SWITCH TO
COMPACT FLUORESCENT LAMPS (CFLs)
AND
SAVE

Save
ENERGY
CFLs use up to 75% less electricity than traditional bulbs.

Save
MONEY
CFLs last up to 10 times longer than regular incandescent bulbs.

Save
THE ENVIRONMENT
In addition to lowering your electricity bill, CFLs will also reduce the amount of greenhouse gas emissions, which in turn will help to reduce global warming

CHANGE A LIGHT
CHANGE THE WORLD

MAKE YOUR NEXT LIGHT ENERGY EFFICIENT

When you
conserve energy at home
you reduce
green house gas emissions
from power plants and help
protect our environment
from the risks of

Global Climate Change

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DESIGNED & PRINTED BY THE GEA

Energy Efficient Lighting

ENERGY
CONSERVATION
TIPS

GUYANA ENERGY AGENCY

1 Look for ways to make use of daylight.

Take advantage of daylight (Natural Light) by using light-coloured, loose-weave curtains on your windows to allow daylight to penetrate the room while preserving privacy.

2 Turn off the lights when they are not in use.

For optimal performance of fluorescent lights, turn them off when not in use for more than 15 minutes.

3 Clean lamps regularly.

This will increase the brightness and can reduce the amount of light needed.

4 Use outdoor lights with a photocell unit.

Lights with a photocell unit or a timer will automatically turn on at night and off during the day.

5 Ensure lighting fixtures are not placed too high in the building.

Lowering them would increase the available light output and reduce the need for extra lamps.

6 Focus lights where they are needed the most.

Instead of brightly lighting an entire room; use general low lighting throughout rooms along with focused lights for reading, working etc.

COMPACT FLUORESCENT LAMPS

are PERFECT for

EXTERIOR LIGHTING

because of their long life

CFLs being used as exterior lights

Solar Panels being installed on a roof of a house

SOLAR POWER

is a renewable source of energy.

This renewable source is produced by trapping usable energy from the light of the Sun.

Explore options for the use of solar power and wind power for powering lights, equipment or other small loads.

7 Replace Incandescent lights with energy saving compact or standard fluorescent lamps.

INCANDESCENT LIGHT BULB

For a given light output, compact fluorescent lamps (CFLs) use between **one fifth** and **one quarter** of the power of an equivalent incandescent bulb and last longer.

ENERGY SAVING OR COMPACT FLUORESCENT LAMP

8 Use 4-foot Fluorescent fixtures for areas that require extensive lighting.

For greater efficiency use fixtures with reflective backing and electronic ballasts.

9 Use Dimmers & Sensors with interior lights

Use dimmers, motion sensors, or occupancy sensors to automatically turn on or off lighting as needed.

Light Output Equivalency Chart

Incandescent Light Bulbs	Compact Fluorescent Lamps (CFL)	Light Output
WATTS	WATTS	LUMENS
40	9-13	450
60	13-15	800
75	11-23	1100
100	23-30	1600
150	30-52	2600

The above chart clearly shows that CFLs achieve the same Light Output (lumen)while using less power (watts) than incandescent light bulbs.

Types of Light Bulbs

INCANDESCENT BULBS

This is the most common type of bulbs found in homes. They are the cheapest to buy BUT VERY INEFFICIENT.

FLUORESCENT LAMPS

Compared to incandescent bulbs, fluorescent lamps use less power for the same amount of light output and generally last longer. They come in 2, 4, 8 feet lengths. Fluorescent lamps are ideal for lighting large areas

COMPACT FLUORESCENT LAMPS (CFL)

CFLs are More ENERGY EFFICIENT than incandescent bulbs. They work like fluorescent lamps, but in a much smaller package and can easily replace incandescent bulbs.