

Indian Trail Academy
6800 60th St.
Kenosha, WI 53144

Energy Conservation Action Plan
For KEEP

December 3, 2004
Kris Keckler

I. Action Plan Summary:

The purpose of this action plan is to educate the Indian Trail Academy community as to the current utility usage and safe and practical ways to meet the Kenosha Unified School District's 15% energy reduction. The current information will be presented to the staff during an in-service session, and further updates will be communicated when monthly updates are released from the district office. The majority of the staff would benefit from energy education, and the district incentive of 25% of school savings redirected back to Indian Trail Academy.

II. Introduction to the Audience:

The intended audience will consist of the primary Indian Trail Academy community that consists of teachers, administrators, custodial, janitorial, students, and parents. Even though our school is only seven years old, and outfitted with equipment that has some energy conservation technology implemented, there are still several practices that could be implemented to conserve energy.

III. Statement of Problem:

The student and staff enrollment has grown in minor increments over the last few years, and the energy usage has increased in relative proportions. However, with smart usage, education, and monitoring, the district goal of a 15% utility reduction could be met and/or exceeded. Most staff members are not yet aware of the areas of daily usage that could lower our utility school bill. There are several electronic devices (computers, projectors, copiers, and audio visual components) that would benefit from an appropriate energy guide.

IV. Project Goals & Objectives:

The main district energy conservation goal is to reduce the overall usage by 15% and educate all staff members on good energy practices. The building energy coordinator will work with the custodial members on reducing the building utility usage. All staff members will understand and adhere to the recommended energy guidelines for classroom consumption and equipment management.

V. Methods & Timeline:

Each month, the current utility usage will be compared to the previous year utility usage. Adjustments will be made for the change in energy prices and temperature difference. During the current school year, the monthly energy usage will be recorded and compared to the previous year each month. There will be an informative staff in-service on December 15, which will highlight this plan and expected guidelines for meeting the district standard. A summative presentation will be given at the end of the school year and reviewed for future suggestions and improvements. Utilize energy saving devices to further our conservation.

VI. Evaluation Criteria & Process:

Monthly utility bills and energy usage will be distributed to each school. Those totals will be compared to last years' energy usage. The school staff will be kept informed as to our district goal of 15% reduction. Classroom devices will be given an energy audit and recommendation for conservation. A summative usage survey may also be distributed at the end of the year to gauge the staff's reaction to the energy conservation plan.

VII. Budget:

There is no existing budget to support this program. However, ITA will participate in the Bright Idea Fundraiser in mid-January through mid-February in 2005. This fundraiser will be supported through our student council and the PTSO. The school will receive \$2.00 for every \$3.00 CFL light bulb sold. The money generated will be used to purchase energy saving equipment (i.e. WattsUp meter) and further our internal conservation initiatives.

VIII. Communication Plan:

The data gathered up to this point will be presented to the staff during a staff development training period. Each member will obtain the current history of energy usage at Indian Trail Academy and the current district program for a 15% utility reduction for the 2004-2005 school year. An informative article will also appear in the school newspaper highlighting the action plan and the associated fundraiser. The PTSO will be provided with the plan during their next monthly meeting.