

# CASE STUDY

## CENTRAL ARKANSAS LIBRARY SYSTEM



### LOCATION

Central Arkansas

### PROJECT CONTACT

Lance Ivey  
Director of Facilities & Operations  
501.918.3034  
livy@cals.org

### PROJECT SIZE

\$2,545,294

### ANNUAL SAVINGS

\$208,928

### FINANCING

Energy Savings Performance  
Contracting

### BACKGROUND

The Central Arkansas Library System consists of over 424,900 square feet of facilities spread across a variety of locations including library branches, maintenance facilities, and a theater.

Upon investigation, it was revealed that there were several opportunities to reduce energy waste in many areas: inefficient lighting, manual thermostats, dated HVAC equipment, and high-flow water fixtures. The financial impact of these measures, when bundled together in a single project, was significant: over \$3.7 million in lifetime savings to the Central Arkansas Library System.

Upon approving the Entegrity project in November 2018, funding for the project was secured and implementation began in March of 2019. Entegrity conducted work and implemented multiple energy saving strategies in 18 Central Arkansas Library System locations, upgrading over 5,600 lamps, fixtures, and controls and 95 faucets. HVAC equipment was also updated and utility rate corrections were made at 5 of the CALS locations.



## THE OPPORTUNITY

- (5,670) halogen and fluorescent light fixtures
- (64) HVAC units past useful life or 30% below minimum code efficiency
- (95) high-flow water fixtures

## THE ENTEGRITY SOLUTION

- 100% LED light fixtures and lamps across all buildings
- HVAC equipment replacements
- HVAC Retro-Commissioning
- Elimination of lighting maintenance costs thru long-term warranty for lamps and fixtures
- Rate correction measures implemented
- Over \$3.7 million in net lifetime savings to CALS (over term of agreement)



*Entegrity is a sustainability and energy services company specializing in the implementation of energy conservation and renewable energy projects. Entegrity is uniquely qualified to deliver innovative and sustainable solutions to Optimize Building Performance. We help our clients realize long-term energy savings by focusing on their needs: selecting the most cost-effective scope, contract structure, and financing strategy available to them. Our comprehensive service package includes energy savings performance contracting, commissioning, energy modeling, building testing, lighting solutions, renewable energy, water conservation, and sustainability consulting.*