

## Rib Lake School District Energy and Deferred Maintenance Project

### Rib Lake ACT 32 Project Overview

Several months ago, the Rib Lake School Board and its Administrative team embarked upon a directive to conduct extensive long term planning of the District facilities. The intended effort was to examine what capital and operational items needed to be upgraded or replaced in order to prepare the School District facilities for the next generation of students. The core focus was to identify quality long term cost effective solutions in order to reduce the Districts' energy consumption, enhance the learning environment for staff and students and reduce maintenance and repair costs over the long term. The efforts by the District coincide with Wisconsin k12 legislative reforms know as ACT 32. ACT 32 has been around since 2009 and serves as a financial vehicle for districts to adopt a resolution to increase its revenue limit by the amount spent in a given year to finance such projects. Before this legislation, many Wisconsin schools had been forced to defer or shelve maintenance needs like new windows, boilers, chillers, insulation and more, simply because of State imposed revenue caps. The ACT 32 statute allowed districts like our own to begin investing in its own facilities once again.

This summer Rib Lake went through a competitive process of hiring a professional Energy Service Company (ESCO) to conduct a campus-wide facility audit and building needs assessment. H&H Energy Services, Inc., a State of Wisconsin approved ESCO out of Madison, was chosen to assist the schools in these efforts. H&H has spent extensive time examining the building shell, mechanical, electrical, and plumbing systems, along with IT upgrades, lighting, the building controls system; amongst other disciplines. The culmination of several months of work was presented to the School Board on December 4<sup>th</sup> where budgets and project scopes were identified and approved for various projects in each facility. Based upon these efforts and several successive meeting on this, the Board will be seeking to pass a resolution on December 11th to invest in such measures. The project work is set to be designed in December and early 2015 with construction beginning in the summer of 2015.

### Scope of Work

The follow is an overview of the projects being further investigated on behalf of the district.

Name	Projects	Facility	Description
District Electrical Work	Indoor Lighting	MS / HS / ES	LED Indoor Lighting
	Lighting Controls	MS / HS / ES	Occupancy Sensors
	Outdoor Lighting	MS / HS / ES	LED Outdoor Lighting
	Electrical Study/Repairs	HS	Electrical Panel Study and Repairs
	Gym Lights	ES	Replace HID with Fluorescent Highbay in Gym
	Stage Lighting	HS	Replace School Stage Lights
District HVAC	Biomass Boiler	MS	New biomass Boiler
	HVAC Upgrades	MS / HS / ES	HVAC Upgrades
	DDC Controls	MS / HS	MS / HS DDC controls conversion
	DDC Integration Elem	ES	Integration of KMC controls to Tridium
Roofing	Moisture Test/Repairs	ES	Nuclear Moisture Test on Elem. And Repairs
	Roofing Replacement	MS / HS	Replace Identified Sections of HS/MS
Exterior Work	Windows	MS / HS / ES	Window replacement/Fixes
	Sealants	MS / HS / ES	Cut out Sealants and replace
Building Envelope	Building Envelope Sealing	MS / HS / ES	Building Envelope Sealing
Plumbing	Facility Plumbing	HS / MS / ES	Water Heater and Flush Valve Install
Mud Jacking	Mud Jacking Investigation	ES	Further review of mud jacking issues on site