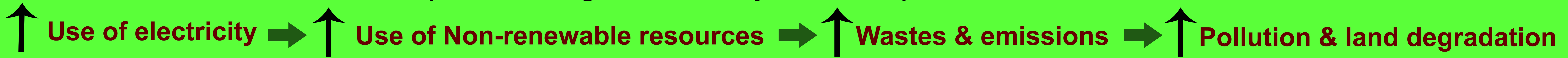
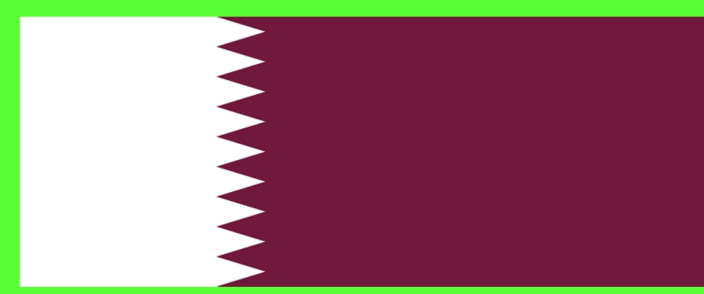


impact of large electricity consumption on environment



problems



Qatar is the:
Largest Commercial
energy user at more than
26,772 kgoe per capita

Primary source of energy:
Natural gas

causes



Large industrial sector
& small population.

Fact: Over 57,000 employees
in the govt. & mix sectors.
Electricity used by
commercial buildings is
about **40%** of
total energy consumption

solution

a system to **evaluate energy needs** in
office setups and **set standards**, in order to **evaluate deviations**

overview



Allowing and facilitating office setups (commercial or government agencies) in cutting down costs of electricity and helping them achieve Corporate Social Responsibility (CSR) by reducing wasteful electricity consumption activities. Enabling companies and government agencies in keeping a check over their electricity usage, which will help country move towards its goal of energy conservation.

setting standards and usage limits

“Involves using developed functions and algorithms after analysis of factors
which determine electricity consumption in office environment”

parameters of software: factors governing electricity consumption



No. of employees working in
office environment



Area covered for
office needs



Times of day with greater
demand for electricity



Season of the year



Study of major
electricity consumers

system evaluates energy consumption needs

standards' outputs and current trends

Email & SMS communication, Display on computers as add-ons, Display screens (Plasma & LCD Panels), Periodic reports

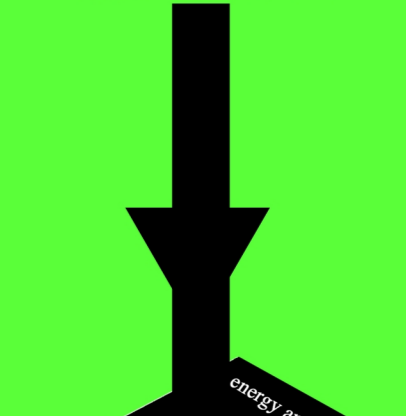
conclusion

↓ Wasteful usage of electricity = ↓ Wastes, pollution & degradation + Energy Conservation = Better Environment!

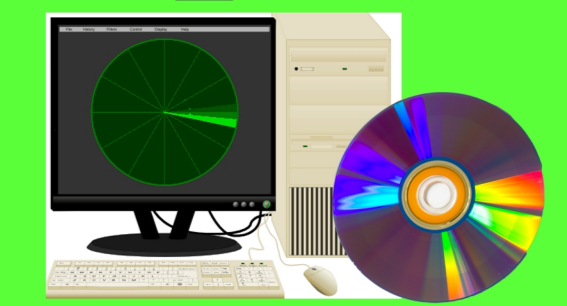
system



electricity
meter



converter
(hardware)



software

feasibility

This project will be planned
and developed by individuals
and experts, from educational
institutions and not-for-profit
organizations.

Funding support may be
provided by Qatar
Foundation's programs such
as NPRF & UREP.

“... if Air Conditioners &
lightings are used properly,
more than 30% of
consumption can reduce.”