

MUNICIPAL POWER NEWS

Town of Winamac



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Winamac Power & Light purchased a new bucket truck as well as a new pickup truck to help aid in daily operations. Winamac Power & Light consists of four employees: Tim Fox (left), Steve Burton (middle), Jake Berger (right) and Doug Shorter (not pictured).

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Winamac Power & Light Purchases New Equipment

After years of using older equipment, Winamac Power & Light recently purchased a new bucket truck and a new pickup truck, which will be used to help complete maintenance tasks throughout town. The new bucket truck, which is replacing an aging one, can reach 60 feet into the air, making it perfect to use for projects that deal with high power lines or tree trimming. The utility's other bucket truck only reaches 35 feet in the air, so this new truck will provide access to previously unreachable tasks.

The new pickup truck will serve as the utility's main vehicle, transporting staff from project to project across town. "We use both the bucket truck and the pickup truck every day, so having

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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.

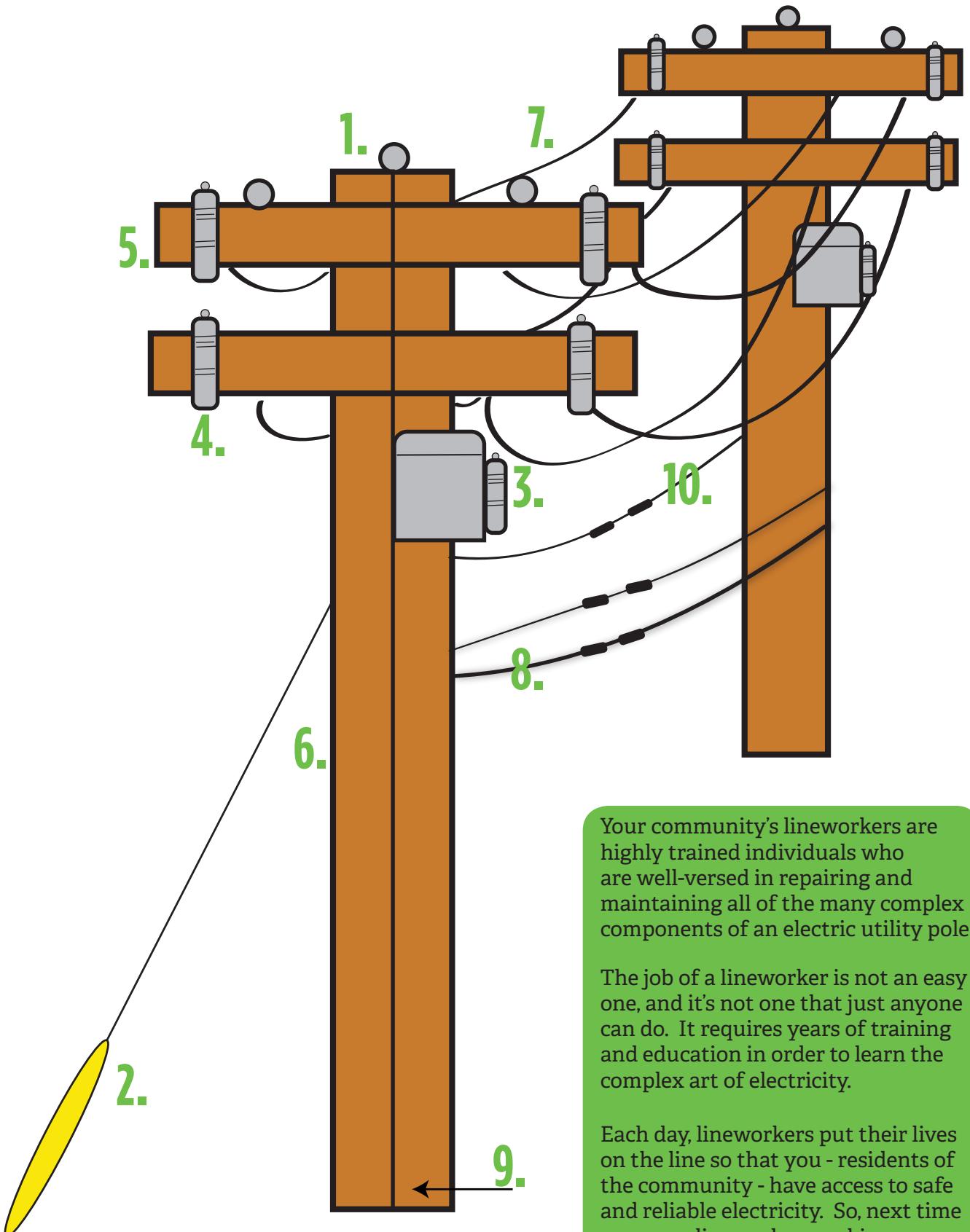
6. Utility pole: The utility pole is typically made of wood or steel, and can range in height from 30 feet to more than 100 feet. The pole serves as the backbone for the electric line and holds all of the components and equipment.

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.

Equipment

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new vehicles that run properly will really be a big benefit," said Steve Burton, Lineworker for Winamac Power & Light.

Winamac Power & Light consists of four employees who are responsible for maintaining the town's electrical infrastructure. Doug Shorter, Superintendent of the department, has worked for the town since 1996. The other three employees - Jake Berger, Steve Burton and Tim Fox - are all lineworkers for the utility. Berger and Burton have worked for the town since 2014, and Fox has been a lineworker for the town since 2009.

The Town of Winamac appreciates its electric department employees and the role that they play in ensuring that the community has access to reliable, affordable and safe electricity. ●



Winamac Power & Light purchased a pickup truck to assist in daily operations.

Winamac Utilities Employees Learn New Tasks

After taking over the reins as Town Manager in early 2015, Brad Zellers began implementing new processes and procedures, all aimed at increasing efficiency within town departments. Most recently, Zellers instituted a cross-training policy, where all utility employees in each department, which includes water, wastewater, electric and streets, learn more about the work of the other departments.

While the main focus has been cross-training throughout the water and wastewater departments, Zellers said it's his goal to ensure that all his utility employees have a better understanding of the roles that each employee plays. Because the water and wastewater departments share similar tasks, it's been easiest to start this training in those two departments, but the cross-training will definitely continue within the streets and electric departments as well.

"We really have the best employees," stated Zellers. "They all get along really well, and by cross-training them, we have brought them together even more and really helped them appreciate each other and the work that each employee does on a daily basis."

Zellers knows that there are certain tasks, especially in the electric department, that untrained individuals should not complete, such as working on live power lines. Despite that, he says there are still tasks that those in the water, wastewater and street department can learn about the electric department, and can assist when needed.

"It's all about creating greater efficiency and implementing a better understanding of job duties," continued Zellers. "Now, our employees can assist as needed across any department." The Town of Winamac employs four individuals in the electric department, three in the wastewater department and four within the water and street department. ●

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.

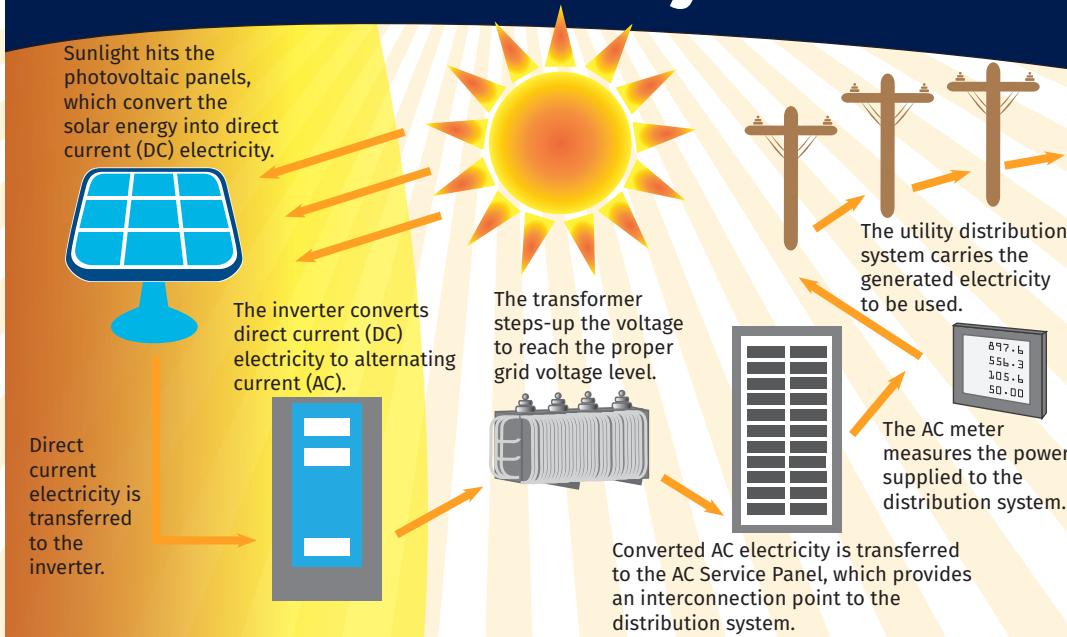
When energy is created by the solar parks, it is then placed onto the local distribution system in whichever town or city the solar park is located in. As the solar power is produced, it becomes a part of all of the electric generation that is supplying the system, which is typically a mixture of power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

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Chicken and Dumpling Casserole

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

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

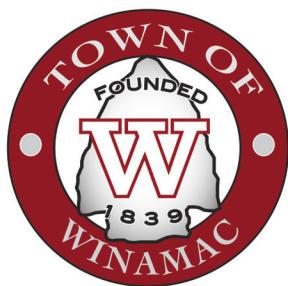
Strawberry Delight

Recipe submitted by Burdett Parsons of Washington, Indiana.

-1 pre-made angel food cake	-16 oz. tub whipped cream
-8 oz. cream cheese	-1 1/3 cup sugar
-16 oz. strawberry glaze	-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.

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



The Municipal Power News is published by the Indiana Municipal Power Agency and the Town of Winamac.

[IMPA Commissioner: Brad Zellers](#)

Town Remembers Council President

Following his passing on June 25, 2016, the Town of Winamac and its residents mourn the loss of former Town Council President, Ken McFarland. McFarland was a community leader, serving in several leadership and community roles throughout his life. McFarland was a town employee for 28 years, working as a lineworker within the electrical department, and then serving as the Winamac Town Manager for 10 years. After retiring as Town Manager, McFarland became a member of the Town Council from 2000-2006, and then again in 2015 when he took on the role as Town Council president.

"He was a really involved and respected member of the Winamac community," stated Brad Zellers, Winamac's Town Manager. "He was a thoughtful decision maker and really had the town's best interests at heart."

The town mourns the loss of this community leader, and appreciates his service to the Town of Winamac.●

