

City of Perryville, Phases 1-2

Perryville, MO

PROJECT SAVINGS

779,972



Miles driven by an average passenger vehicle

106



TONS of waste recycled instead of landfilled

380



Acres of US forest sequestered in one year

DECARBONIZATION

Combined Cost: \$3,850,428

Type: Guaranteed Performance Contract

Guaranteed Annual Savings:
Energy: \$57,446
Operations-Maintenance: \$273,533

Grants / Rebates: \$7,913

Term: 15-Year Terms

Contact:
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City Administrator
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215 N. West Street
Perryville, MO 63775

PROJECT OVERVIEW

Veregy developed a 2-Phase project approach for the City of Perryville's Perry Park Center which provides a simplified, sustainable mechanical solution that renews the facility's natatorium assets, lowers the long-term operational and maintenance costs, reduces the facility's consumption of energy, and enhances the quality of the indoor environment. Achieving these goals was based on developing solutions and Energy Conservation Measures (ECMs) for the building and process issues. Electrical consumption was reduced by 437,926 kWh.

PROJECT HIGHLIGHTS

ECM #1 - Mechanical System - Healthy Building Technology: HVAC equipment upgrades/replacements and installation of variable frequency drives for efficiency, comfort, and extending the system life. Bipolar ionization technology was utilized in the gymnasium ventilation system reducing the risk of exposure to bacteria and viruses as well as other air contaminants.

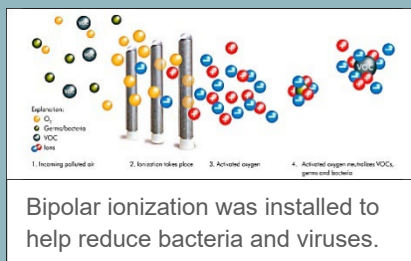
ECM #2 - Lighting - Upgraded all lighting to higher-efficiency and longer-life LED systems

ECM #3 - Pool Partition Doors - Added a window wall with double doors to separate the natatorium from the recreation center, allowing the proper pressure relationship to be maintained and keeping the more humid pool air from migrating into the rest of the building.

ECM #4 - Natatorium Skylight Replacement - Demolished and replaced the deteriorating skylight system with an insulated metal roof system. This significantly reduced the solar load in the pool area.

Additional Improvements

- New Decorative Broadcast Epoxy Flooring System in Pool Area and Locker Rooms
- New lockers and benches



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