

Energy Savings Case Study

DeSales Community Development



For the DeSales Community, providing their residents with maximum comfort and reduced energy costs are priorities. That's why they worked with the CommunitySavers® Program, which is co-delivered by Ameren Missouri and Spire, to upgrade to high-efficiency equipment with the help of program incentives.

Project Summary

For residents with low-efficiency heating and cooling equipment, keeping their homes comfortable can be taxing on old systems and very costly. Therefore, upgrading old gas furnaces and condenser units with new, efficient units was of the utmost importance for the DeSales Community. The Ameren Missouri CommunitySavers Program, in partnership with Spire, installed high-efficiency gas furnaces, new central air conditioning condenser units, and new high-efficiency Air Source Heat Pumps (ASHP), all controlled by brand-new smart thermostats. The Program also installed high-efficiency showerheads and energy-efficient LED lighting.

Technology

Replacing an old gas furnace with a new efficient model can reduce gas consumption by as much as 16%. More than 80% of homes in this community were eligible for, and received, new 96% AFUE high-efficiency furnaces. Upgrading a central air condenser unit to one with a higher SEER rating can reduce cooling energy consumption by as much as 60%. For electric homes, heat pumps use up to 50% less energy than traditional HVAC systems, keeping homes

comfortable while saving big on energy costs.

Smart thermostats can reduce heating and cooling costs by up to 20% by optimizing system performance based on time of day, occupancy and more. Efficient showerheads improve water use efficiency, which reduces demand on water heaters, saving energy and money.

Incentive

The primary benefit to enrolling in the Ameren Missouri CommunitySavers Single-Family Program is full coverage of all installation costs. Neither the residents nor the community needed to pay a dime out of pocket from start to finish. The entirety of the work completed was funded through the Program, co-delivered by Ameren Missouri and Spire.

Outcome

While the DeSales Community staff are enjoying reduced maintenance costs and better equipment reliability, the residents stand to gain the most. From the increased comfort through the new HVAC equipment with smart thermostat control, to increased lighting and water efficiency, residents will save money and energy each month moving forward.

Project Details

Homes Served:

26

Energy-saving upgrades:

- High-Efficiency Gas Furnaces
- Central Air Conditioners
- ASHPs
- Smart Thermostats
- Lighting and Showerheads

Annual energy cost savings:

\$369 per home (avg.)

Annual electric energy savings:

3,450 kWh per home (avg.)

Annual gas energy savings:

390 therms per home (avg.)

Total community investment:

\$186,247

Average investment per home:

\$7,163

You Can Save Too!

When you're ready to get started saving, call us at 1.877.215.5752 or email Savings@AmerenMissouri.com