

# CALHOUN COUNTY

## Youth Center Renovation & County-wide Energy Project

Battle Creek, MI

ANNUAL  
PROJECT SAVINGS

2,644,891



Miles driven by an  
average passenger  
vehicle

44,659



Trash bags of  
waste recycled  
instead of landfilled

1,230



Acres of US forest  
in one year

DECARBONIZATION



**Total Project Cost:**  
\$17,329,400

**Contract Amount:** \$4,329,400  
(ESCO/CM Contract)

**Annual Guaranteed Energy &  
Operations Savings:** \$142,350

**Guarantee Term:** 5 Years

**Anticipated Completion Year:**  
2024

*"These renovations will make it easier for us to do our jobs, by creating an environment where kids can feel calm, ensuring their safety and staff's safety with security & communications improvements, and simply providing purposeful space for the various aspects of life here at the Youth Center."*

- Tori Benden,  
Youth Center Director



### PROJECT OVERVIEW

For decades, the aged Calhoun County Youth Center, built in 1957, has been in critical need of renovations. After two previous failed attempts to address needs, Calhoun County, Michigan, reflected on its previous successes in energy service performance contracting and chose to partner with Veregy. The project cost is offset by guaranteed energy and operational savings as well as federal funding through the Inflation Reduction Act. Veregy brought together the concept of a design-build renovation, guaranteed savings, federal funding opportunities, and other creative methods to make this renovation and energy project a reality.

### PROJECT HIGHLIGHTS

- Modernization and renovation of 72% of the Youth Center
  - New pod design to double the size from 15,117 to 29,941 sq ft
  - Increase capacity from 42 to 52 beds for greater community impact
  - Create dedicated spaces for resident activities (medical office, visitation area, courtroom, etc.) as well as a dedicated employee break space
- Install 70 kW ground-mounted solar PV system at the Youth Center
- Install 517 kW roof-mounted solar PV system at the Justice Complex
- Install 195 kW roof-mounted solar PV system at the Toeller Building
- Retrofit existing fluorescent lighting with new LED lighting in the Youth Center, Justice Complex, Toeller Building, Administration Building, Road Department, and Albion Building
- Integrate new solar arrays into existing building automation system
- User-friendly interface for solar asset management (LightLevel)



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