



## Low Carbon Society Development for Iskandar Malaysia

**TODAY**

↑ High Carbon Society = ↓ Lower Sustainability

Revitalization of existing shopping streets

Introduction of environmental labels such as carbon footprints

123g CO<sub>2</sub>

Greening in urban district

Energy-saving street lights

**TOMORROW**

↓ Low Carbon Society = ↑ Higher Sustainability + Green Growth / Economy

Improvement of public facilities



Solar panels

Roof top gardens

Encouragement of commercialization of products featuring carbon footprints etc.

Street lights powered by solar

## How much CO<sub>2</sub> can you reduce?

Each day's small actions will accumulate to a big amount!  
If you follow the advice in the Eco-Life Check, you can know the amount of CO<sub>2</sub> you reduce in a year (unit in kgCO<sub>2</sub>)

Reduce 1 hour of TV watching (LCD TV) in a day	5.6
Reduce 1 hour of TV watching (plasma TV) in a day	27.8
Reduce 1 hour of using desktop PC in a day	11.8
Reduce 1 hour of using laptop PC in a day	2.0
Shut off main power instead of standby mode (for electrical appliances)	23.7
Replace incandescent lamp with compact fluorescent lamp	31.3
Reduce the number of times opening the refrigerator to half	3.9
Reduce the time of keeping the refrigerator door opened	2.3
Iron many clothes at one time	0.4
Reduce 1 minute of shower time a day	29.1
Use eco bag when you go shopping and decline plastic bag	22.6
Walk 2 km instead of using a car	65.7

Source: Basic unit of CO<sub>2</sub> reduction by dissemination program questionnaire survey for YES (yokohama eco school) participants in 2011 p44-45



### Try this out!

How much CO<sub>2</sub> is emitted every month from my family's water usage?  
Every usage of 1 m<sup>3</sup> water is equal to emission of 0.419 kg CO<sub>2</sub> (LCCF, 2014)

Example:  
My family used 5 m<sup>3</sup> a month.  
1 m<sup>3</sup> emits 0.419 kgCO<sub>2</sub>  
CO<sub>2</sub> emission = 5 m<sup>3</sup> x 0.419 kgCO<sub>2</sub> / m<sup>3</sup>  
= 2.210 kgCO<sub>2</sub>

How much CO<sub>2</sub> is emitted every month from my family's electricity usage?  
Every usage of 1 kWh electricity is equal to emission of 0.747 kg CO<sub>2</sub> (LCCF, 2014)

Example:  
My family used 0.218 kWh a month.  
1 kWh emits 0.747 kg CO<sub>2</sub>  
CO<sub>2</sub> emission = 0.218 kWh x 0.747 kgCO<sub>2</sub> / kWh  
= 0.163 kgCO<sub>2</sub>

For further information please contact:

**Iskandar Regional Development Authority (IRDA)**

#G-01, Block 8, Danga Bay,  
Jalan Skudai, 80200 Johor Bahru, Malaysia.

Tel: +607 233 3000 | Fax: +607 233 3001

Website: [www.iskandarmalaysia.com.my](http://www.iskandarmalaysia.com.my)

**Satellite Office :**

Level 12-1, Mercu UEM, Jalan Stesen Sentral 5,  
Kuala Lumpur Sentral, 50470 Kuala Lumpur, Malaysia.



YOUR GUIDE TO

# Low Carbon Lifestyles

IN ISKANDAR MALAYSIA



# Low Carbon Lifestyles

## HOME / WORK

- Choose energy efficient electrical appliances & bulbs
- Switch off appliances at the plug
- Turn off lights when going to bed
- Use blinds or open windows to reduce heat, minimise air conditioning use
- Turn off water when brushing teeth, use cup
- Reuse drain water from washing machine to clean floor
- Use cloth for cleaning, not tissue paper
- Use recycled paper
- Think before throw (reuse & recycle)
- Don't waste food, plan before cooking
- Compost food waste

## ENVIRONMENT

- Plant trees
- Do outdoor activities, appreciate the beauty of the environment
- No open burning, garden waste
- Support environmental awareness campaigns or programmes
- Support and plan to use green technologies (solar panels, rain water harvesting)
- Be a champion in saving the planet
- Raise environmental awareness by talking to others / involve family and friends
- Gather information on environmental issues online
- Organise own campaigns or programmes with friends, neighbours / colleagues



## TRAVEL



- ✓ For short distances, walk or cycle, don't drive
- ✓ Use public transport
- ✓ Car pool to work / leisure
- ✓ Use fuel efficient cars – hybrid, eco mode
- ✓ Keep car tyres at optimum air pressure
- ✓ Avoid unnecessary travel / long journeys
- ✓ Plan journeys

## SHOPPING

Make a shopping list  
plan what to buy, don't buy unnecessary items!



6:00am      6:30am      7:00am      8:00am      9:00am      10:00am      11:00am      12:00noon      2:00pm      3:00pm      4:00pm      6:00pm      8:00pm      9:00pm      9:30pm      10:00pm

- 6:00am: Don't leave water running when brushing teeth
- 6:30am: Turn off lights in room when no one uses room
- 7:00am: Use bicycle or walk for short distances
- 8:00am: Use notebooks made from recycled paper
- 9:00am: Bring own water bottle instead of buying drinks
- 10:00am: Reuse unused side of paper
- 11:00am: Iron many clothes at one session
- 12:00noon: Close refrigerator door soon after using it
- 2:00pm: Bring own eco bag for shopping
- 3:00pm: Reuse plastic bags
- 4:00pm: Separate waste and recycle them
- 6:00pm: Discuss environmental issues with family and friends
- 8:00pm: Don't waste food, compost food waste
- 9:00pm: Switch off TV when not watching
- 9:30pm: Set the temperature of air conditioner no lower than 24°C to save energy
- 10:00pm: Reduce use of air conditioner

