



**Punjab Energy Efficiency and Conservation Agency (PEECA)**  
Energy Department - Government of the Punjab



**SAVE**   
**ENERGY**  
REDUCE  
ELECTRICITY  
**BILLS**



## About PEECA

Punjab Energy Efficiency and Conservation Agency (PEECA) has been established as a regulatory arm for monitoring and implementation of policies & regulations, for running behavioral change & public awareness programs, for training of energy management professionals, and to carry out studies through consultants for initiatives in the sector and for maintenance of data base.

The purpose of PEECA is to bridge the demand and supply gap through a two-pronged approach of demand and supply management using the concepts of efficiency and conservation, and to open new vistas for electrifying far-flung off-grid villages. The program envisions to decrease the gap in supply and demand.

## Mandate

- Rationalize energy demand and consumption through implementation of relevant energy efficiency and conservation measures
- Promote efficient use of energy, which will be critical in reducing the stress on expansion of energy supplies and on the environment
- Promote energy audit culture in the province
- Retrofit Public Institutes for energy efficiency

- Trigger market for energy efficient technology and encourage private investment in energy efficiency
- Support national level efforts initiated by National Energy Efficiency and Conservation Authority

## Highlights

- Standardization and labelling of fans completed in coordination with NEECA. 23 fan manufacturers have been awarded 3-star label. 90,000 fans replaced resulting in energy savings of 20-25 MWs
- Energy conservation building code for Punjab has been developed with all institutional, professional, industrial and public stake holders taken on board
- Conducted energy audit of 100 public buildings; energy saving potential of 40GWh has been identified
- Retrofitting of Government College University Lahore completed resulting in over 20% savings
- Multiple workshops and seminars organized across the province.
- Over 50 interns given training of energy audits
- Process of setting up air-conditioner unit testing lab in Lahore, initiated



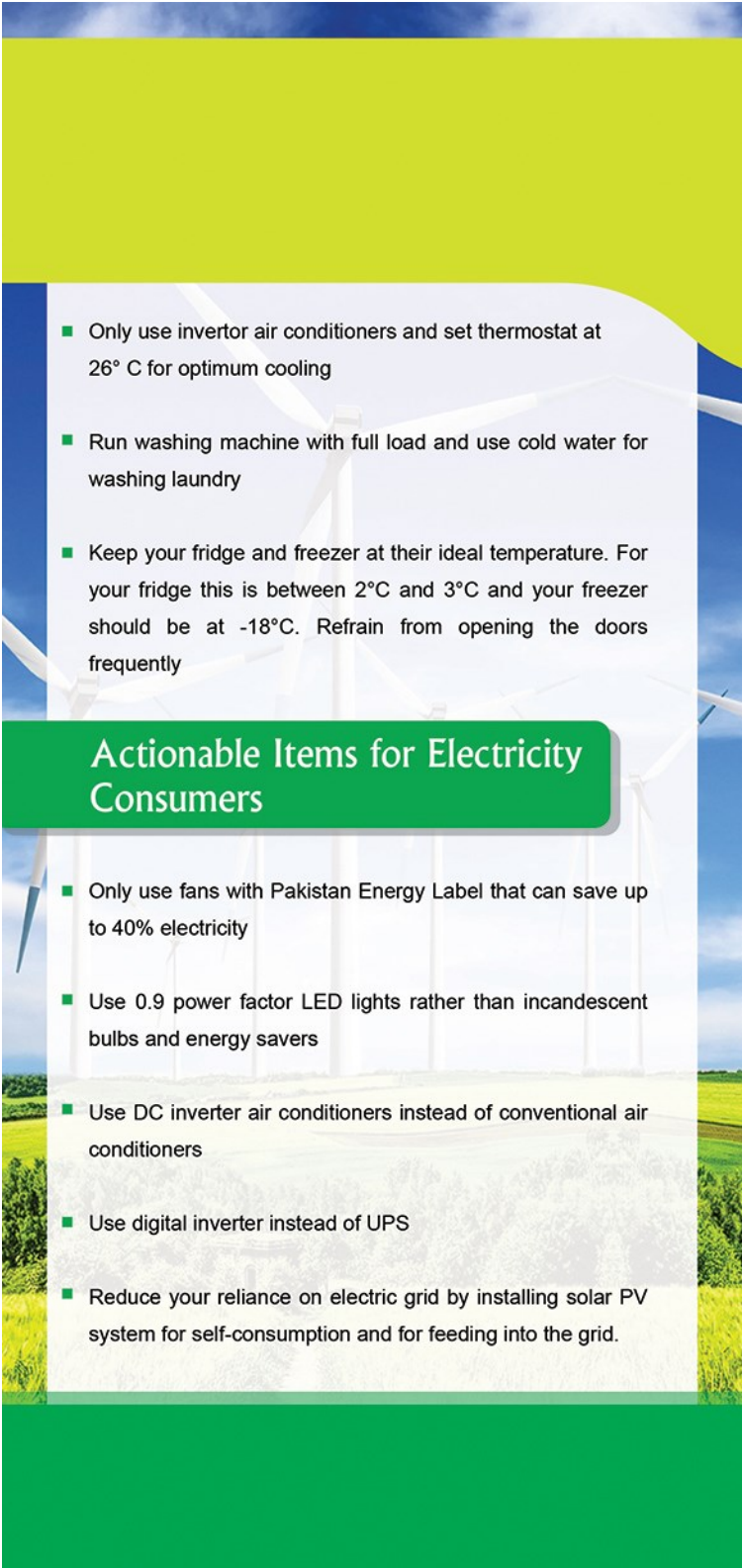
## Energy Saving Tips

Shift energy consumption from peak times to off peak times. Peak timings vary from one season to another as provided below:

Season	Peak Timing	Off-Peak Timing
December-February	5 PM – 9 PM	Remaining 20 hours
March to May	6 PM – 10 PM	Remaining 20 hours
June to August	7 PM – 11 PM	Remaining 20 hours
September to December	6 PM – 10 PM	Remaining 20 hours

Source: <http://lesco.com.pk/category/lesco>

- Opt for energy efficient appliances, such as LED bulbs and tube lights, 3 star Pakistan Energy Label Fans and inverter air conditioners. These give you same output but consume much less power
- Turn off unnecessary lights; use natural light to the maximum
- Use Light Emitting Diode (LED) desk lamps in your office. LED bulbs last up to 10 times more compared to fluorescents and much longer than typical incandescent bulbs
- Ensure proper sealing of doors and windows
- Unplug unused electronics. Standby power can account for 10% of an average household's annual electricity use
- Upgrade your HVAC equipment – your heating, ventilating, and air conditioning systems – with more efficient models to reduce energy consumption, costs, and chlorofluorocarbons (CFCs)

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- Only use inverter air conditioners and set thermostat at 26° C for optimum cooling
  - Run washing machine with full load and use cold water for washing laundry
  - Keep your fridge and freezer at their ideal temperature. For your fridge this is between 2°C and 3°C and your freezer should be at -18°C. Refrain from opening the doors frequently

## Actionable Items for Electricity Consumers

- Only use fans with Pakistan Energy Label that can save up to 40% electricity
- Use 0.9 power factor LED lights rather than incandescent bulbs and energy savers
- Use DC inverter air conditioners instead of conventional air conditioners
- Use digital inverter instead of UPS
- Reduce your reliance on electric grid by installing solar PV system for self-consumption and for feeding into the grid.

**INVERTER**  
**26**

**LED**

**ENERGY**  
**CONSERVATION**  
**EFFICIENCY**

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