



The city is currently in the midst of constructing a shelter house, restrooms and a sidewalk at Homestead Park. In addition, the park also contains a playground, basketball court and a stone wall. This will be the seventh park within the City of Greendale.

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New City Park in the Works

Occupying the site where the former Homestead Public School once stood, Homestead Park is in the final stages of construction, readying itself to be the City of Greendale's seventh park. Since purchasing the school and the surrounding land a few years ago, the city has been hard at work making the once dilapidated school site into a new park for city residents to enjoy.

Since purchasing the land, the city tore down the school, but retained its historic cornerstone to use within the new park. There was already a smaller existing playground and basketball court on the land, but the city and its park board built brand new restrooms as well as an open-air shelter house in order to extend the park's features. The city and the park board also updated the cracked concrete slab that sat behind the former school and gave it new life as a decorative stone wall that contains the

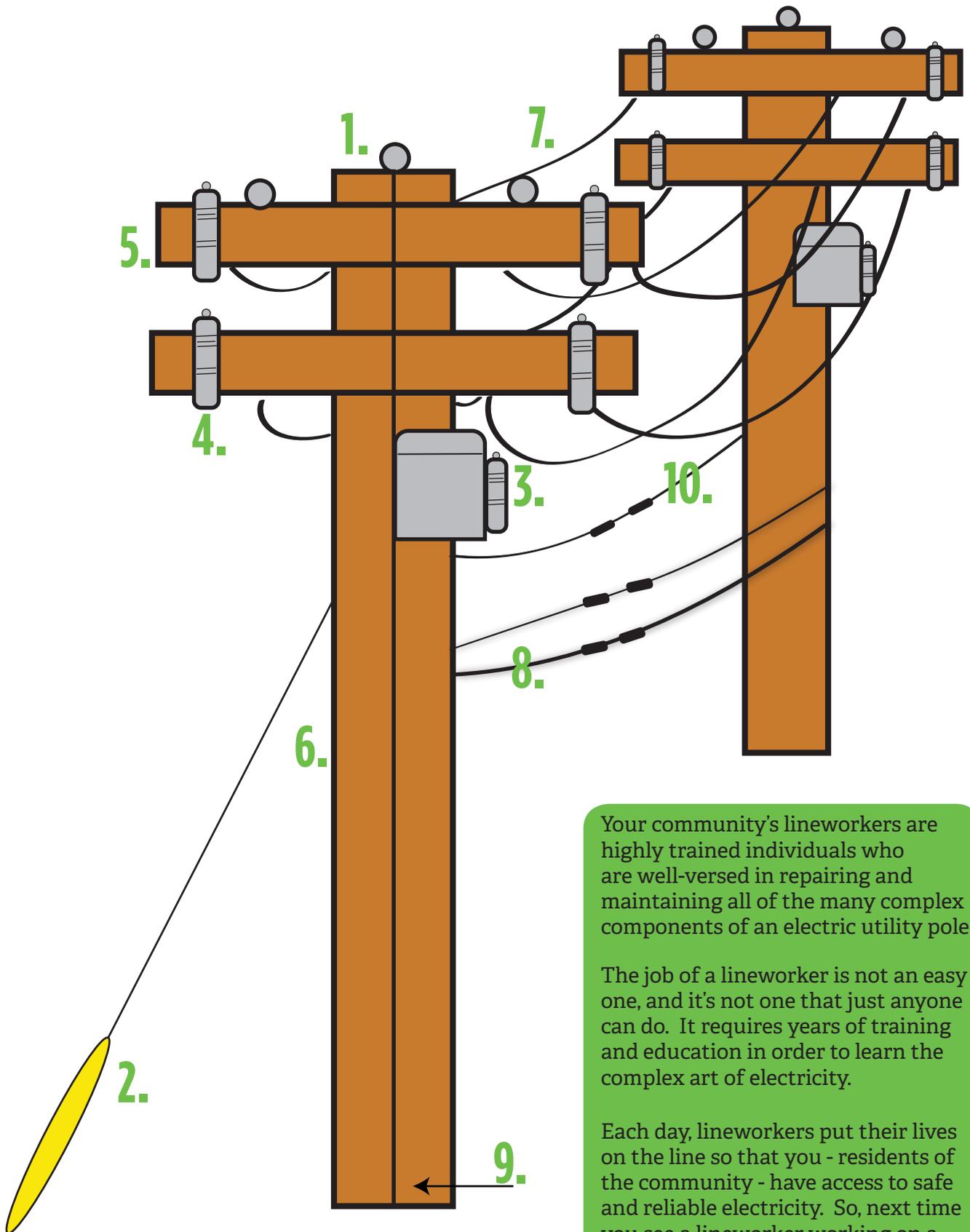
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Anatomy of an Electric Utility Pole

Utility poles are a common sight throughout the United States, as they are located adjacent to many roadways that are visible while driving. While you see these poles every day, have you ever thought about the function of the poles and the lines and attachments that hang onto them?

Utility poles play an important role in electrical distribution, which is a fancy term for how electricity travels to your home or business. All of the lines and attachments that sit on the utility pole play an essential role in this process. Read on to learn more about the different parts that make up your everyday electric power pole.

- 1. Insulator:** The insulator prevents wires from coming into contact with each other on the utility pole, which could cause fires, outages and other dangerous conditions.
- 2. Guy wire:** The guy wire is a tensioned wire that helps to stabilize the utility pole to the ground.
- 3. Transformer:** An electrical device, typically in a metallic enclosure, that converts high voltage electricity to a lower voltage for use in homes and businesses.
- 4. Fuse cutout:** A combination of a fuse and a switch, the fuse cutout is used to protect power lines and other equipment from surges or overloads by disconnecting the power line from a transformer.
- 5. Crossarm:** This horizontal piece of the utility pole is typically made of high-quality wood and holds power lines and other equipment, such as transformers, onto the pole.
- 6. Utility pole:** The utility pole is typically made of wood or steel, and can range in height from 30 feet to more than 100 feet. The pole serves as the backbone for the electric line and holds all of the components and equipment.
- 7. Primary wire:** These wires are on the very top of the utility pole, and usually carry high voltage electricity from a substation.
- 8. Lowest wires:** Utility poles don't just hold electric wires; other wires, such as telephone or cable wires, are also attached to these poles. Typically, these wires are found closest to the ground and are the lowest wire on the utility pole.
- 9. Ground wire:** This wire runs the entire length of the utility pole, directing any electricity on the pole safely into the ground.
- 10. Secondary wire:** Once the high voltage electricity has been converted to a lower voltage, the secondary wire carries that electricity to homes and businesses.



Your community's lineworkers are highly trained individuals who are well-versed in repairing and maintaining all of the many complex components of an electric utility pole.

The job of a lineworker is not an easy one, and it's not one that just anyone can do. It requires years of training and education in order to learn the complex art of electricity.

Each day, lineworkers put their lives on the line so that you - residents of the community - have access to safe and reliable electricity. So, next time you see a lineworker working on a utility pole, stop and thank them for their service to the community.

City Park

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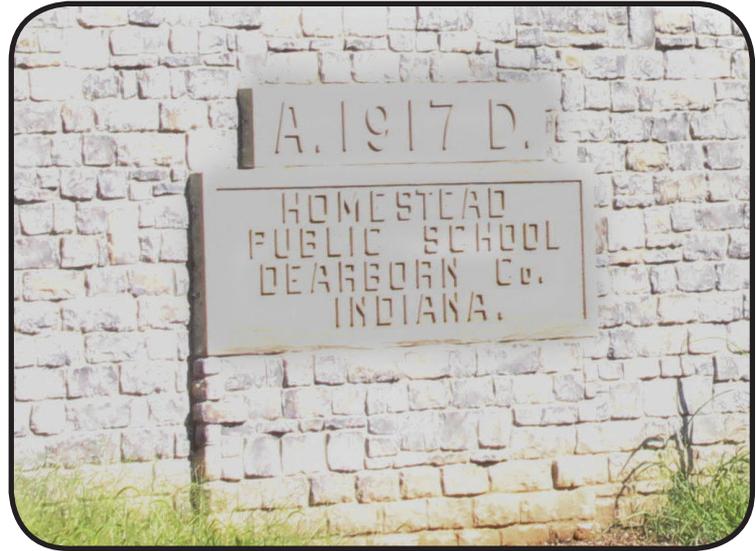
school's cornerstone. There are also plans in place to build a sidewalk that runs between the shelter house and the playground.

"Making this park a reality has truly been a joint effort between the city and the park board," stated Linda Cromer, President of Greendale's Park Board. "This is the only park in the neighborhood, and I think having it located here will really do wonders for the neighborhood and those that live nearby."

While construction on Homestead Park is still ongoing, Cromer hopes that it will be completed this fall. There will still be landscaping projects to finish after construction is complete, with plans to plant trees throughout the park's open space. A tentative ribbon cutting ceremony is also in the works.

Each year, the park board budgets for one major project, and 2016's major project was the update and construction of the Homestead Park. According to Cromer, the park board also continually updates the parks in order to keep them in as good of shape as possible.

In addition to Homestead Park, Greendale boasts six additional parks and a public swimming pool. "The parks are Greendale's crown jewel, and we are passionate about taking great care of them," said Cromer. ●



The city preserved the cornerstone from the former Homestead Public School, and made it a focal point in the new stone wall that sits behind the shelter house.



Eventually, a sidewalk will connect this playground with the shelter house and the restrooms.

Greendale Receives Grant for Street Improvements

At the beginning of 2016, the Indiana Department of Transportation (INDOT) introduced a new grant opportunity entitled Community Crossings, which provides matching grant funds to towns, cities and counties throughout the State of Indiana to help pay for road, bridge and sidewalk projects. The City of Greendale applied for these matching grant funds, and in August, INDOT awarded the community \$380,695 to help pay for improvement projects.

The city identified two roads in which to use these grant funds. The first road project consists of extending Urban Way, which is located near the McDonald's on U.S. 50, to connect to Minger Way, which will create a loop through the Greendale Industrial Park. The second project consists of milling and repaving Oberting Road from State Road 1 to U.S. 50. Work on both of these projects is expected to begin later this year, and once finished, will provide two much needed street improvements to the city.

Tidbits & Trivia

Question: Which type of wire on a utility pole carries the high voltage electricity from a substation?

- a) Secondary wire
- b) Primary wire
- c) Ground wire
- d) None of the above

Send your answer to the question to IMPA, and we will randomly select winners from all of the correct entries to receive an energy efficiency prize pack. Please send your name, e-mail address and address with your answer to:

newsletter@impa.com

OR

MPN Energy Efficiency Quiz
11610 North College Avenue
Carmel, IN 46032

The **Indiana Municipal Power Agency (IMPA)** is a not-for-profit organization that provides a low-cost reliable and environmentally-responsible power supply to its members.

IMPA member utilities purchase their power through IMPA and deliver that power to the residents and companies within the community.

Substation

noun.

A facility used for switching and/or changing or regulating the voltage of electric energy. A substation may tie generating stations to transmission systems or transmission systems to distribution systems.

IMPA Continues Building Solar Parks in Local Communities

Throughout the last two years, the Indiana Municipal Power Agency (IMPA) has constructed nine solar parks in large and small IMPA communities throughout Indiana. This year, the Agency is in the midst of constructing four additional solar parks in the communities of Anderson, Huntingburg, Waynetown and Washington. These solar parks are all aimed at adding more renewable and economical energy resources to IMPA's power portfolio.

When energy is created by the solar parks, it is then placed onto the local distribution system in whichever town or city the solar park is located in. As the solar power is produced, it becomes a part of all of the electric generation that is supplying the system, which is typically a mixture of power produced via coal, natural gas, solar, wind and nuclear.

The process of generating electricity from the sun may seem to be a complex one, but in reality, is really quite simple. When sunlight

hits the solar panels, the panels convert that energy into direct current electricity. That electricity is transferred to an inverter, located within the solar park. The inverter then takes the direct current electricity and converts it into alternating current (AC) electricity. Once converted to AC, the transformer steps-up the voltage to the proper level, and is then transferred to the interconnection point on the distribution system. The AC meter measures the energy from the solar park prior to its connection to the distribution system and ultimately the customer.

IMPA plans to add approximately 10 megawatts of solar capacity into its overall power portfolio each year, meaning more and more IMPA member communities will have solar parks within the coming years. For more information on IMPA's solar parks, visit www.impa.com.

How does solar generate electricity?



Cooking Corner

For a chance to be featured in the newsletter and win a prize, send your recipe to:

MPN Recipes
11610 N. College Ave.
Carmel, IN 46032

or
newsletter@impa.com

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Chicken and Dumpling Casserole

Recipe submitted by Vicky Hicks-Spear of Tell City, Indiana.

- 1 pound chicken breasts
- 2 cups chicken broth
- 1/4 cup butter
- 2 cups Bisquick
- 2 cups whole milk
- 1 can cream of chicken soup
- 3 tsp. chicken bouillon
- 1/2 tsp. sage
- 1 tsp. black pepper
- 1/2 stick butter

Preheat oven to 350 degrees. In a 9x13 baking pan, melt 1/2 stick butter. Shred chicken and spread over butter. Sprinkle black pepper and sage over the chicken. Do not stir. In a small bowl, mix milk and Bisquick. Slowly pour over chicken. In another medium bowl, whisk together 2 cups of chicken broth, chicken bouillon and soup. Once blended, slowly pour over the Bisquick layer. Bake casserole for 30 to 40 minutes, or until golden brown.

Strawberry Delight

Recipe submitted by Burdett Parsons of Washington, Indiana.

- 1 pre-made angel food cake
- 8 oz. cream cheese
- 16 oz. strawberry glaze
- 16 oz. tub whipped cream
- 1 ^{1/3} cup sugar
- 1 qt. fresh strawberries

Tear angel food cake into pieces and mix with 1/3 of the tub of whipped cream. Put whipped cream mixture into the bottom of a serving dish. Mix the rest of the whipped cream with the cream cheese and the sugar and place on top of the cake. Slice strawberries into quarters and mix with the strawberry glaze. Then, spread the strawberry mixture over the top of the cake.

The Municipal Power News is published by the
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Utilities.

IMPA Commissioner: Bob Hartman

Greendale Utilities Continues its Tree Trimming Efforts

In an effort to provide exceptional reliability, Greendale Utilities is continuing to trim trees throughout town that are near live power lines. The utility trims trees all year, but increases its efforts during the fall and winter months when leaves are off the trees and the branches are easier to trim back. By trimming trees, the utility is taking a proactive approach to decrease power outages and increase safety.

It's important to continually trim trees that are near power lines for a variety of reasons. When trees touch power lines, they can drain electricity off the electric system, resulting in voltage loss. Low voltage can damage motor-driven appliances such as refrigerators, washing machines and sensitive electronics like computers. Tree limbs touching power lines also put constant stress on live wires, and can cause branches to catch fire and fall to the ground, possibly catching the entire tree on fire. Finally, during storms, branches may fall onto the lines, which can tear down energized lines, transformers and poles. This can cause a prolonged power outage, and also poses a safety concern.

Because Greendale Utilities is committed to maintaining safe, reliable and affordable electricity for all of its customers, it is important for the utility to complete its tree trimming projects each year. If you have questions about tree trimming, please contact the utility office at 812-537-2125. ●