

# Roane County High School saved over \$41,000 annually with a TVA EnergyRight® LED lighting upgrade for its football field.

The oldest and largest high school in the county, Roane County High School in Kingston, TN, partnered with TVA EnergyRight and Rockwood Electric Utility to replace its old football field lighting with modern LEDs. The update both saved the school tens of thousands of dollars and improved lighting for players.

## THE CHALLENGE

The school's football field relied on metal halide lighting, which was far more expensive to operate than LED alternatives. Over time, the reduced lighting quality also had the potential to impact the football team's performance.

PROJECT PAYBACK PERIOD:

**12% faster**  
with TVA EnergyRight incentives.

INCENTIVE AMOUNT:

**\$12,934**

ANNUAL COST SAVINGS:

**\$41,228**

ANNUAL ENERGY SAVINGS:

**323,356 kWh**

PROJECT COST:

**\$104,360**

PAYBACK PERIOD:

**2.2 years**

10-YEAR ANTICIPATED ROI:

**351%**

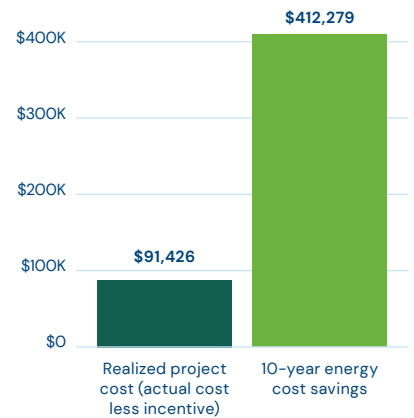
## THE SOLUTION

With guidance from the TVA business development team and the Preferred Partners Network, Roane County High School upgraded its football field lighting to modern LED fixtures with the help of a \$12,934 TVA EnergyRight lighting incentive.

## THE IMPACT

The LED upgrade reduced energy use by 323,356 kWh annually, enough to power more than 30 homes for a year. The school is also projected to see a \$412,279 10-year return.

ONE-TIME INVESTMENT.  
BIG RETURNS.



See how TVA EnergyRight incentives can help power your next efficiency upgrade.



To connect with a TVA Energy Expert, submit the form at [EnergyRight.com/business-industry/energy-expert](https://EnergyRight.com/business-industry/energy-expert)



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