



Village on the Lake Condominiums

Natural Gas Savings through DRF's
Resource Conservation Solutions Program

Location: Elk Grove Village, IL
Facility Size: 94 units



RESOURCE
CONSERVATION
SOLUTIONS

PROJECT DESCRIPTION

Saved 3.7M BTUs

Replaced

- Two-2.5M BTU boilers
- Two-750,000 BTU boilers
- 1,308 gallon holding tank

With

- Four-700,000 BTU 96% efficient boilers
- Six 99% efficient indirect water heaters



PROJECT OVERVIEW

Project Cost: \$284,730

Financing: Community Advantage Bank

Rebate Amount: \$11,200

High-efficiency ROI: 3 years

Annual Therm Savings: 31,600

Projected 20-Year Savings: 632,000 therms



THE TEAM

Jim Blanchard, Association Representative

Dennis Fiddick, Solutions Engineer, DRF

Scott Schnurr, President, DRF

"The project was handled in the timeline that was promised and there was very little inconvenience, if any."

-Jim Blanchard, Village on the Lake #5



THE NEED

The original system was approaching 40 years old and in need of repair and parts replacement. Routine and non-emergency maintenance was very expensive. DRF introduced the board to a banking connection that would finance the project, preventing a major drain on unit owners. The board had an opportunity to step in at the right time, to get the financing, and to take action.



THE SOLUTION

Analysis of utility bills and an equipment needs assessment resulted in the systematic installation process including demolition/rebuild of old equipment, and installation of new, high-efficiency equipment, saving 31,600 therms annually. The ability to complete the project while maintaining system operation makes it a year-round option.



THE RESULT

The board now has peace of mind that things are running smoothly. "We were essentially paying for [a new system] anyway, with the higher cost of an inefficient system," explained Jim Blanchard. "The savings will pay for the bank loans in 5-7 years, after which the board will be a recipient of those savings rather than be in debt for a new system."



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