

GREENRE HOMEOWNERS GUIDE TO A GREEN HOME



You can build a sustainable home, or you can make modifications to your home to make it green. A “green makeover” can be a gradual process.

Going green should not be heavy on your pocket or cumbersome to you and your family! Mindful usage of resources is the 1st step towards a sustainable lifestyle.

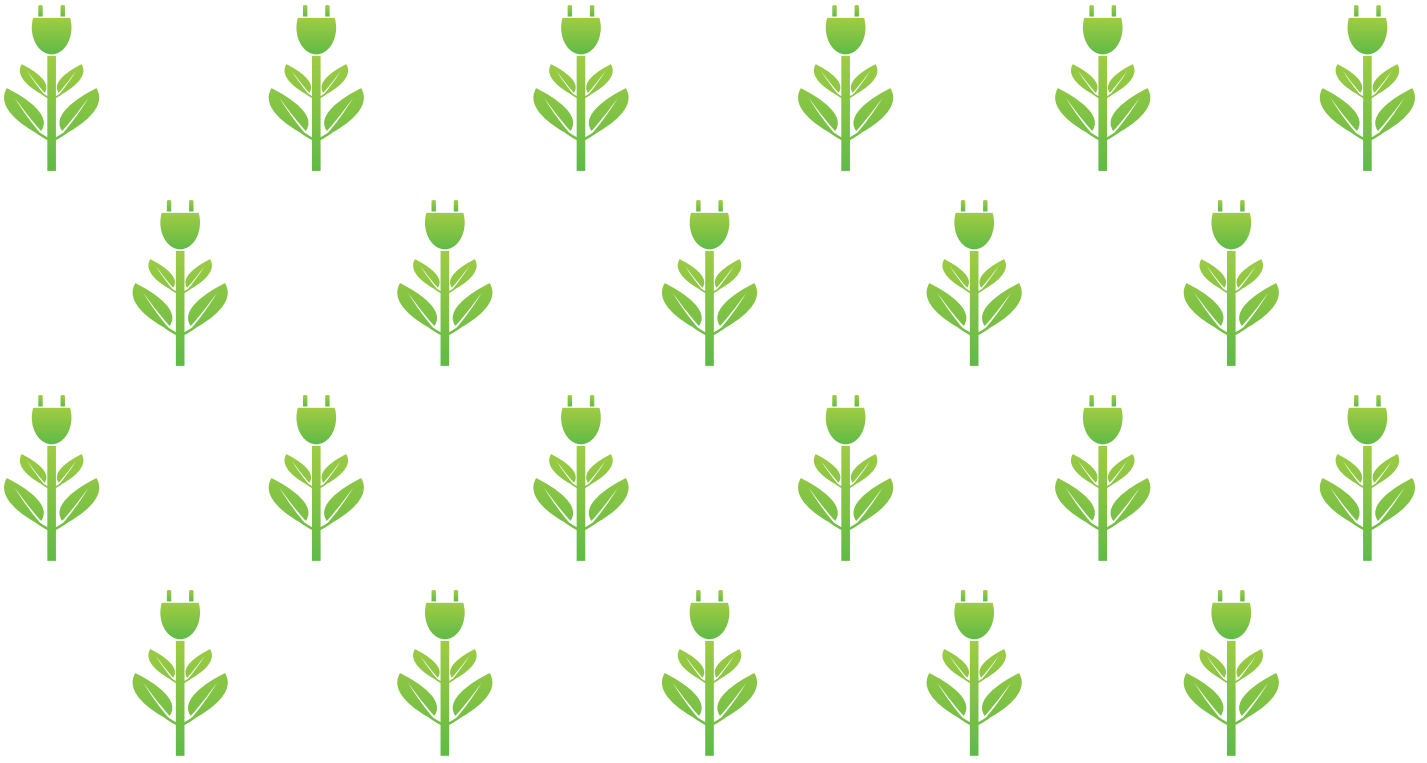
This simple guide will give you practical tips to start you on your green home transformation journey.

A green home uses less energy, water & other natural resources and produces less waste. It is a healthier living environment for your mind and body.



MALAYSIA'S LEADING GREEN BUILDING CERTIFICATION BODY

www.greenre.org



BENEFITS OF A GREEN HOME

ENVIRONMENT

Green homes are up to 40% more energy efficient than conventional homes. As electricity in Malaysia is primarily produced by fossil fuels such as coal and gas, improving energy efficiency has the benefit of reducing environmental pollution. Green homes also have higher water usage efficiency and use environmentally friendly home products and building material. All these contribute to lowering your carbon footprint.

HEALTH BENEFITS

With more sustainable home products, increased natural ventilation and greenery, green homes can have a positive impact on your overall health. Green homes can reduce symptoms of respiratory disease, alleviate depression, stress & infectious diseases etc.

COST SAVINGS

Smart usage of electricity & water in your home leads to reduced monthly bills! Green homes use higher quality and standards for construction and building materials—hence, a longer product life span.

HOMEOWNERS SELF ASSESSMENT CHECKLIST

For new homeowners, GreenRE recommends that you seek a development certified to our green standards. This simplified self-assessment checklist can be used to identify both components and operational best practices to lower the environmental impact of your home. Though primarily aimed at homeowners of landed homes, this checklist can also be used by high rise home dwellers.

This checklist is divided into the 6 sections namely—energy, water, waste, transportation, indoor air quality and greenery provision. A point system is provided for you to self-assess and benchmark your home. The total points available are 100.

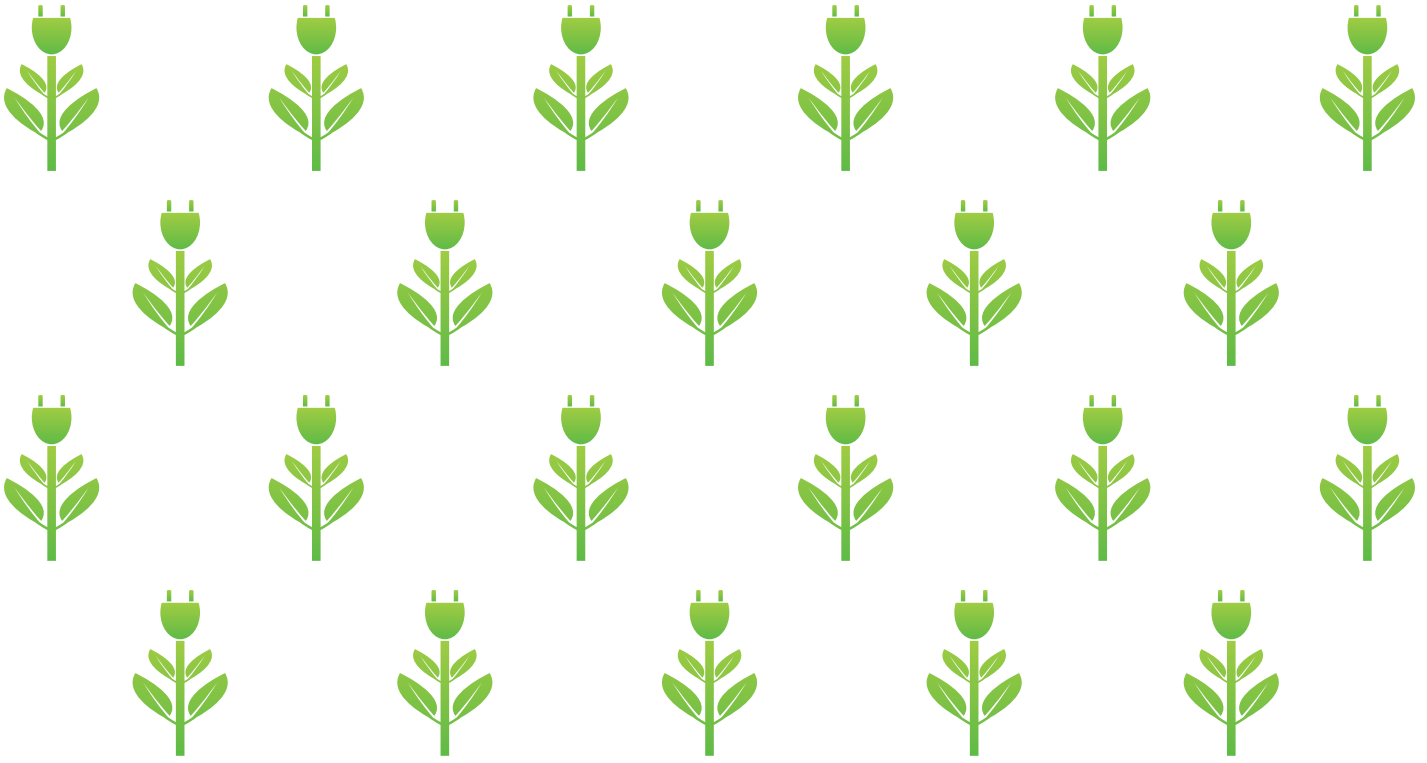
GREENRE HOMEOWNERS RATING SCORING SYSTEM

PLATINUM
86 AND ABOVE

GOLD
76 TO 85

SILVER
66 TO 75

BRONZE
50 TO 65



ENERGY SAVINGS

No	Tip	Total Points	Your Score
GREEN FEATURES			
1.	Use Suruhanjaya Tenaga 5 star rated electrical appliances -AC (2pt), Ceiling Fans (2pt) Refrigerators (1pt) and TV (1pt)	6	
2.	Use at least 80% LED or energy efficient lighting	3	
3.	Use perimeter lighting with motion sensors	2	
4.	Use timers for indoor and outdoor lighting when away	2	
5.	Solar thermal water heater application	6	
6.	Renewable energy (e.g. solar panels) for electricity generation	6	
7.	Use of roof insulation (e.g. rockwool, aluminum foil etc.)	3	
8.	Trees outside your home can offer natural shading to keep your home cool	2	
9.	Use light coloured walls and roofing to reflect heat	2	
BEST PRACTICES			
10.	Average electricity usage for every individual is less than 112kW/h per month	2	
11.	Washing machines consume a lot of energy-Do full loads of laundry to reduce the amount of times you use a cycle	1	
12.	Use the cold water cycle in your washing machine	1	
13.	Set your air-con temperature between 23°C-25°C for optimum cooling	1	
14.	Iron bigger loads of clothes to reduce the number of times you turn on the iron	1	
15.	An organised fridge allows cool air to circulate more efficiently	1	
16.	Appliances on stand-by mode consume energy-Completely switch off computers & laptops when not in use	1	

FACT: Highest usage of energy in households: Cooling (Air conditioning), Heating, Lighting, Refrigerators, Washing Machine, Cooking, etc.

Sum of Points 40

WATER & LANDSCAPING

FACT: On average, Malaysians consume 210 litres per capita/day, higher than the 165 litres/capita/day recommended by the World Health Organisation (WHO)

No	Tip	Total Points	Your Score
GREEN FEATURES			
1.	Use WEPLS appliances. WEPLS is a voluntary Water Efficient Product Labelling Scheme-A 3 Star Rating System	2	
2.	Use of water efficient irrigation system (e.g. drip feed)	2	
3.	Replace older toilets with toilets that use 6 litres/flush or less (e.g. Dual Flush system)	2	
4.	Use front load washing machine	2	
5.	Rainwater harvesting system installation	4	
BEST PRACTICES			
6.	Average water usage for each individual is below 180 litres/day	2	
7.	Inspect all piping, toilets and faucets for leaks	1	
8.	Turn off the water while you are applying soap and when you brush your teeth or shaving	1	
9.	Take shorter showers (less than 5 minutes)	1	
10.	Wash clothes with full load in your washing machine	1	
11.	Use a bowl of water to peel and clean vegetables and fruits instead of running water	1	
12.	Collect rainwater for non-potable uses (e.g. washing car, watering plants, washing outdoor area etc.)	1	
13.	Check your bills and monitor your usage	1	
Sum of Points		20	

WASTE MANAGEMENT- REDUCE, REUSE, RECYCLE



No	Tip	Total Points	Your Score
GREEN FEATURES			
1.	Bins for waste separation	2	
2.	Composting bins	2	
BEST PRACTICES			
3.	Buy reusable not disposable	1	
4.	Buy products with less packaging (multipacks vs single)	1	
5.	Bring your own take-away containers (food & drinks)	1	
6.	Say no to bottled water-bring your own reusable tumblers	1	
7.	Repurpose-old clothes to rags, old containers to storage jars	1	
8.	Use reusable shopping bags	1	
9.	Take stock of your grocery items to avoid waste of expired products	1	
10.	Shop at BYO home cleaning products stores- bring your own containers	1	
11.	Use eco-friendly paper/ washable plastic cups & plates for parties	1	
12.	Take note of non-recyclable items & reduce the usage of these items	1	
Sum of Points		15	

FACT: Only 3 types of plastics are recyclable in Malaysia-Plastics under the categories of 1, 2 & 5 are 99% recyclable in Malaysia

Non-Recyclable Items: Shredded Paper • Brightly Coloured Paper • Soiled/ Greasy paper (e.g pizza boxes) • Wax paper • Bottle Caps • Used baby diapers • Styrofoam • Organic Waste • Ceramic

TRANSPORTATION

No	Tip	Total Points	Your Score
GREEN FEATURES			
1.	Switch to hybrid/electrical cars	4	
BEST PRACTICES			
2.	Use public transport/walk/cycle/ carpool for work or leisure	1	
3.	Carpool when possible	1	
4.	Regularly service your vehicles to ensure it is running in optimum condition to reduce harmful emissions	1	
Sum of Points		7	

INDOOR AIR QUALITY AND SUSTAINABLE MATERIAL

No	Tip	Total Points	Your Score
GREEN FEATURES			
1.	Use low VOC paints throughout household	2	
2.	Use low toxic cleaning and adhesive products	2	
3.	Use eco-labelled building material (i.e walls, flooring, ceiling)	2	
4.	Use sustainably sourced timber for woodwork	2	
BEST PRACTICES			
5.	Frequently open windows to encourage natural ventilation	1	
6.	Clean air-cond filters regularly (once a month)	1	
Sum of Points		10	

GREENERY PROVISION

No	Tip	Total Points	Your Score
1.	For landed homes, ensure outdoor area has grass area/ greenery (at least 50% of non-built up area)	2	
2.	Use potted plants for multistoried complexes or covered outdoor areas (at least 50% of built up area)	2	
3.	Use drought resistant plants to reduce water requirements (refer to https://florafaunaweb.nparks.gov.sg/)	2	
4.	Have your own herb & vegetable garden	2	
Sum of Points		8	

Visit our website www.greenre.org for further info on green buildings and sustainable design

You may also download the checklist from our website.

WHAT IS GREENRE



We are a leading green building certification tool developed in Malaysia by the industry for the industry



GreenRE was developed by REHDA Malaysia in 2013 as an independent green building certification tool to provide competitive choices for property developers to certify their projects as environmentally sustainable.

Since then, more than 150 developments across 100 million sq ft of built-up area have been registered under GreenRE.

Our prestigious GreenRE logo has been the hallmark symbol for buildings and townships nationwide that provides long term cost savings for building owners and tenants through energy savings.

International recognition

GreenRE is the Malaysian adaptation of an established internationally recognised green rating tool.

WHO IS IT FOR?

- GreenRE is for all buildings at all phases of development, from homes to skyscrapers to township projects.

WHY CHOOSE US?

Government approved with tax exemption incentives

GreenRE is recognised by the Federal Government for tax exemption incentives and endorsed by local authorities.

Cost savings in the long term

GreenRE certified buildings are resource efficient. They use less water and energy and reduce greenhouse gas emissions. As an added bonus, they save money in the long run.

A sustainability initiative by:



REHDA



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