

MUNICIPAL POWER NEWS

Town of Veedersburg



IMPA
INDIANA MUNICIPAL POWER AGENCY

Volume 22, Issue 2 | Summer 2016



Veedersburg Electric department employees, pictured left to right: Wayne Wezel, Justin Williams, Jevin Gooch and Jeff Lowe. These four men are responsible for all maintenance of electric infrastructure.

The Anatomy of a
Utility Pole

Page 2

New Town Manager
in Veedersburg

Page 4

IMPA Solar Park
Update

Page 6

Veedersburg Utilities Continues With Updates

The summer months are always busy ones within a utility. Warmer weather means more opportunities to complete outdoor maintenance and infrastructure projects, all aimed at increasing the safety and reliability of utility services. Most recently, the Veedersburg Electric Department changed out several transformers near the Lion Manor Apartments on North Mill Street, aimed at ensuring that the residents in the surrounding area have access to reliable electricity.

A transformer is an essential electrical device that is typically found hanging on a utility

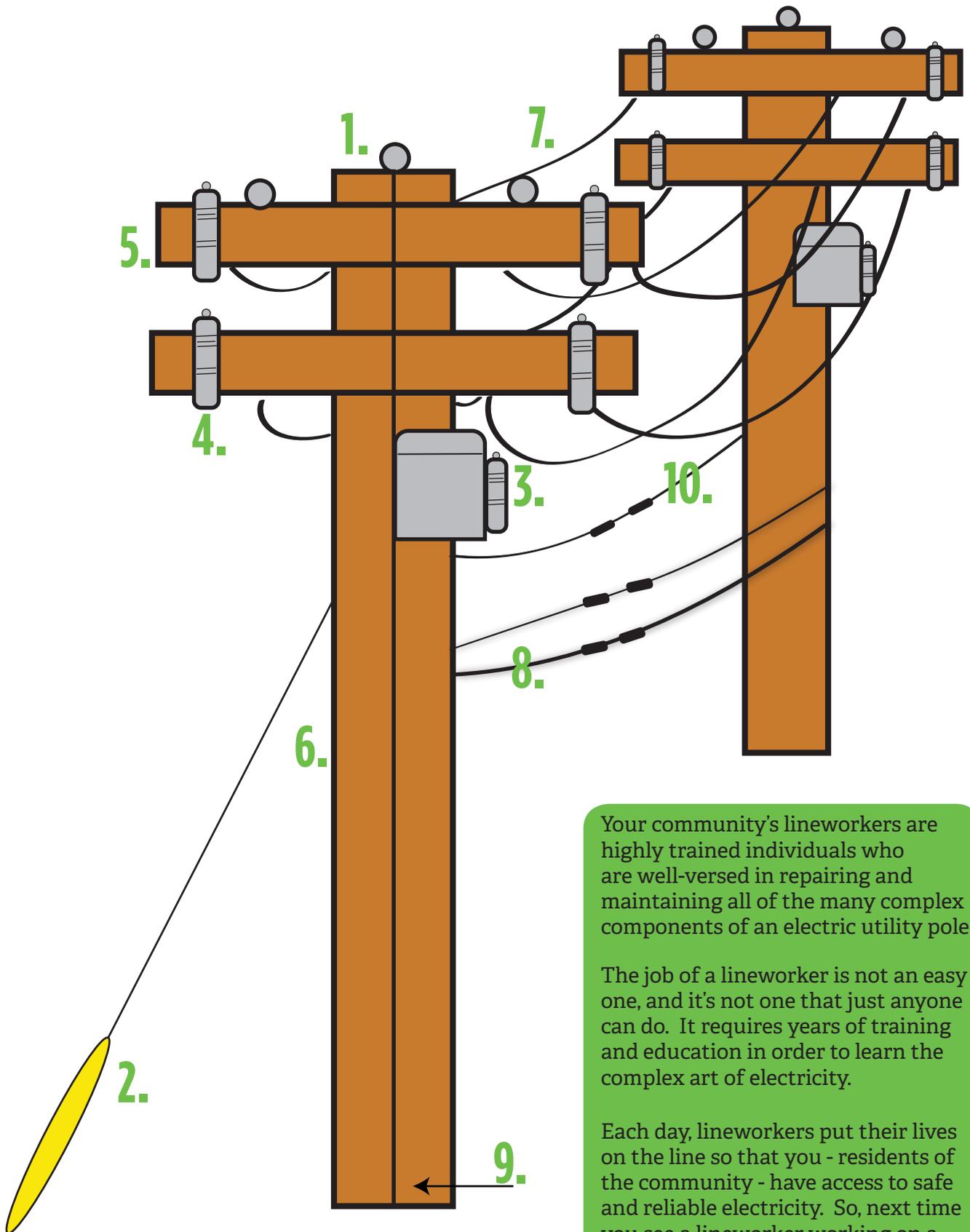
-continued on page 8

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.

Veedersburg Welcomes New Town Manager

On February 18, 2016, the Town of Veedersburg welcomed Dirk Garriott to his new position as Town Manager. In this role, Garriott is responsible for the general management of the town and its utilities, which include water, wastewater, electric and streets. He also manages all town employees, ensuring that all departments within the town are operating efficiently and accurately.

Before coming to Veedersburg, Garriott served as the Assistant Superintendent of Utilities for the Town of Oxford, Indiana. In this role, he was responsible for managing and maintaining the water and wastewater utilities as well as overseeing the street departments and the public parks. While in Oxford, he specialized in water treatment and quality control over the local utility.

“So far, I’ve really enjoyed the new role and responsibilities as Town Manager of Veedersburg,” stated Garriott. “All of the town’s departments are committed to getting the necessary work done, and I enjoy working with everyone. We’ve already made a lot of improvements and I’m looking forward to the future.”



Garriott is a graduate of Wabash College in Crawfordsville, Indiana, and also holds both a water and wastewater operating license. The Town of Veedersburg welcomes Garriott and wishes him luck in his new role as Town Manager!•

Veedersburg Revitalization Association Receives Downtown Enhancement Grant

Announced in April 2016, the Indiana Office of Community and Rural Affairs (OCRA) awarded the Veedersburg Revitalization Association a \$10,000 downtown enhancement grant. This grant is in response to the town’s plans to build a small, pocket park in the area where the former Lockey’s Grocery Store once stood. The town demolished the building, located at 110 and 112 East 2nd Street, in the summer of 2016 due to unsafe conditions.

Once it was determined that the building needed to be demolished, the town and its revitalization association began brainstorming different ideas to decide what should go into this empty space. It was determined that a downtown greenspace would be the best use of this area, so the town and the association began seeking grant funds.

This \$10,000 grant will help to pay for all aspects of the park design, which was created by high school engineering students from Fountain Central High School. The design plans includes benches, picnic tables, landscaping, a pergola, a large bulletin board and street lighting. The students also determined that the bricks from the demolished building would be saved to make a decorative wall, also located within the pocket park. The town expects that the pocket park will be completed before the end of the year. Once finished, residents of Veedersburg will have another outdoor space to enjoy. •

Celebrate Indiana's Bicentennial!

In an effort to celebrate Indiana's Bicentennial all year long, IMPA is bringing readers of the *Municipal Power News* fun facts about Indiana history. Read on to learn more about the Hoosier state.

Indiana's state motto, "Crossroads of America," has been in existence since the early 1800s when river traffic along the Ohio River was a major mode of transportation. Today, more interstates and highways intersect Indiana than any other state.

Southern and central Indiana contain an abundance of limestone, which has been used in the construction of famous buildings such as the Pentagon and the Empire State Building.



Indiana's state flag was adopted in 1917 and was designed by Paul Hadley as part of a contest celebrating the state's 100th birthday.

Source: Indiana Department of Education

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 from 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

The **MUNICIPAL POWER NEWS** is a periodic publication of the Indiana Municipal Power Agency and the 60 communities that it serves with wholesale power.

Editor: Niki Dick
Manager of Marketing Communications
niki@impa.com

Correspondent:
Meredith Sauter
Communications Specialist
meredith@impa.com

Send submissions and comments to:
11610 N. College Ave.
Carmel, IN 46032 or
newsletter@impa.com.

IMPA
Members

Advance	Columbia City	Greendale	Middletown	South Whitley
Anderson	Covington	Greenfield	Montezuma	Spiceland
Argos	Crawfordsville	Huntingburg	New Ross	Straughn
Bainbridge	Darlington	Jamestown	Paoli	Tell City
Bargersville	Dublin	Jasper	Pendleton	Thorntown
Blanchester, OH	Dunreith	Kingsford Heights	Peru	Tipton
Bremen	Edinburgh	Knightstown	Pittsboro	Veedersburg
Brooklyn	Etna Green	Ladoga	Rensselaer	Walkerton
Brookston	Flora	Lawrenceburg	Richmond	Washington
Centerville	Frankfort	Lebanon	Rising Sun	Waynetown
Chalmers	Frankton	Lewisville	Rockville	Williamsport
Coatesville	Gas City	Linton	Scottsburg	Winamac

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 Indiana
Municipal Power Agency and the Town of Veedersburg.

IMPA Commissioner: Ken Smith

Veedersburg Utilities

-continued from page 1

pole, and serves to reduce the voltage of electricity before it travels into homes and businesses. When electricity is produced at a generating facility and travels along power lines, it is transmitted at a high voltage, and must be reduced to a lower voltage in order to provide power to homes and businesses. By replacing aging transformers, your local utility is ensuring that all utility customers have access to safe and reliable power.

In addition to the installation of new transformers, the water, wastewater and electric utilities have also all implemented geographic information system (GIS) software. GIS software utilizes GPS maps, and allows the utility to have a digital record of its entire infrastructure, which includes meters, utility poles, transformers and more. Utility employees are then able to access the entire system on computers or tablets, as opposed to having to use paper maps, which are bulky and difficult to update. Problems within the system are also detected in a much faster manner, and problems are sometimes able to be solved before they become large issues.

Veedersburg Utilities is committed to providing safe, reliable and affordable electricity, water and wastewater services. Services such as transformer installations and GIS software ensure that the town's utility infrastructure is stable and able to handle the needs of the community.

None of these updates would be possible without the help, hard work and assistance from the four Veedersburg Electric Department staff members. The staff consist of Wayne Wezel, Electric Superintendent; Justin Williams, Apprentice Lineman; Jevin Gooch, Apprentice Lineman and Jeff Lowe-Assistant Superintendent. All four men work diligently to keep Veedersburg's electric system in prime condition, ensuring that all community residents have access to reliable electricity. ●