

CUSTOMER SUCCESS STORY



Kinross Correctional Facility

Workforce Opportunities Flow from a Modernization Initiative

To address ongoing energy performance needs while bolstering regional workforce development, the Michigan Department of Corrections (MDOC) partnered with OPTERRA Energy Services (OPTERRA) to design and implement energy- and water-saving measures along with facility upgrades in 25 buildings throughout the Kinross Correctional Facility in Michigan’s Upper Peninsula.



SOLUTIONS

- Furnace and heater upgrades
- Boiler modifications
- Air-cooled condensers
- Energy management systems
- Controls and motion sensors
- Lighting retrofits
- Exit signs
- Water conservation measures (low-flow showers, faucets, and toilets)



BENEFITS

\$375,000+
annual savings

Guaranteed results

with energy performance contract (EPC)

25 buildings

benefit from energy and water conservation

16 new jobs

created in the local community

Improving Efficiency of Climate Control

OPTERRA eliminated the underground steam distribution pipes to seven buildings, installing smaller boilers in each of those buildings to provide heat as needed. The new boilers eliminated the steam distribution losses of the previous system, as well as the associated maintenance problems.



Enhancing Sustainable Operations

The project was part of the MDOC's commitment to creating a more fiscally and environmentally responsible correctional institution. The energy efficiency measures have delivered significant gas and electricity bill savings, while reducing Kinross's carbon footprint. The annual savings of more than \$375,000 exceeded the amount guaranteed in the EPC.

Community development continues to be a top priority of OPTERRA, as it looks for new and creative ways to create impact throughout the Midwest with government customers like the State of Michigan.

Benefitting the Surrounding Community

As part of this project, the MDOC and OPTERRA created and retained at least 16 jobs in the local community of Kincheloe, Michigan. In a community of less than 2,600 people, this represents a notable contribution to employment that sustains social and economic stability.

