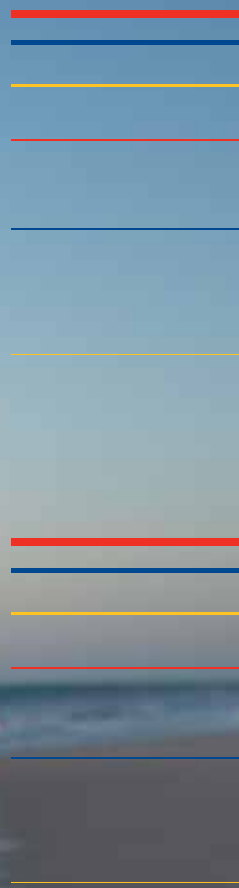


Sustainable Living at **Swanbourne.**





sustainable living

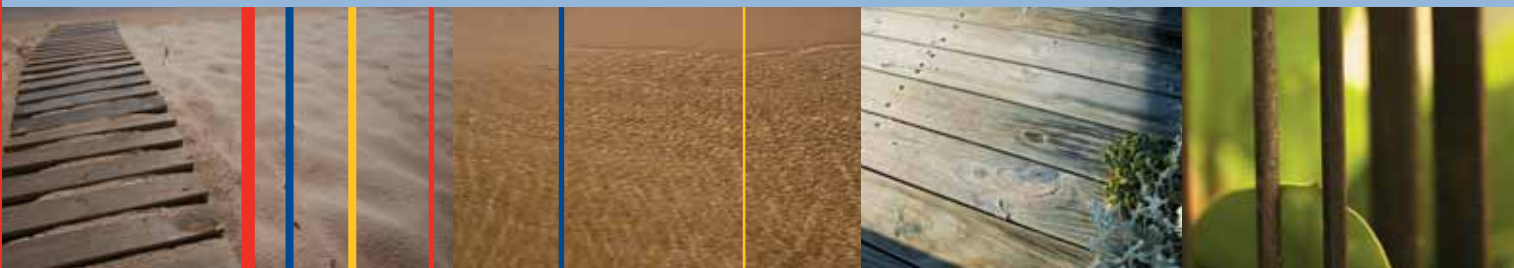
What is Sustainability?

Sustainability seeks an outcome that is environmentally responsible, economically prosperous and leads to advancements in social capital for present and future generations.

How do you measure up?

Your ecological footprint is a measure of the quantity of land required to support your resource use and waste produced as a result of your lifestyle.

Visit www.myfootprint.org to take the quiz.





energy

Most electricity produced in WA is from coal, a fossil fuel which creates greenhouse gases and contributes to global warming.

How can you help to reduce the impact?

You can make your home more energy efficient by taking the following steps:

- Purchase appliances such as fridges and clothes dryers with a high energy rating. The more stars the better
- Do not leave appliances (e.g. television) on standby function. Turning them off at the wall saves about 10% of your annual energy bill
- Purchase gas powered cooking appliances
- Switch off lights when they are not in use
- Purchase energy efficient globes which have a longer life span, such as compact fluorescents

Renewable Energy

Green Energy is sourced from renewable energy such as wind and solar. This can be incorporated into your energy bill to reduce your electricity consumption from fossil fuels. Visit Synergy for more information www.synergy.com.au

Photovoltaic cells capture energy from sunlight and when installed on your roof can provide you with a renewable energy source.

The Sustainable Energy Development Office (SEDO) has a Residential Photovoltaic Rebate Program offering up to \$8,000 in rebates.





heating and cooling

Heating and cooling your home can be achieved through good design. Examples are as follows:

- Install ceiling fans to living areas and bedrooms
- Install roof and wall insulation
- Ensure there is draught seals/stripping on all openings to minimise the transfer of cold air
- Have double glazing on windows

Air conditioners and other mechanical devices should always be a last option.

If air conditioners are installed keep the following in mind:

- Be mindful that changing the thermostat 1°C increases your running costs by 10%
- Adjust louvres on air conditioning units to face down for heating and upwards for cooling to improve efficiency
- Close off areas that are not being used to reduce the space required for heating
- Ensure filters are cleaned regularly



Summer Do's and Don'ts

- Dry clothes outside rather than using a dryer
- Ensure outside temperature is cool before opening windows and doors
- Add a boxed pelmet over existing curtains to reduce heat loss

Winter Do's and Don'ts

- Slowly heat a room up by setting the thermostat at room temperature and slowly increase it to 21°C
- On sunny days open blinds and curtains to allow the sun to penetrate particularly on the northern side of the house
- Install draught excluders at the bottom edge of doors





water

Some tips to help reduce water use in and around your home

In the house

- Taps and showerheads should be 3 Star WELS rated or higher
- Sinks and basins should have a low volume to reduce the quantity of water used
- Keep showers to a maximum of 4 minutes, if you want a long shower, consider taking a bath instead
- When cleaning teeth or shaving, turn the water off and rinse with a cup of water
- Use the washing machine and dishwasher only when there is a full load
- Install dual flush toilets
- Insulate hot water pipes when building a new house
- Minimise the waiting time for hot water to a maximum of 15 seconds

outside the house

- Select water wise plants or native species for your garden and reduce turf use
- Where possible install a grey water reuse system
- Install sub surface or course drop irrigation
- Use non potable water sources for irrigation i.e. bore water or grey water
- Use soil wetting agents and mulch where possible
- Install a high efficiency solar hot water system
- Ensure the storage tank is within 5 meters of bathrooms and kitchen
- If applicable, use pool covers





waste

Household Waste

City of Nedlands waste management service consists of:

- **120L General Rubbish (Dark Green Lid)**
Weekly collection of general household rubbish not able to be collected in other bins
- **240L Recycling Bin (Yellow Lid)**
Fortnightly collection of recyclable items- cardboard, cartons, glass bottles, steel, aluminium, plastics
- **240L Organic Waste Bin (Lime Green Lid)**
Fortnightly collection of prunings, lawn clippings, weeds, small branches, cut flowers and leaves

Composting and Worm Farms

Food waste and other organic matter from outside the garden is unable to be collected in the Organic Waste Bin Service provided by council.

To help reduce waste to landfill, a composting bin or worm farm are good solutions. The liquid and solid bi-products can be used as garden fertilisers.

These can be purchased from Council

- 200L Composting Bins \$44.00
- 400L Composting Bins \$60.50
- 3 tiered worm farm* \$99.00

**worms not included*

design and materials

The Design Guidelines for Swanbourne have mandatory and recommended requirements to encourage best practice and sustainable design, however you can also take the following, additional steps to achieve a good design outcome:

- Utilise EcoSpecifier to select materials on a “environmentally preferred” basis
- Select materials (including interior fittings) that emit low level emissions e.g. low VOC paints, carpets and underlay
- Purchase timber that is Forest Stewardship Council certified or equivalent
- Consider adaptable design as a key element when planning your home. This allows for changes to your home as the families need alter
- Create multifunctional living spaces. Room sizes are critical
- Design your home to promote cross ventilation
- Consider the homes orientation. North facing is optimal
- Consider full height movable screens with adjustable louvres to control eastern and western sun light
- Adjustable bench tops are encouraged
- Universal access creates a user friendly home for those that require wheelchair access. Doorways should be wide enough to allow wheelchair access

A useful document to refer to for universal access recommendations is the Australian Standards 'Design for Access and Mobility' (Currently AS 1428.1 1998).





rebates

The West Australian Government offer rebates for water and energy based initiatives.

Sustainable Energy Development Office (SEDO)

West Australian Solar Water Heater Subsidy

Rebates are available for gas boosted solar hot water units and if an electric-boosted solar water heater with an approved boosting timer is installed into a newly constructed residence

Residential Photovoltaic Rebate Scheme

Funding scheme provides funding for new photovoltaic (PV) systems

For further information call the Sustainable Energy Development Office or visit www.sedo.energy.wa.gov.au

Water Corporations Waterwise Rebate Program

Numerous rebates are available through the Water Corporation to assist you in becoming water efficient.

These are available until June 30, 2008. Contact the Water Corporation for program information or visit www.portal.water.wa.gov.au

useful links

- **Water Corporation**
www.watercorporation.com.au
- **Synergy**
www.synergyenergy.com.au
- **Sustainable Energy Development Office**
www.sedo.energy.com.au
- **City of Nedlands**
www.nedlands.wa.gov.au
- **Sustainable Living in Western Australia**
www.sustainableliving.wa.gov.au
- **Energy Rating**
www.energyrating.gov.au
- **Forest Stewardship Council**
www.fsc.org
- **Your Home Technical Manual**
www.greenhouse.gov.au/yourhome





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Suburbs**



Disclaimer

This booklet was prepared by Mirvac to provide information on sustainability. The information contained herein is current up until 30th June 2007 and is believed to be correct but not guaranteed. This booklet is a guide only and interested parties must rely on their own enquiries. Mirvac (WA) Pty Limited ACN 095 901 769.