

The future is green at The Bridges

Living Green

- Enjoy the great outdoors, every backyard opens to woods or water
- Keep fit in comfort with seven-foot wide paved trails winding around the ponds and over the bridges
- Six large ponds retain rainwater, boosting groundwater levels
- Environmentally-sensitive neighborhood promotes conservation living

Building Green

- Nebraska's first geothermal neighborhood offers money-saving heating and cooling with almost no fossil fuel consumption—courtesy of ClimateMaster® high-efficiency water-source heat pumps and Slim Jim® heat exchange units
- Andersen® High-Performance windows and doors maximize energy efficiency
- Green-building construction is promoted through protective covenants and offered by experienced green building contractors
- Environmentally sound waste management assured with state-of-the-art, sand-filtered underground treatment system, with no discharge into creeks or ponds



A quick look at how geothermal systems work

Geothermal technology uses the earth's natural thermal energy—a renewable resource—to heat your home. While outdoor temperatures fluctuate substantially with the seasons, subsurface ground and water temperatures remain relatively constant year-round. A geothermal loop, running underground or underwater, capitalizes on these constant temperatures.

In the winter, fluid circulating through the loop absorbs heat and carries it indoors where it is compressed to a higher temperature and distributed throughout your home. In the summer, the system reverses, pulling heat from your home and using the loop to deposit it in the cooler earth or water.

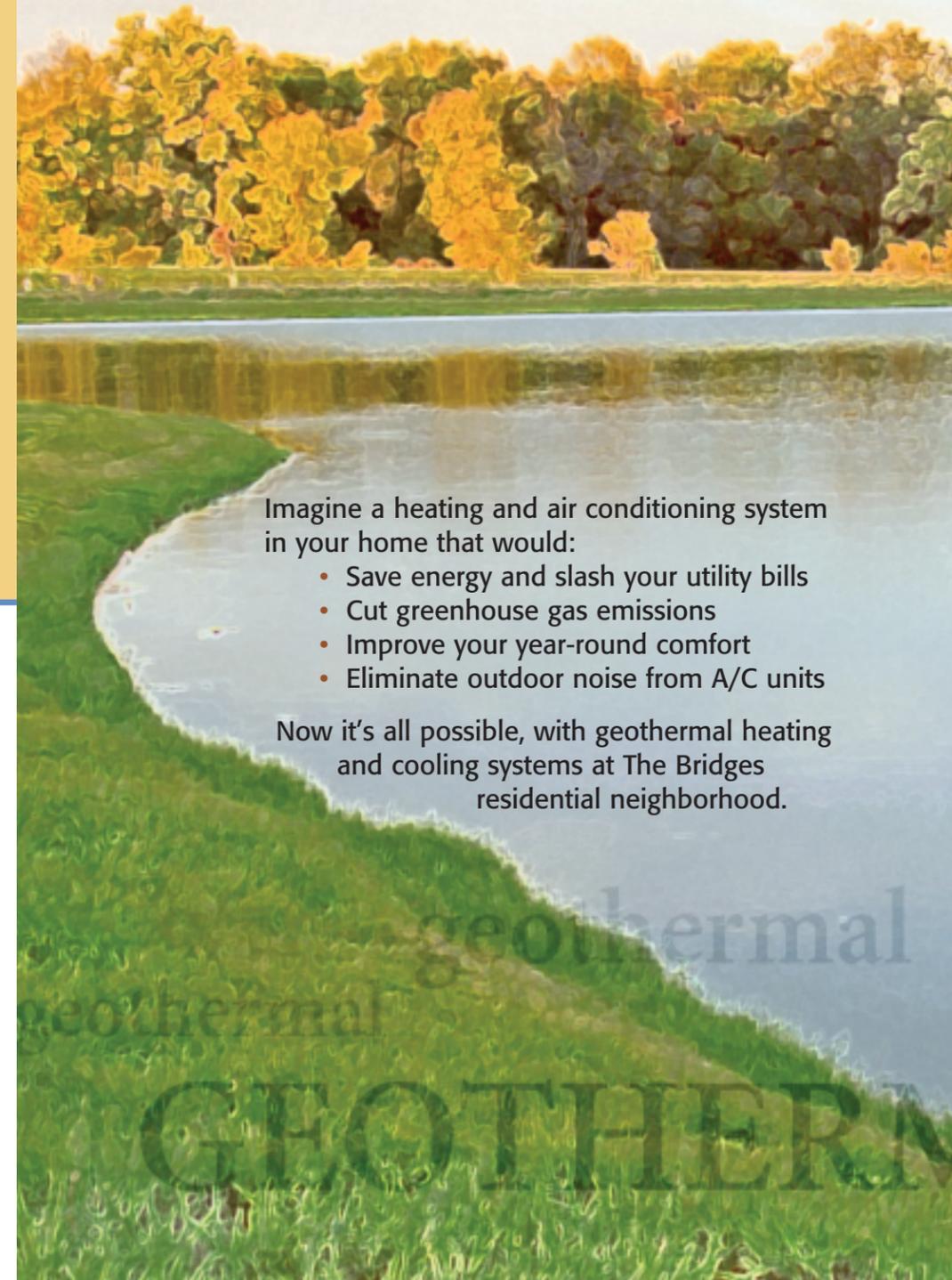
After installation, your only operational cost is for the small amount of electricity used to operate the unit's fan, compressor, and pump. So, unlike conventional systems, geothermal systems do not burn fossil fuels to generate heat—they simply transfer heat to and from the earth or pond.

Find out more at geoexchange.org

If you are interested in learning more about the science, technology, and environmental benefits—or to determine your savings with a unique savings calculator—we encourage you to visit a website with all the details: geoexchange.org.

The Bridges

Nebraska's first totally geothermal neighborhood



Imagine a heating and air conditioning system in your home that would:

- Save energy and slash your utility bills
- Cut greenhouse gas emissions
- Improve your year-round comfort
- Eliminate outdoor noise from A/C units

Now it's all possible, with geothermal heating and cooling systems at The Bridges residential neighborhood.

The Bridges

Located at S.W. 27th Street and West Denton Road

Office address:

8001 So. 13th Street • Lincoln, NE 68512

Call Gary Pickering at 402-423-5447

TheBridgesNE.com

Andersen
WINDOWS • DOORS



The Bridges proudly features homes built with Andersen® windows and patio doors. andersenwindows.com


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A renewable energy source with every lot



At The Bridges, your backyard is not only a natural delight, but it also is a money-saving, environmentally friendly energy source designed to support geothermal systems to heat and cool your home.

While conventional homes use air conditioners, heating units, and hot water heaters, a single geothermal unit has the ability to heat and cool your home, and provide the majority of your home's hot water. Moreover, a geothermal system will reduce your monthly utility bills by 30 to 70% compared to conventional systems.

Save \$500 to \$1,500 per year with geothermal

The Bridges lots and ponds have been designed to support geothermal systems—underground or underwater. Our ponds can accommodate geothermal systems for every adjacent home—in fact we've built the transfer lines into every lot.

Your geothermal system can pay for itself in three to five years—and each year after that you'll continue to save hundreds of dollars in reduced heating/cooling costs. Plus you'll take pride in knowing you are using the most environmentally-safe, cost-effective heating and cooling system available, while substantially reducing your fossil fuel consumption!

Estimated annual costs of heating and cooling*

| | Medium size home (4-ton system) | Large size home (5-ton system) |
|--|---------------------------------|--------------------------------|
| Geothermal heating/cooling system | \$ 525.00 | \$ 665.00 |
| Standard heat pump | \$ 985.00 | \$1,250.00 |
| Electric furnace with A/C | \$1,350.00 | \$1,720.00 |
| 80% propane furnace with A/C | \$1,745.00 | \$2,225.00 |

*Estimated seasonal energy costs as calculated by Norris Public Power.

Geothermal advantages

Low utility bills

Geothermal systems generally cut utility costs 30 to 70% when compared to ordinary systems. There is currently no other system on the market that gives you lower operating costs.

Positive cash flow

While a geothermal system will have a higher installation cost compared to a conventional system, it will usually pay for itself within three to five years through reduced utility costs. Incorporating the cost into your home mortgage will result in immediate monthly savings. Plus, a variety of local, state, and federal tax and utility credits are available to homeowners who install a geothermal system.

Improved comfort

Geothermal systems heat and cool homes uniformly—even in the basement. Geothermal heat feels warm, unlike traditional heat pump air, and it eliminates the hot and cold blasts of air often experienced with conventional systems. The system also dehumidifies the air during summer months.

Quiet and out of sight

Geothermal systems are as quiet as your refrigerator or freezer. Plus you eliminate noise from an outdoor unit.

Clean and safe

Geothermal units do not use fossil fuels such as natural gas or propane, so there is no worry about flames, fumes, odors, or carbon monoxide.

Lower maintenance

Geothermal systems are practically maintenance free. When installed properly, the buried loop will last for generations. And the other half of the operation—the unit's fan, compressor and pump—is housed indoors, protected from the harsh weather conditions. Periodic checks and filter changes are recommended.

Longer life

Equipment life is prolonged since geothermal components are located indoors, protected from outdoor elements. Geothermal systems typically last more than 20 years if properly maintained.

Environmentally friendly

Geothermal is recognized by the United States Environmental Protection Agency as the most environmentally-safe, cost-effective heating and cooling system on the market. Even the liquid used in the system is friendly to the environment. Installing a geothermal system is equivalent to planting 750 trees or taking two cars off the road.

The Bridges supports geothermal systems

The Bridges has selected Carrier®/ClimateMaster® high-efficiency water-source heat pumps and Slim Jim® Geo Lake Plate® heat exchange units as the key components for this geothermal development.

Underwater closed-loop system

Every lot adjacent to a pond in The Bridges development has loop piping built into the lot, ready to accept a pond loop system. When your home is built, a stainless steel plate frame heat exchange unit is placed in the pond and a closed-loop connection runs to the house.



Underground closed-loop system

For homes not adjacent to ponds, underground systems are the answer. Closed-loop piping is placed underground on your lot to tap into nature's most dependable, economical heating and cooling system—geothermal.

