

MUNICIPAL POWER NEWS

Tell City Electric
Department



IMPA
INDIANA MUNICIPAL POWER AGENCY

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These four lineworkers, along with the rest of the Tell City Electric Department, work hard to ensure that the city has access to reliable electricity. Pictured left to right: Lineworkers Brad Pruitt, Gary Henrickson, Brian Kleeman and Foreman Bob Damin.

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Tell City Electric Department Salutes its Lineworkers, Meter Personnel

The Tell City Electric Department (TCED) has been a community staple since its founding in 1941. The utility provides a wide range of services that benefit the residents and businesses within the community of Tell City, all of which are aimed at providing reliable electricity. Line and meter personnel employed by TCED complete a variety of electric system maintenance and repair projects, including trimming trees away from power lines, repairing utility poles, restoring power during an outage, and much, much more. Because they work with electricity, these individuals put their lives on

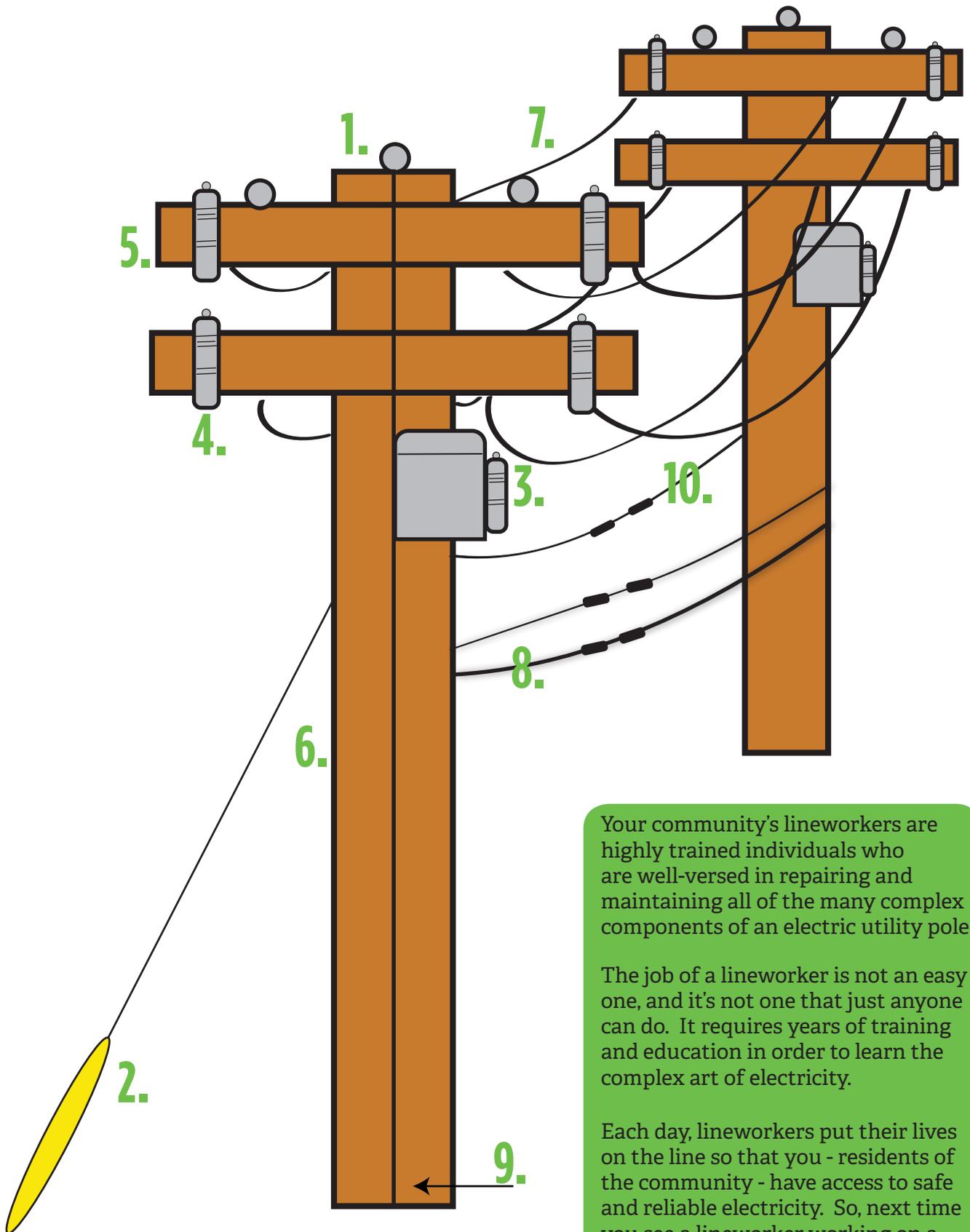
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Anatomy of an Electric Utility Pole

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.

Electric Department

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the line each day when they come into work, all to ensure that Tell City residents and businesses have the electricity that they need. Without the dedication and hard work from all of the line and meter personnel within the electric utility, residents would not have access to the reliable electricity that they have come to expect.

The TCED and the City of Tell City greatly appreciate their employees and would like to recognize the individuals who serve on the front lines of electricity distribution each and every day:

Meter Personnel



■ Bill Patmore - 37 years of service

■ Charles Early, Jr. - 18 years of service

Lineworkers

■ Jim Applegate - 4 years of service

■ Bob Damin, Foreman - 33 years of service

■ Gary Henrickson - 20 years of service

■ Brian Kleeman - 8 years of service

■ Josh Knepper - 3 years of service

■ Brad Pruitt - 17 years of service

■ Brandon Tabor - hired in September 2016

Through the hard work of these individuals, many of whom have devoted much of their career to the profession, Tell City has access to affordable and reliable electricity. If you happen to see any of these individuals out working, stop and thank them for their dedication, passion and hard work.●

Tell City Electric Department Continues its Tree Trimming Efforts

In an effort to provide exceptional reliability, the Tell City Electric Department (TCED) 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.

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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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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.

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IMPA Commissioner: Dennis Dixon

Tree Trimming

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“We have had several severe storms roll through this summer, but we’ve not experienced many power outages,” stated Dennis Dixon, Superintendent of TCED. “That is a big credit to Bob Damin and his team for their proactive approach to tree trimming.”

Because the TCED 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 electric department at 812-547-3411. ●

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**-Dennis Dixon, Superintendent
of Tell City Electric Department**