

Housing Authority of the City of Greenwood, Mississippi Energy Performance Contract

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In the heart of the Mississippi Delta, the Housing Authority of the City of Greenwood provides affordable housing for community. In 2011, Greenwood Housing Authority partnered with Siemens Industry, Inc., to make infrastructure improvements throughout its residences.

Objectives

The Greenwood Housing Authority wanted to reduce energy consumption in its homes through conservation and energy-efficient upgrades while protecting its capital budget. The Housing Authority also established these objectives for the project with Siemens:

- Make energy-saving infrastructure improvements throughout its residences
- Generate significant annual utility savings
- Create jobs for the local economy.

Solution

For the first housing authority Energy Performance Contract in Mississippi, Siemens is implementing the following solutions in 408 Greenwood Housing Authority homes:

- Energy-efficient lighting retrofit of 4,200 light fixtures
- Water-conservation upgrades including:
 - 488 toilets
 - 851 faucet aerators
 - 436 showerheads
- Replacement of 286 domestic hot water heaters, including the conversion to electric power
- Replacement of 408 HVAC systems with dual fuel heat pumps

Results

Over the 15-year duration of the Energy Performance Contract, Siemens estimates these solutions will combine to save the Greenwood Housing Authority approximately \$278,000 in annual utility and operational expenditures. These savings are guaranteed by Siemens through the terms of the Performance Contract.

To help stimulate job growth for the local economy, Siemens is working with local resources to implement the energy-saving solutions.

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