

MUNICIPAL POWER NEWS

Town of Coatesville



IMPA
INDIANA MUNICIPAL POWER AGENCY

Volume 22, Issue 2 | Summer 2016



The Coatesville Town Council recently passed a net metering ordinance, aimed at helping those who may be interested in installing alternative sources of energy, such as rooftop solar panels.

Anatomy of a Utility Pole
Page 2

Community Spotlight on Local Businesses
Page 4

IMPA Solar Parks Update
Page 6

Net Metering Ordinance Passed

Across the country and here in Indiana, there is a growing interest in using rooftop solar panels and other small-scale, on-site power sources known as distributed generation. Town officials in Coatesville are taking a proactive approach and planning for the future by adopting a net metering ordinance.

Net metering is a billing arrangement between an electric utility, such as Coatesville Power & Light, and its customers. If customers are producing their own electricity at less than 10 kilowatts and through renewable energy sources such as solar or wind, customers receive a kilowatt-hour (kWh) credit on the next month's electric bill for any net electricity produced that flows back onto the utility's

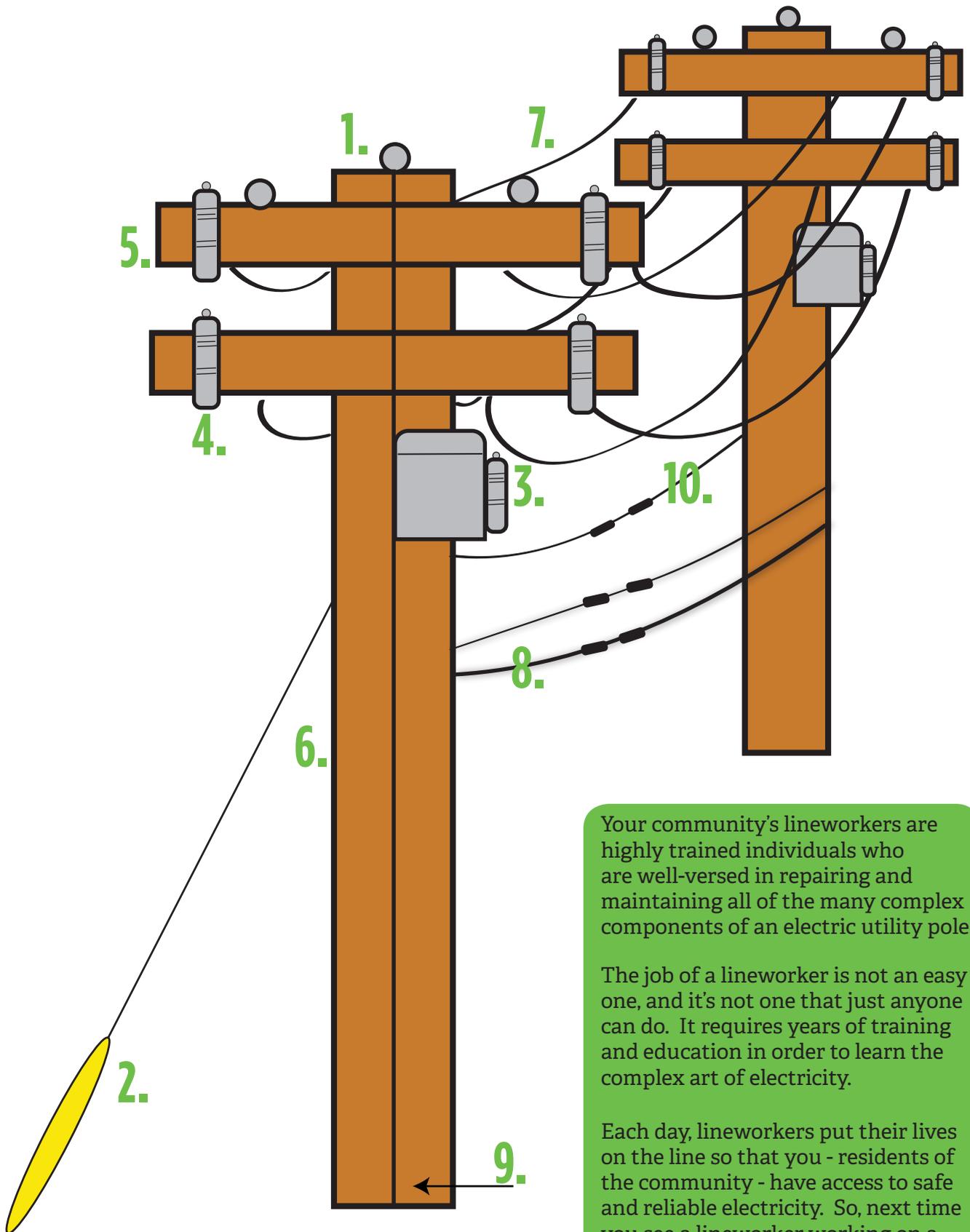
-continued on page 5

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.

Community Spotlight on Local Businesses

The Town of Coatesville may be a small town, but for its size, the community boasts an impressive array of small businesses. The town is proud of all of its local businesses, and always encourages residents to shop local whenever possible.

One such small business is the Hairhut and Boutique, located at 5005 S. Milton Street. The Hairhut and Boutique is a recently remodeled full-service salon, which is owned and operated by Deborah and Marissa Blair. They have been in business at this location since 2008, and the new remodel truly blends the old with the new.

The salon specializes in men's, women's and children's haircuts as well as perms, color, highlights, waxing, manicures and pedicures. The salon also has experience working with bridal parties as well as make-up application. Most recently, the Hairhut hired its newest professional stylist, Kelsey Dyer, who is currently accepting new clients.

The boutique also offers a selection of candles, jewelry and other small gifts. Appointments are available Tuesday through Saturday, and walk-ins are also welcome. For more information about appointments and services, call (765) 386-2222 or visit www.facebook.com/hairhutandboutique.

Another local Coatesville business is Enchanted Journey, which is located at 8022 Main Street in downtown Coatesville. This unique business specializes in stained glass and handmade jewelry, but also boasts a variety of other unique, artisan gifts for people of all ages. Owner Lorri Knapp opened the business in 2014, and since then, has made it a go-to shop in the region for unique gifts that can't be found elsewhere. New for this summer, Enchanted Journey is offering hand dipped ice cream cones and sundaes in a variety of flavors, which will satisfy the sweet tooth of visitors to her store. Store hours are Thursdays, 12:00 to 5:00 p.m., Friday from 11:00 a.m. to 6:00 p.m. and Saturdays from 10:00 a.m. to 3:00 p.m. For more information, stop in or call (765) 209-1663.



Hairhut owners Deborah and Marissa Blair and stylist Kelsey Dyer specialize in haircuts as well as perms, color, highlights, waxing, manicures and pedicures.



Lorri Knapp owns and operates Enchanted Journey, a store specializing in stained glass and handmade jewelry. The store recently started offering ice cream for its customers.

Net Metering

-continued from page 1

distribution system.

Steve Wingler, Coatesville Town Council Member, explained that the main goal of passing this ordinance was safety. “When you start hooking up alternative sources of energy, someone could get hurt,” stated Wingler. “This ordinance provides written instructions on alternative energy and ensures safe and reliable interconnections for Coatesville residents.”

For more information on Coatesville’s net metering ordinance, call Town Hall at 765-386-205.●



This new ordinance aims to protect those interested in installing rooftop solar or other types of alternative energy.

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 Coatesville.

IMPA Commissioner: Steve Wingler

Save Energy This Fall!

As the summer months wrap up and temperatures begin to cool, take action to ensure that your house and habits are as energy efficient as possible. Read on for helpful tips to save money this fall:

- Schedule regular maintenance for your heating system.
- Take shorter showers. This can save hundreds of gallons of hot water and also reduce water heating costs.
- Replace the air filter in a furnace on a monthly basis. A dirty air filter makes the heating and cooling system work harder, causing wear and tear on the equipment.
- Turn off kitchen and bath ventilation fans after use. If left on, the fans can blow the warm air from inside your home to the outside.

The best way to reduce your electric bill is to do everything you can to make your home more energy efficient. ●