

RIVERMARK

• VIVEASH •

Sustainability Guide

Rivermark is designed and developed to address the principles of sustainable urban living.

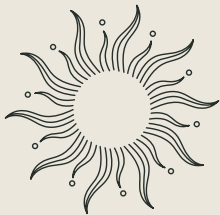
The vision is to create an urban residential community that has strong connectivity with public spaces along Swan River foreshore reserve. Rivermark supports net zero carbon living through energy efficiency and renewable energy, incorporates water sensitive design, and helps to re-establish the natural environment of the area.

The development strongly acknowledges Indigenous heritage along with the more recent European heritage of the Midland Brickworks that once occupied the site.

Rivermark aims to create the foundation for the emerging community to be sustainable, healthy and inclusive.

Rivermark is an EnviroDevelopment accredited estate, endorsed against all six elements of the certification framework: Energy, Water, Materials, Waste, Community and Ecosystems. This is the highest level of achievement possible under this framework.

ENERGY



Rivermark is enabling carbon free-living.

Homes are all-electric, powered by renewable energy systems on every rooftop.

Building Design Guidelines are in place to inform climate responsive design that will enhance occupant health and comfort and improve energy efficiency.

Combined, these efficiency measures will reduce average household energy consumption by more than 50%.

WATER



Rivermark is designed to be a water sensitive 'waterwise' development.

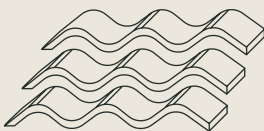
Extensive public open space areas, connecting existing waterways with the Swan River via the foreshore reserve, incorporate predominantly locally native Swan Coastal Plain plants to re-establish ecosystem health.

All lots sold will include waterwise landscape packages.

Building Design Guidelines will ensure all homes will be plumbed ready to be connected to rainwater tanks and grey water systems, and include water efficient fixtures such as shower-heads, taps and toilets.

These waterwise initiatives will reduce potable water use by more than 20% compared to the Perth average.

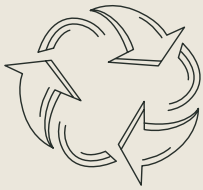
MATERIALS



All development works will incorporate recycled construction demolition materials. Innovations in materials reuse include:

- Recycled asphalt in roads - 64% by volume across the whole project.
- Recycled sand and crushed brick for clean fill - more than 200,000m³ across the site.
- Concrete drainage pipework to be replaced with HDPE (High-Density Polyethylene), which is a relatively low-energy material to produce.
- Recycled timber, soil, bricks and other materials in landscape elements.

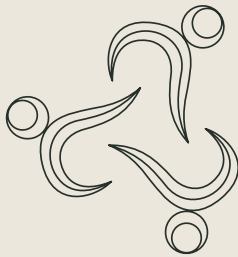
WASTE



Construction Waste Management and Recycling will significantly reduce waste during all phases.

Building Design Guidelines ensure that all residential construction incorporates a waste management and recycling program to divert up to 80% of valuable resources away from landfill and the potential for reuse within the development area.

COMMUNITY



Rivermark is designed for safe and accessible community interaction and quality of life. The estate will integrate residential, commercial and public uses to invigorate the community:

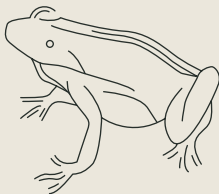
There will be a series of public spaces throughout the site performing different functions for the community:

- Public spaces dispersed, well connected, shaded and highly accessible.
- A dedicated public foreshore area with passive and active public open spaces.
- A community hub is planned adjacent to the Swan River foreshore.
- Pedestrian and cycle paths throughout the estate and a major cycle path along the foreshore reserve that connects to the City's broader existing principle shared path.

Whadjuk Elders have been involved in a co-design process to embed cultural narratives and Indigenous knowledge into the landscape and public areas.

Community social events and 'meet ups' for buyers and new residents will be ongoing as development stages are released, and will include sustainable-living workshops such as waterwise landscaping and gardening.

ECO SYSTEMS



Rivermark will restore the site to help improve ecosystem health and improve stormwater quality flowing into the Swan River.

Through the retention of the site's remnant vegetation, coupled to the creation of new areas of vegetated open space, Rivermark creates ecological linkages which will run from the Swan River foreshore, through the area of quality existing vegetation and onto the Blackadder Creek and Bush-forever areas. These linkages are designed to attract native fauna species to the site, such as bandicoots, reptiles, and amphibians, and to allow them safe movement.

The project will incorporate a substantial tree planting program, creating significant avenues of tree canopy throughout.

Locally native and selected exotic trees will be planted to produce shade and habitat for native birds and other fauna.

RESOURCES/FURTHER INFORMATION:

Your Home

"Australia's independent guide to creating sustainable homes for the future."

Your Home is a suite of consumer and technical guide materials and tools developed to encourage the design, construction or renovation of homes to be comfortable, healthy and more environmentally sustainable. <http://www.yourhome.gov.au>

Government Energy information and services

Practical advice to reduce your home energy bills, improve comfort and sustainability. <https://www.energy.gov.au/households>

Clean Energy Council : Renewable Energy Australia

<https://www.cleanenergycouncil.org.au/consumers>

Energy Efficiency Tips : Synergy

<https://www.synergy.net.au/Your-home>

Energy Rating:

Information about energy efficiency of appliances to reduce energy use, emissions and to help save you money.

<https://www.energyrating.gov.au/>

Being Waterwise:

Water Corporation Waterwise homes, landscaping and irrigation:

<https://www.watercorporation.com.au/Waterwise>

Water Recycling and Efficiency (Department of Water): Greywater systems:

<https://www.water.wa.gov.au/urban-water>

GWIG : Greywater Wastewater Industry Group:

a non-profit organisation to enhance community awareness and increase the uptake of water re-use in all its forms.

<https://www.gwig.org/>

Livable Housing Australia:

A not-for-profit partnership to promote safe and accessible housing for all. The Livable Housing Design Guidelines provide awareness within the residential design and construction industry and governments about the benefits of incorporating universal design principles into new housing.

<https://livablehousingaustralia.org.au/>