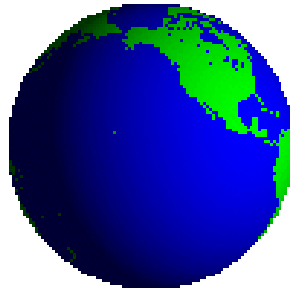
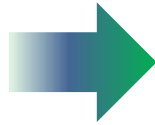




Index. . .

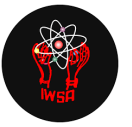
1. Energies - Direct & Indirect. . . .
2. **What** is Energy & **Why** Conservation ?
3. **How** to Conserve Energy ?
4. Fuels. . . LPG, CNG, Petrol.
5. Is Water a form of Energy ?
6. Electricity. . .at Home, Public.
 1. Lighting / Illumination
 2. Water Heating / Space Heating
 3. AC's, Clothes / Dish Washing.
 4. Cooking....
 5. Use Automation. . .
 6. Public Utilities.
7. Conclusion ...



Energy Conservation In Everyday Life



What is Energy & Why Conservation ?



Energy is capacity to do work or help us to live happily.

Conservation is an ability to use energy to the extent required.

- Does not mean that we stop using Energy....
- Energy can never be created nor destroyed.

**“WE DO NOT INHERIT THE EARTH FROM OUR PARENTS,
WE BORROW IT FROM OUR CHILDREN”**

- Energy can be only conserved / preserved for next generations.
- It is the duty of all of us to use Energy – Efficiently to the extent required.
- One unit of Energy Conserved is equal to two units generated.



How to Conserve Energy ?



Do not stop using Energy. Do not waste / Over Use

Use Energy Efficiently. . .

Do not steal Energy. . . Pay for it. . .

Public Utilities – Use to the extent Required...

How to conserve Energy ?

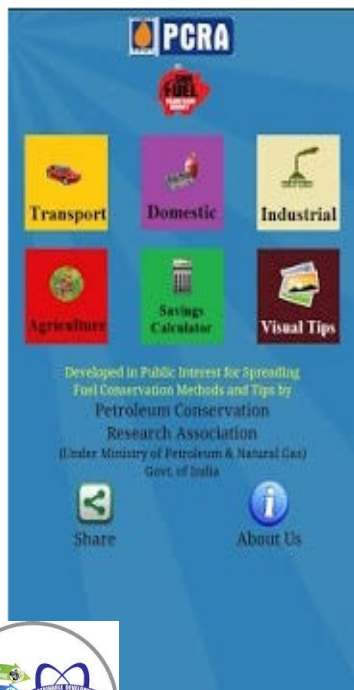
**Different Energies need to be conserved
in different ways.**



Fuel Energies (LPG, CNG, Petrol & Diesel) Domestic. .



Drive Smart Save Fuel is a Mobile Game developed to facilitate deeper penetration of PCRA Conservation Tips & Messages and side by side making you enhance your learning & driving skills. This game teaches you how to play smartly in order to save fuel while driving & scoring best as much as you can. Your driving and efficiency skills will be judged and given score based on your driving



“PCRA2 – Fuel Saving Tips” android application is developed in public interest by Petroleum conservation Research Association (Under Ministry of Petroleum and Natural Gas, Govt. of India) for educating the masses about the conservation of fuel and Energy by implementing simple tips.

In this android application, simple tips to save LPG in Domestic Sector, Petrol/Diesel in Transport Sector, Diesel in Agriculture Sector and Fuel/Energy in Industrial Sector is provided and explained. By adopting these simple tips the users can save fuel and Money in their daily life and also contribute in conservation of Petroleum products.

To give the users a indicative savings they will get by adopting different tips is also provided in Domestic, Transport and Industrial Sector.

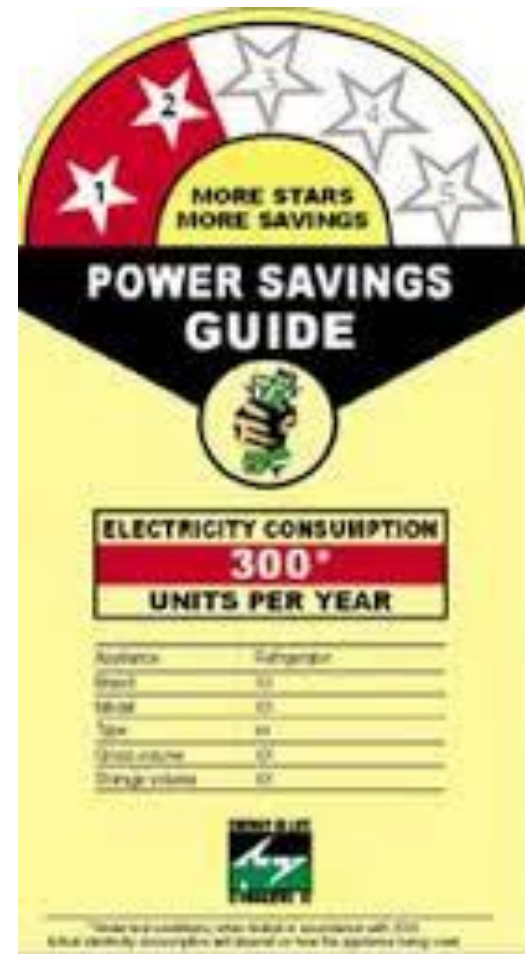


Domestic Energy Balance & Guidelines. .



Air Conditioning	35%
Washing, Fridge, TV .. Etc	30%
Hot Water	15%
Lighting	10%
Kitchen	10%

- 1. AC's, Clothes / Dish Washing.**
Keep AC always between 22 – 24 Deg.
Washing always at min time.
- 2. Water Heating / Space Heating**
Set optimum Temp.
Ensure that Automation is effective.
- 3. Lighting / Illumination**
Use when required only. Switch off when not required.
Replace bulbs / CFL with Use LED lights.
Use Auto switching.
- 4. Use Automation. . .**
Use Auto switching / Automation.



How to figure-out Consumption – KWH ?



For Lighting, Fridge, Water Heater, AC (Single Phase)

1 Unit = KWH = 1 KW running for 1 hour.

$$1 \text{ KW} \approx 230 \text{ V AC} \times 4 \text{ Amps.} \times \cos \phi$$

1 Unit = 1 KWH Energy Rate \approx Rs 10 per Unit.

If your consumption is 300 Units, you pay Rs 3000.

35% Air conditioning	Rs 1050.	35%
Washing, Fridge etc..	Rs 900.	30%
Hot water. . .	Rs 450.	15%
Lighting. . .	Rs 300.	10%
Kitchen. . .	Rs 300.	10%



Energy Conservation is not desirable.



We have no option . . .

- One Unit of Energy Saves is two units generated..
- Save this drop of Oil or walk to your destination 20 Years from now. . . **PCRA**. . .
- Make a habit to switch-off at-least one light, before you switch-on an other.
- Say No to assembled Air Conditioners. Use with STAT Label only.
- **Conserve Energy, for our Kids...**
- Every one of us are required to think, contribute, practice, measure and achieve **ENERGY CONSERVATION**

Thanks for making Energy Conservation, a Habit !

