



City of Wayne Newsletter

City of Wayne
Utilities

Volume 12 —Issue 6
June, 2019

ENERGYWISE TIP ~ Ground Source Heat Pumps



If you haven't already, you will likely run your air conditioning system within the next few weeks. Most public power utilities in Nebraska have higher rates June through September to offset increased costs associated with generating electricity during peak-use periods. Rather than worry about how fast your air conditioner is making your electric meter spin and raising your monthly bill, wouldn't it be nice to know your system is cooling and heating your home year-round? The solution might be right under your feet!

Also called an earth-coupled heat pump, or a geothermal heat pump, a ground source heat pump operates by transferring heat to and from the ground or groundwater. Below the frost line, the temperature of the earth in Nebraska stays fairly constant at 50 – 55°F. Heat pumps provide summer cooling by extracting heat from your home and transferring it into the earth through a mechanical process. In the winter, that process can be reversed so the heat pump extracts heat from the earth and "pumps" it into your home. Since it is much more efficient to transfer heat than to create it with electrical resistance or fossil-fueled furnaces, even during extreme temperature conditions a ground source heat pump can provide up to five times the amount of heating or cooling energy for each kilowatt-hour used to run the system.

Ground source heat pump systems generally fall into two categories: closed-loop and open-loop. Most closed-loop systems circulate an antifreeze solution, which is usually made of plastic tubing buried in the ground or submerged in water. A heat exchanger transfers heat between the refrigerant in the heat pump and the antifreeze solution in the closed loop.

Open-loop systems use well or surface water as the heat exchange fluid that circulates directly through the heat pump system. Once it has circulated, water returns to the ground through the well, a recharge well, or is discharged above ground. This option is especially practical when there is an adequate supply of relatively clean water and all local codes and regulations regarding groundwater discharge are met.

Ground source heat pump systems are reasonably warranted by manufacturers, and their working life is estimated at 25 years for inside components. The plastic tubing for closed-loop systems will last 50 to 100 years. Maintenance costs tend to be significantly less with a ground source system when compared to fossil-fueled heating systems.

Yes, setup costs for ground source heat pumps are higher than for conventional systems. However, ground source heat pump systems qualify for a number of programs that dra-

matically reduce your final cost. First, for the remainder of 2019, homeowners may claim 30 percent of qualified expenditures associated with installing a ground source system as a tax credit that can be taken on federal income tax liability. The tax credit decreases to 26 percent in 2020 and 22p percent in 2021 and expires at the end of 2021. Customers may also receive up to \$3,300 from the EnergyWiseSM High Efficiency Heat Pump program (link: <https://www.nppd.com/incentives/high-efficiency-heat-pump>). Finally, your local utility may offer additional incentives to reduce your cost recovery from savings even more quickly. That's why it's a great time to consider ground-source heat pumps.

Your local utility wants to help you make the most of your energy dollars by reducing cooling costs. For more ideas on how you can make your home or business EnergyWiseSM, along with possible energy efficiency financial incentives, contact your local utility.



Inside this issue:

<i>Energywise Tip</i>	1
<i>Department News</i>	2
◆ <i>Library</i>	
◆ <i>Grass Clippings</i>	
◆ <i>Green Notes</i>	

CITY COUNCIL MEETINGS

June 4th
June 18th

CITY HALL OFFICE HOURS

City Hall office
Hours are:
7:30 a.m.
until 4:30 p.m.

CITY SIREN SIGNALS

Fire Alarm Siren: This is a high/low tone and will operate in daytime hours

Tornado Siren: This will be a single high tone siren for 3 minutes.

**Tornado Shelter
City Auditorium at
3rd & Pearl Street**

Department News ~

Wayne Public Library ~



We are looking forward to an out of this world summer reading experience right here in Wayne! The Summer Reading Program meets Tuesdays, Wednesdays and Thursdays, depending on your grade. Children and teens can come in and register any time and pick up reading logs. T-shirts are available for purchase; see styles at the circulation desk.

The Adult Summer Reading Program launches June 1st. Pick up your 'Boarding Pass to The Universe of Stories Launch! Each month will be a new challenge. Pick up the challenge sheets June 1st, July 1st, and August 1st. Each challenge completed will be an entry into the monthly drawings. We will draw at the end of each month for prize baskets worth more than \$60 each. The Adult Reading Program is a great way to explore new interests and get to know the library collection outside of your usual check-outs. You will be encouraged to try new genres and media formats. It's also a great way for adults to set a good example for children's and teens. Invite your friends to get a library card this summer and participate with us and you could win some great prizes!

June 1st — Don't forget to pick up a copy of the June Book Club Book of the Month - "The Zoo

Keeper's Wife," by Diane Ackerman. When Germany invaded Poland, Stuka bombers devastated Warsaw—and the city's zoo along with it. Ackerman engages us viscerally in the lives of the zoo animals, their keepers, and their hidden visitors. The discussion will be held **June 25th at 6:30 p.m.**

Friday's - 3:00 p.m. Game and Puzzle Day each Friday. Come and join in the fun! Snacks provided!

Enjoy an evening of relaxing at Adult Coloring Night on **Tuesday, June 11th from 6:00 p.m. to 7:30 p.m.** at the library. All coloring pages, crayons, markers and pens, plus a light snack, will be available at this FREE event sponsored by Pac-N-Save. Coloring Nights are open to men and women, high school grads and older. Coloring benefits people by lowering stress & anxiety levels, helping a person focus on the present to achieve mindfulness, and giving the brain relief by entering a meditative state. So join us to give it a try.

Tuesday, June 18th—6 p.m. Craft Night for anyone 9th grade through adult. Americana/Patriotic Themed décor will be created.

Registration and material fee is required by July 14th.

MOVIE Day—Join us in the Children's Room for the Lego Movie, The 2nd Part Friday, **June 21st at 1:00 p.m.** Fun and popcorn, free!

The Needle Night group continues to meet. This is a very informal group and isn't limited to knitting. "We welcome anyone who crochets, weaves, etc., and set aside every Thursday from 6-8 p.m. for needlework with all who shows up."

And just a reminder, with summer comes the change of our hours. We will not be open on Sundays until after Labor Day.

Keep an eye out for a survey put together by the Community Needs Assessment Committee as a part of the library's State accreditation. Paper copies will be available to pick up at a few locations around town and an online version will be available as well. We appreciate everyone taking the time to share their input about Wayne!

WISE WORDS

"The challenge of leadership is to be strong, but not rude; be kind, but not weak; be bold, but not a bully; be thoughtful, but not lazy; be humble, but not timid; be proud, but not arrogant; and have humor, but without folly."

—Jim Rohn

TRANSFER STATION HOURS

Monday & Friday

9:00 a.m.—1:30 p.m.

Tuesday

11:00 a.m.—2:00 p.m.

Saturday

8:00 am.—Noon

Or by appointment
Tuesday, Wednesday
and Thursday

Grass Clippings ~

The Wayne Public Works Department wants to remind all residents that blowing lawn mower clippings into the street is prohibited and is a violation of City Code, Section 78-237. These grass clippings and other such debris left on the street will travel to the storm sewer inlet and can block them. The blocking of the inlets can cause local flooding from storm water accumulation.

Because the water from the storm sewers runs into Logan Creek, the grass clippings can negatively affect the creek with the chemical content in the grass from lawns that have been fertilized and treated with weed killer.

When mowing, please mow the first few rounds so that the grass blows in

towards the lawn and when finished, sweep up the grass that has been thrown into the street. We thank you for your cooperation during this mowing season.



Green Notes ~ Changes to Battery Recycling Program



The **Wayne Farmers Market** returns Wednesday, June 5th, on the grounds of the Wayne County Courthouse off of Lincoln Street (due to construction), offering fresh seasonal produce, eggs, baked goods, jams and jellies, live music and much more. Updates will be posted on the Wayne Farmers Market Facebook page.

Bring your reusable shopping bag to check out the Wayne Farmers Market this summer

Wednesdays 4-6 p.m. and Saturdays 9 a.m.-noon, thru mid-October.

For more tips on the Green Path to the Good Life, find the Wayne Green Team on Facebook and www.cityofwayne.org/greenteam.



The Fair Housing Act protects people from discrimination when they are renting, buying, or securing financing for any housing. The prohibitions specifically cover discrimination because of race, color, national origin, religion, sex, disability and the presence of children.

If you believe you may be a victim of housing discrimination, contact HUD 1-800-669-9777 or your local Fair Housing representative:

Wes Blecke

306 Pearl Street

Wayne NE 68787

(402) 375-1733

wblecke@cityofwayne.org

YOUR CHOICE. YOUR RIGHT. YOUR HOME.

