

ENERGY CONSERVATION POLICY

In today's world the responsible and sustainable use of energy resources is of paramount importance. As our global population continues to grow the demand for energy is ever-increasing and this has significant impact on both the environment and our economic stability. An energy conservation policy plays a crucial role in promoting sustainability, reducing environmental impact, and saving financial resources. Many colleges and universities worldwide have recognized the importance of energy conservation and have implemented comprehensive policies to address this issue. Such policies outline the commitment to energy conservation, employed strategies and the expected benefits for the organization and planet as a whole.

Preamble

As an institution of higher learning dedicated to knowledge, innovation, and the well-being of our community and the environment, Guru Teg Bahadur Khalsa College for women, Dasuya is committed to responsible energy management. We recognize the profound impact of energy consumption on climate change, environmental sustainability, and our operational costs. This Energy Conservation Policy is our commitment to reduce energy use and greenhouse gas emissions, foster a culture of sustainability, and ensure the efficient use of energy resources across our campus.

Energy conservation Practices

All campus facilities and departments are required to comply with energy efficiency standards and guidelines set forth by Guru Teg Bahadur Khalsa college for women, Dasuya. When purchasing equipment and supplies, preference is given to energy-efficient and environmentally

friendly products. To optimize energy consumption and minimize wastage, we have implemented the use of LED bulbs and power – efficient equipment throughout our academic, administrative and hostel. LED bulbs not only consume significantly less energy. Compared to incandescent bulbs, they are a massive 80% more efficient and they turn 95% of their energy into light, whereas older lighting would produce a lot of heat. It also have a longer lifespan, reducing the need for frequent replacements, Additionally we prioritize the use of power-efficient equipment and appliances, further contributing to energy conservation and minimizing our environmental impact. Use of energy saving LED is also expended to all the display devices used in our computer and science labs. In computer labs all the CRT monitors have been upgraded to LED monitors, and all new devices that have been procured are energy efficient. A roof top solar power plant of capacity 78.36 KW is linked with the electric grid of Electricity Department where surplus power generated is fed back through a meter installed for this purpose. Same is to be maintained. Students and staff participate in daily energy conservation practices, such as switching off lights and fans when not in use.

Promote awareness on Energy conservation

Raising awareness on energy conservation in colleges is an important step in promoting sustainability and responsible energy use. Educating students about the importance of energy conservation not only helps reduce the environmental impact but also saves money for college. Launch energy conservation awareness campaigns throughout the academic session. Use posters, newsletters, and social media to inform students, staff, and parents about the importance of saving energy.

Applies to

Faculty, staff, students and visitors.

Save Energy tips to be followed:

- Activate power management features on computer and monitor so that it will go into a low power “sleep” mode when the students and staff are not working on it.
- Turn off the monitor when the students and staff leave the table.
- Activate power management features on laser printer.
- Whenever possible, shut down rather than logging off.
- Turn off unnecessary lights and use daylight instead.
- Avoid the use of decorative lighting.
- To install LED bulbs in the complete campus to save energy or compact fluorescent bulbs.
- Keep lights off in conference halls, classrooms, seminar halls when they are not in use.
- Use the fans only when they are needed.
- Unplug appliances not plugged into power strips
(Like Refrigerators, ACs, tea/coffeepots, printers, and chargers etc.)