

Final Scientific/Technical Report  
Hardin County General Hospital

DOE: DE-EE0003530  
Hardin County General Hospital  
Energy Efficiency Upgrades  
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#### Executive Summary

The energy efficiency upgrades project at Hardin County General Hospital did not include research nor was it a demonstration project. The project enabled the hospital to replace outdated systems with modern efficient models. Hardin County General Hospital is a 501c3, nonprofit hospital and the sole community provider for Hardin and Pope Counties of Illinois. This project provided much needed equipment and facility upgrades that would not have been possible through locally generated funding.

Task 1 was a reroofing of the hospital. The hospital architect designed the replacement to increase the energy efficiency of the hospital roof/ceiling structure.

Task 2 was replacement and installation of a new more efficient CT scanner for the hospital. Included in the project was replacement of HVAC equipment for the entire radiological suite.

Task 5 was a replacement and installation of a new higher capacity diesel-fueled emergency generator for the hospital replacing a 50+ year old gas-fired generator.

Task 7 was the replacement of 50+ year-old walk-in cooler/freezer with a newer, energy efficient model.

Task 8 was the replacement of 10+ year-old washing machines in the hospital laundry with higher capacity, energy efficient models.

Task 9 was replacement of 50-year old single pane curtain window system with double-pane insulated windows. Additionally, insulation was added around ventilation systems and the curtain wall system.

Tasks 3, 4, 6 were originally proposed but not included in the final project and were omitted from this report intentionally.

No products were developed in this project and the final specifications and designs were provided by contracted architect, mechanical and electrical engineers to use more efficient equipment and construction techniques in the replacements for the facility.