

**Parkland School District
Continuous Energy Improvement (CEI) Scope
Phase III - June 1, 2016 through May 31, 2017**

The Parkland School District (PSD) in Allentown, Pennsylvania has been provided an opportunity to work in conjunction with PPL electric Utilities and Strategic Energy Group (SEG) to participate in a Continuous Energy Improvement (CEI) Program. Designed to possibly save PSD as much as 5% to 15% of the district's annual electrical energy usage and piloted at Orefield Middle School last year, Parkland HS (PHS) will be utilizing similar procedures and methodologies to support the new "Parkland Culture" of energy conservation. We have set our program goal at 2 % for the first year of our program.

To achieve our goal, we will be relying on the PSD Energy Team, our own PHS Green Team, and SEG's experience and recommendations for improving our energy efficiency. Our focus at PHS will not only be to decrease our energy usage here at school, but to also educate students and their families of energy saving habits and practices they may try at home to conserve energy. We will strive to change and improve our behavioral culture increasing staff and student awareness. We will track and analyze available data for PHS electrical consumption to ascertain the effect of our changed behaviors on electrical usage.

For this CEI program to be successful in the Parkland School District, leadership and commitment is required. Toward that end, the positions of Energy Sponsor, Energy Champion, and Green Team have been established. Meetings will be routinely held. Presentations and discussions with our entire staff will occur to keep them updated and informed as to what we are doing, why we are doing it, and the degree to which we are being successful.

Approved: _____
(CEI Sponsor)

Date: _____

Approved: _____
(Energy Champion)

Date: _____

Comprehensive Plan

CONTINUOUS ENERGY IMPROVEMENT STRATEGY 2016 - 2017: CEI Year #3

PURPOSE

While the Parkland School District has always been proactive relative to the efficient use of energy, beginning in March of 2014 a new philosophy and game plan was implemented. While the main thrust of this initiative was energy conservation and the associated dollar savings that naturally ensued, we also committed to conservation in all areas of the district. We committed to the ongoing education of both our students and staff toward that end. The general, overall and overriding goal of this initiative was to then, and is now, to ensure the school district is being the best possible steward of our environment.

AUTHORITY

The initial phase of this renewed initiative was a Continuous Energy Improvement Program sponsored by PPL and implemented by the Strategic Energy Group (SEG). The Superintendent of schools was designated as the Energy Sponsor and ultimately directs all efforts in this area. During the first two years of the program (2014-2016) an Energy Champion was designated to oversee the creation and implementation of the program. This same basic organizational structure continues into year three of the program, even though the financial/logistical support of PPL/SEG has expired. Because of the program's proven value, Parkland has committed to perpetuate CEI using its own resources.

DELEGATION OF RESPONSIBILITY

To implement and continue this program, an Energy Team of two components was established. The Core Team is composed of the Superintendent, Assistant Superintendent, Assistant to the Superintendent for Operations, the Director of School Services, the pilot building Principal, and the district Energy Champion. This Core Team is supplemented with individual school Energy Teams which are comprised of teachers, custodians, cafeteria workers, school building principals, as well as parents and students. These Energy Teams will work to promote

continuous energy improvement within each school as well as continuously evaluate all aspects of the school operations, identify weak spots and recommend remedial action(s).

GUIDELINES

Each building energy Team will meet monthly with their building Principal, Director of School Services, district Energy Champion along with the School Energy Champion.

OBJECTIVES

The Continuous Energy Improvement Program will continue to focus primarily on two areas: mechanical/operational and behavioral/cultural.

Mechanical/Operational - ensure that when purchasing new and /or replacement equipment we evaluate the life cycle cost of the equipment, taking into consideration not only the purchase price, but also the cost of energy and anticipated maintenance. Also, a top priority will be to evaluate the effective operation of all equipment and systems, including but not limited to, proper settings, schedules and all "nuts and bolts" adherence to specifications.

Behavioral/Cultural - ensure that all students and staff members are utilizing best practices relative to energy conservation, recycling, and other "green" conservation initiatives as well. Ongoing training is a hallmark of this process and will become incorporated in classroom work, in-services, etc.

Reports will be given quarterly to the Core Team and to the Board of School Directors to document progress, promote awareness, and trumped successes within the district.

PARKLAND SCHOOL DISTRICT
CONTINUOUS ENERGY IMPROVEMENT (CEI) SCOPE
PARKLAND HIGH SCHOOL
SEPTEMBER 2016 THROUGH JUNE 2017

The Parkland School District (PSD) in Allentown, Pennsylvania has been provided an opportunity to work in conjunction with PPL Electric Utilities and the Clear Results to participate in a Continuous Energy Improvement (CEI) Program. This program has been designed to provide significant savings relative to the district's annual electrical energy usage. Parkland High School (PHS) has joined Orefield Middle School (PSD Pilot School) as well as all of the other Parkland schools to implement energy saving measures. Our team is committed to achieving a 6% saving in the 2016-17 school year in our energy saving measures. It is our expectation that we can meet this challenge with success and will perpetuate those successes into future years so that these procedures become part of the new "Parkland Culture" of energy conservation.

PHS will be working with the other PSD schools to incorporate different strategies in order to maximize the potential we have for saving energy resources and dollars. Our focus at PHS will not only be to emphasize energy savings in the building's infrastructure, but also to pass strategies along to students and staff so that benefits can be seen on a larger scale. In addition to saving electrical energy, we will also monitor and plan on reducing the usage of other utilities, such as water and natural gas. PHS will continue to promote awareness and increase recycling of the building's consumables, where possible.

To achieve our goals, PHS has established an Energy Team which will guide our efforts and communicate our initiatives throughout the entire building. One important area of focus will include changing and improving our behavioral culture by increasing staff and student awareness of our building's energy consumption. Efforts have been made to save energy on weekends and holidays when the building is not in use. Initial surveys and energy data will help to develop a baseline, which will aid in determining the best options for future implementations.

For this CEI program to be successful in the Parkland School District and PHS in particular, leadership and commitment is required. Toward that end, an Energy Sponsor, Energy Champion, and Energy Team have been established. Monthly meetings will be routinely conducted, which will include a blend of faculty, staff, and students. Presentations and discussions with our entire building will occur to keep them updated and informed as to what we are doing, why we're doing it, and the degree to which we are being successful.

APPROVED  DATE 1-30-17
Parkland Energy Sponsor

APPROVED  DATE 1-27-17
Parkland Energy Champion

APPROVED  DATE 1/27/17
Parkland High School Energy Champion