

# A SUSTAINABLE FUTURE THROUGH ENERGY INNOVATION

In April 2016, the Juda School District passed a \$5.7M building referendum for building improvements, remodeling, renovations and repairs to address key areas of needs in facilities, safety/security, curriculum/ instruction and technology. The work was completed over two summers and finished in Summer 2017.


Shortly thereafter, the District was approached by Upper 90 for an opportunity to apply for the Energy Innovation Grant Program offered by the Wisconsin Public Service Commission. The overall mission of the program is to reduce energy consumption, increase the use of renewable energy and transportation technologies, bolster preparedness and resiliency in the energy system, and ensure that steps are taken to create comprehensive energy plans for our future here in Wisconsin.

## "UPPER 90 WAS OUR PARTNER ALL THE WAY THROUGH"

- **100% FUNDED BY WISCONSIN  
PSC EIG PROGRAM**
- **\$20K POSITIVE IN THE YEAR 1 FROM  
ADDITIONAL REBATES (6.1 YEARS  
WITHOUT GRANT FUNDING)**

Upper 90 proposed a project that would finish the LED lighting conversion, eliminate air leakage by sealing the building envelope, eliminate stratified air by using destratification fans, add on to the existing solar PV system, and optimize the HVAC system by implementing demand-controlled ventilation and refining equipment sequences of operation, schedules, and temperature set points.

The total project cost was \$261,440, with thousands of savings from the outset. The Simple Payback for investing in energy efficient options.

 **\$34,025**  
FOCUS ON ENERGY REBATE

 **\$6,473**  
IN ANNUAL MAINTENANCE SAVINGS

 **\$30,735**  
IN ANNUAL ENERGY SAVINGS





The Juda School District is in southwest Wisconsin and serves a student population of approximately 300 students, grades 4K through 12th, all within a single facility in the village of Juda. The area enjoys close proximity to Monroe and Madison, which allows residents to take advantage of cultural and educational opportunities while still enjoying the rural small-town atmosphere. They are very proud of the quality of the facilities and the ongoing care and upgrades to the building that the district continuously provides.

**"THERE ARE SO FEW WAYS FOR US TO SAVE MONEY WITHOUT AFFECTING STUDENT LEARNING - BUT ENERGY EFFICIENCY IS ONE OF THOSE WAYS! WE KNEW WE NEEDED NEW LED LIGHTS AND HIGHER EFFICIENCY BOILERS, BUT THE TRUTH IS WE REALLY NEEDED BUILDING ENVELOPE WORK AND HVAC OPTIMIZATION ALSO. UPPER 90 WAS OUR PARTNER ALL THE WAY THROUGH, FROM PROJECT PRIORITIZATION, GRANT WRITING AND FUNDING, TO PROJECT COMPLETION. THEY EVEN WORKED WITH MY HIGH SCHOOL STUDENTS ON ENERGY EFFICIENCY AND SOLAR. THE BEST PART IS WE ARE GOING TO SAVE A FULL TEACHER'S SALARY - WHICH IS HUGE IN OUR SMALL DISTRICT."**

**-SCOTT ANDERSON, 2018 ENERGY EDUCATOR OF THE YEAR,  
JUDA SCHOOL DISTRICT**

