

# North Wood R-IV School District

Energy-Efficiency Upgrades and ADA Improvements  
Salem, Missouri



## QUICK FACTS

**Completion:** 2019

**Total Square Feet:** 39,000

**Number of Buildings:** 1

**Total Project Cost:** \$1,400,000

**Annual Savings:** \$30,800

## ENERGY CONSERVATION MEASURES

- LED lighting fixture
- new doors
- window & roof/wall joints
- high efficiency heat pumps
- new building control system
- roof repairs and replacements
- ADA compliant lift

## BACKGROUND

North Wood R-IV School District is a rural Pre-K through 8th grade district located in Salem, MO. The district comprises multiple connected buildings so that all students can be served at a single location.

## CHALLENGE

The District had a mixture of energy-saving needs and facility repairs that they wanted to address under a single project. ESP's analysis found that the savings from some of the energy-saving improvements with faster paybacks could be leveraged to help pay for upgrades that required a larger investment.

## SOLUTION

ESP installed new LED lighting fixtures; sealed around doors, windows and roof/wall joints to reduce air infiltration; installed high efficiency heat pumps; setup a new building control system; repaired and replaced portions of the roof; and installed a new ADA compliant lift.

## BENEFITS

The new lighting, along with the high-efficiency heat pumps, have made the learning and teaching environment more comfortable throughout the District. Roof repairs were able to be addressed by leveraging savings from other measures, and the new ADA lift allows much greater accessibility to the gymnasium.

