, energy efficient and acoustically quiet.

They feature high-end technology, hardware, software and energy efficient inclusions – such as thickened or double glazed windows, insulation and acoustic treatments, and additional electrical, fibre and communications wiring – which would cost between \$35,000 and \$50,000 for a typical home in the suburbs, depending on its size and orientation.

Our industry-leading solution is the product of collaboration with eight specialised companies to supply and install the necessary equipment including cutting edge solar photovoltaics, batteries, inverters and special switching and metering devices.

We coordinated with the experienced embedded network microgrid designers, electrical, fibreoptic data, voice and metering consultants, environmental efficiency and acoustic consultants, computer hardware and software technicians, so that each home could connect to our Resort and infrastructure network.

FOREVER HOME TECHNOLOGY

Providence Piara Waters Lifestyle Resorts sophisticated build technology delivers Resort Homeowners:

- Uninterrupted fast internet (with the TCS package option)
- The ability to add smart home technology
- Zero or very low power bills
- The option to have backup power in outages
- Smart metering
- Highly insulated homes
- Delightfully quiet homes
- WIFI access in each home & the Resort Clubhouse
- Free phone calls to other Resort homeowners within the Resort.

Each home also features a video intercom to the Resort's front gate, providing a convenient way to let your visitors in.

When the resort gates are closed you can opt in to have our auto recognition car numberplate technology automatically open the gate for you and your chosen relatives.

Booking Resort facilities for a special function or gathering is as simple as touching a few buttons on your smart phone/tablet, and accessing the Providence app.

If you choose the Providence Technology Communications Solution (TCS package) you can also enjoy free phone calls to anywhere in Australia.

Our Providence smart homes makes your potential future needs to age in place simpler, allowing important family members to be automatically notified, via smart technology, if your daily routine changes.

Providence. Where your Resort home can be your forever home.

The floorplan used for illustration is of the Feeling Groovy design and therefore features may slightly vary depending on the home design.



TV point
to allow free
to air channels
including resort
security camera
surveillance.

A wireless access
point permits wire-
less devices such as
phones, tablets and com-
puters to be connected
to the communication
network.

The Photovoltaic
Inverter and battery
storage collects and stores
power from the solar panels
and is integrated with the
rest of the resorts electrical
infrastructure to provide a
significantly lower power
bill to homeowners.



Wall mounted communication tablet to allow vision and voice communication with visiting guests at the resort entrance to remotely open the gates to allow entry.

Internal switchboard and load centre.

The homes meter box and main electrical connection to prevent unnecessary access within the home. The meter box accommodates the main circuit protection to the home, metering and solar panel controls.

Phone point and handset providing free calls between homeowners within the resort.

The Resort's communications network infrastructure connects to each home via fibre optic cabling. This external point then connects to the homes internal communications rack.

The homes communication hub is located in the second bedroom wardrobe where the home network points are cabled to connect the Resorts communications infrastructure.

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WA'S FIRST 100% SOLAR AND BATTERY MICROGRID LIFESTYLE RESORT

Our focus on sustainability, affordability and convenience has paved the way for Providence Piara Waters Lifestyle Resort to become the first lifestyle resort in WA with 100% of its homes connected to a solar battery embedded network microgrid.

In order to achieve this level of sustainability and remove or heavily reduce our Homeowner's power bills, we had to ensure that each home was designed and constructed with advanced technology.

It delivers homes free energy up to 8 kW every day, and avoids Western Power's daily supply charge altogether, providing residents with savings of around \$20 to \$40 each week in power and supply charges compared to what Homeowners may have experienced in their previous suburban homes. Significantly reducing each Resort Homeowner's weekly cost of living.



SPOTLIGHT ON ENERGY ADVANTAGES

Thanks to our adoption of the German designed, Fronius Solar Energy technology:

- The entire Resort acts like a solar farm, sharing the solar energy collected during the day, for use at night.
- Sophisticated switching technology can draw power from batteries if Western Power fails*.
- Simultaneous supply of the loads and charging of the battery is possible during outages.
- Each homeowner has the option to have backup power in a Western Power outage at a cost of approximately \$1,500. As special additional switching devices required under Western Power guidelines needs to be added and configured allowing the backup power to automatically activate in a Western Power suburb outage.
- Providence Piara Waters Lifestyle Resort provides and maintains all the infrastructure and servicing requirements to each home until at least 2035.

**Additional cost*

Right: Solar battery storage.



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