

GREENRE HOMEOWNERS GUIDE TO A GREEN HOME



GreenRE was established in 2013 by Malaysia's Real Estate and Housing Developers Association (REHDA) to promote sustainability in the Malaysian property sector. We achieve this through three (3) main initiatives: green building certification and rating, training and awareness programs, and research and development.

Currently, GreenRE has a portfolio of projects encompassing more than 500 million square feet.

Our prestigious GreenRE logo is the hallmark symbol for high performance green buildings and townships with reduced environmental impact.

WHO IS IT FOR? ● GreenRE is for all real estate projects at any phase of development, from homes to skyscrapers to township projects

GREEN BUILDING SUSTAINABILITY ELEMENTS



ENERGY EFFICIENCY



WATER EFFICIENCY



ENVIRONMENTAL PROTECTION



INDOOR ENVIRONMENTAL QUALITY



GREEN INNOVATION



CARBON EMISSION/RESOURCE MANAGEMENT

Going green doesn't have to be expensive or inconvenient for you and your family.

Being mindful of how you use resources is the first step toward a more sustainable lifestyle.

This simple guide offers practical, easy-to-follow tips to help you begin your journey toward a greener, more eco-friendly home.

BENEFITS OF A GREEN HOME:

ENVIRONMENT

Green homes are up to 40% more energy-efficient compared to conventional homes. Given that electricity in Malaysia is largely generated from fossil fuels such as coal and natural gas, enhanced energy efficiency plays a significant role in reducing environmental pollution. In addition, green homes feature improved water efficiency and incorporate environmentally friendly household products and sustainable building materials. Together, these elements contribute to a lower overall carbon footprint.

HEALTH BENEFITS

Green homes, which incorporate sustainable materials, improved natural ventilation, and abundant greenery, can have a positive impact on overall health and well-being. They help enhance indoor air quality and reduce exposure to pollutants, potentially lowering the risk of respiratory issues, stress, depression, and certain infectious diseases.

COST SAVINGS

By using electricity and water more efficiently, green homes help you save on monthly utility bills. Built with superior materials and construction standards, green homes are not only more durable but also require less maintenance, giving you greater long-term value and peace of mind.

HOMEOWNERS SELF-ASSESSMENT CHECKLIST

For new homeowners, GreenRE recommends choosing a development that is certified under our green building standards. To support this, we have created a simplified self-assessment checklist to help you identify key features and best practices that reduce your home’s environmental impact. While primarily designed for landed homes, the checklist is also applicable to high-rise residential units.

The checklist is divided into six main categories: energy, water, waste, transportation, indoor air quality, and greenery provision. Each category includes a point-based system, allowing you to self-assess and benchmark your home’s sustainability performance. The maximum score available is 100 points.

GREENRE HOMEOWNERS RATING SCORING SYSTEM

PLATINUM
86 AND ABOVE

GOLD
76 TO 85

SILVER
66 TO 75

BRONZE
50 TO 65

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	

ENERGY SAVINGS

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

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 (eg. solar panels) for electricity generation	6	
7.	Use of roof insulations (eg. rockwool, aluminum foil etc.)	3	
8.	Trees outside your home can offer natural shading to keep you 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	
Sum of Points		40	

WATER & LANDSCAPING

FACT: On average, Malaysians consume 245 liters per capita/day, higher than the 165 liters/capital/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 liters/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	

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 services your vehicles to ensure it is running in optimum condition to reduce harmful emissions	1	
Sum of Points		7	

WASTE MANAGEMENT- REDUCE, REUSE, RECYCLE

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

						
PETE	HDPE	PVC	LDPE	PP	PS	OTHER
Soft drink bottles, mineral water, cooking oil container	Laundry & cleaning containers, shampoo and soap bottles	Bubble wrap, trays for sweets, food wrappers	Shopping bags, crushed bottles & wrappings	Furniture, luggage, toys, bumpers and external lining of cars	Refrigerator trays, costume jewellery, CD Cases, vending cups	Other plastics, e.g. acrylic, nylon, fiberglass etc.

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	

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

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)	4	
2.	Use potted plants for multistoried complexes or covered outdoor areas (at least 50% of built up ar	1	
3.	Use drought resistant plants to reduce water requirements (refer to https://florafaunaweb.nparks.gov.sg/)	1	
4.	Have your own herb & vegetable garden	1	
Sum of Points		7	