

# MUNICIPAL POWER NEWS

Town of Dunreith



**IMPA**  
INDIANA MUNICIPAL POWER AGENCY

Volume 22, Issue 2 | Fall 2016



**IMPA**  
SERVICE CORP

The IMPA Service Corp replaced two Dunreith utility poles in an effort to increase electric reliability and safety.

The Anatomy of a  
Utility Pole  
Page 2

Dunreith Receives  
Historic Train Sign  
Page 4

IMPA Solar Park  
Update  
Page 6

## Strong Partnership Between Dunreith and IMPA Continues

**S**ince 2006, the Town of Dunreith has been a member of the Indiana Municipal Power Agency (IMPA), a wholesale electric provider that supplies power to 59 communities in Indiana. As Dunreith's wholesale power provider, IMPA meets Dunreith's electric needs through a combination of power generated by plants in which the Agency has ownership interests, and also through long-term power contracts and market purchases. In addition to selling power to Dunreith, IMPA also assists the community in a variety of other ways.

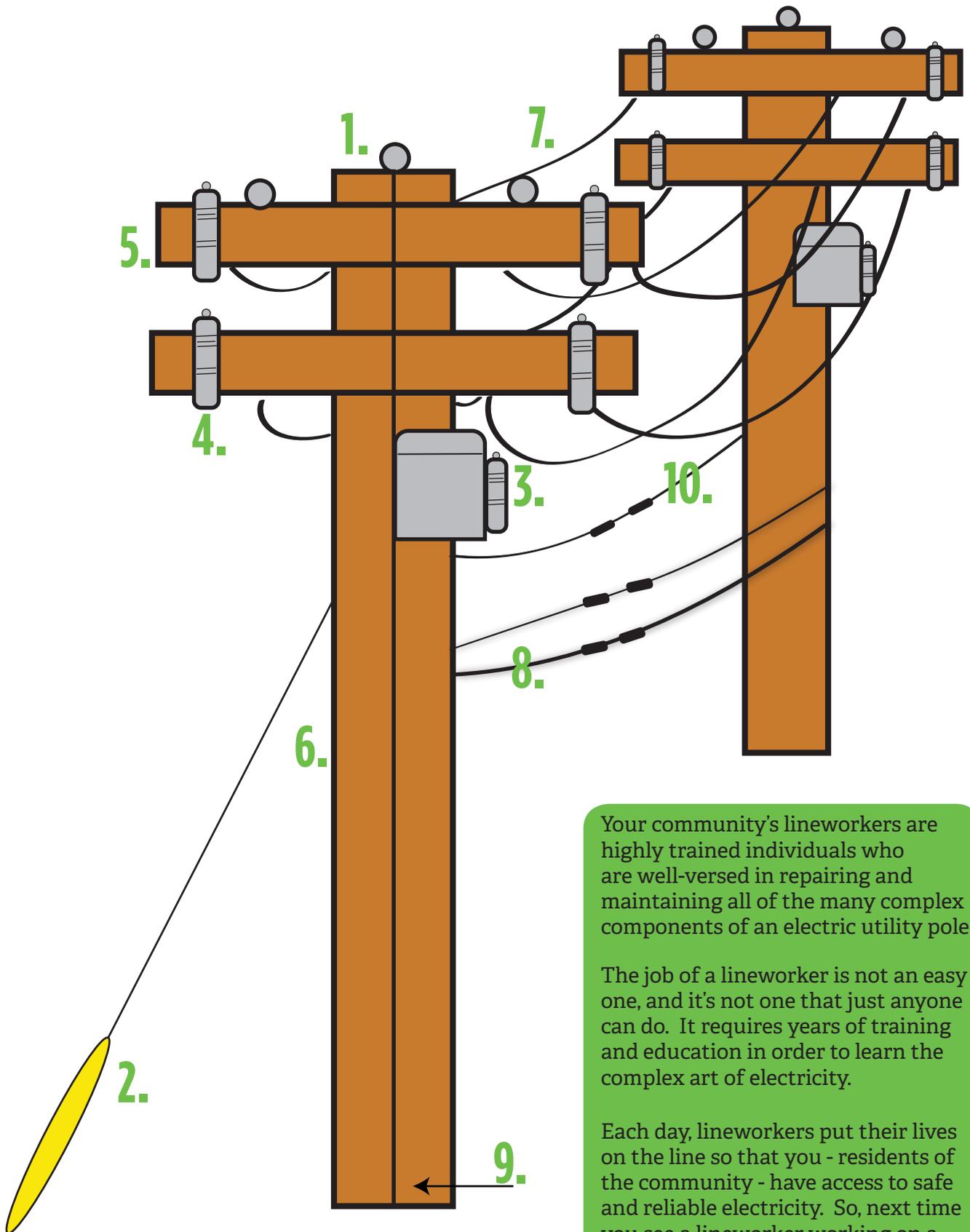
-continued on page 5

# 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.

# Town Receives Historic Train Sign

When David Dudley, Dunreith Fire Chief and Council Member, received a phone call from an individual in Lafayette stating that he had found an old Dunreith train station sign in his attic, Dudley was surprised – and excited. “This phone call took me completely by surprise,” said Dudley. “It was one of those out of the blue things that you never expect.”

The man in Lafayette said he had just purchased a house and was going through the attic when he found the sign. He hadn’t heard of Dunreith before seeing the sign, but after doing some research on the internet, he found the small east central Indiana community and Dudley’s contact information.

“He said that he found me on the internet,” laughed Dudley. “Then he said that he was interested in donating the sign back to the town. He didn’t have any use for it, and figured that we might be interested in having this piece of history back in Dunreith.”

While Dudley is not sure of the sign’s history, he said he has contacted the Henry County Historical Society, and hopes that they may be able to help identify the time period of the sign and where it once hung. For now, the sign is hanging up at the Dunreith Community Center for the town’s residents to enjoy. Dudley said that the Council is planning to design a commemorative plaque once more information about the train sign is known.●



---

## Dunreith Volunteer Fire Department Holds Successful Fundraiser

In an effort to raise money to purchase new equipment, the Dunreith Volunteer Fire Department hosted the 2<sup>nd</sup> annual Fire Run Ride on August 27, 2016. This annual motorcycle ride took place in Rush County, allowing participants to travel throughout the area, enjoying the county’s many covered bridges. Approximately 35 people participated in the fundraiser, raising around \$600 for the department. According to Fire Chief David Dudley, the department will use the money to purchase new personal protective equipment for its firefighters. After the motorcycle ride concluded, participants were invited back to the Dunreith Community Center to enjoy pulled pork sandwiches, entertainment and door prizes. The Dunreith Volunteer Fire Department thanks all of the individuals who participated in this annual event, and looks forward to next year!●

# Partnership

-continued from page 1

Recently, the Town has employed the assistance of the IMPA Service Corp, the engineering and operations subsidiary of IMPA, to complete a variety of projects that aid in improving the town's electrical system. By utilizing IMPA Service Corp's expertise, the town has had more control over the projects, which has allowed for the projects to be completed in a timely manner. Not only were they completed in a more efficient manner, but the town also paid a more reasonable rate than if a commercial contractor would have been used.

Recently, the IMPA Service Corp replaced two utility poles within the town limits. The two poles that were replaced were aging and showing signs of deterioration, making it necessary to replace the poles for safety and reliability reasons. In addition to replacing the poles, IMPA Service Corp also replaced the crossarms on the poles and added guy lines to ensure that both poles are secure and stable.

The Town of Dunreith is thankful for its longtime partnership with IMPA as well as with IMPA Service Corp. By working together, the town is able to provide low-cost and reliable electricity to all of its customers, now and well into the future.●

## 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 an economic, 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.

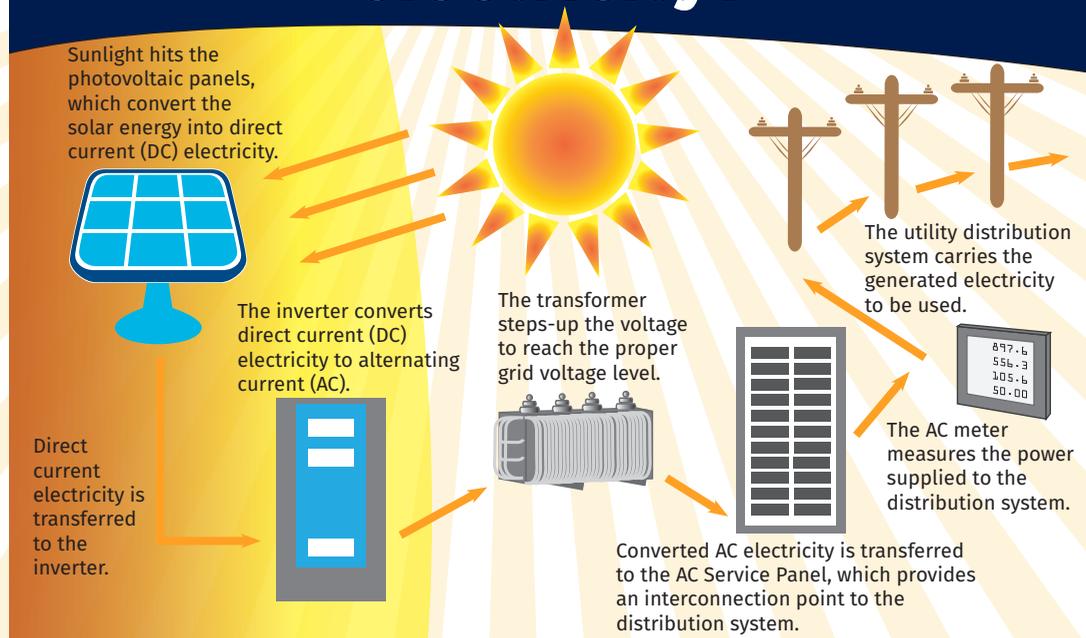
When energy is created by the solar parks, it is then placed onto the local distribution system in whichever town or city the solar park is located in. As the solar power is produced, it becomes a part of all of the electric generation that is supplying the system, which is typically a mixture of power 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](http://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](mailto: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](mailto:niki@impa.com)

**Correspondent:**  
Meredith Sauter  
Communications Specialist  
[meredith@impa.com](mailto:meredith@impa.com)

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

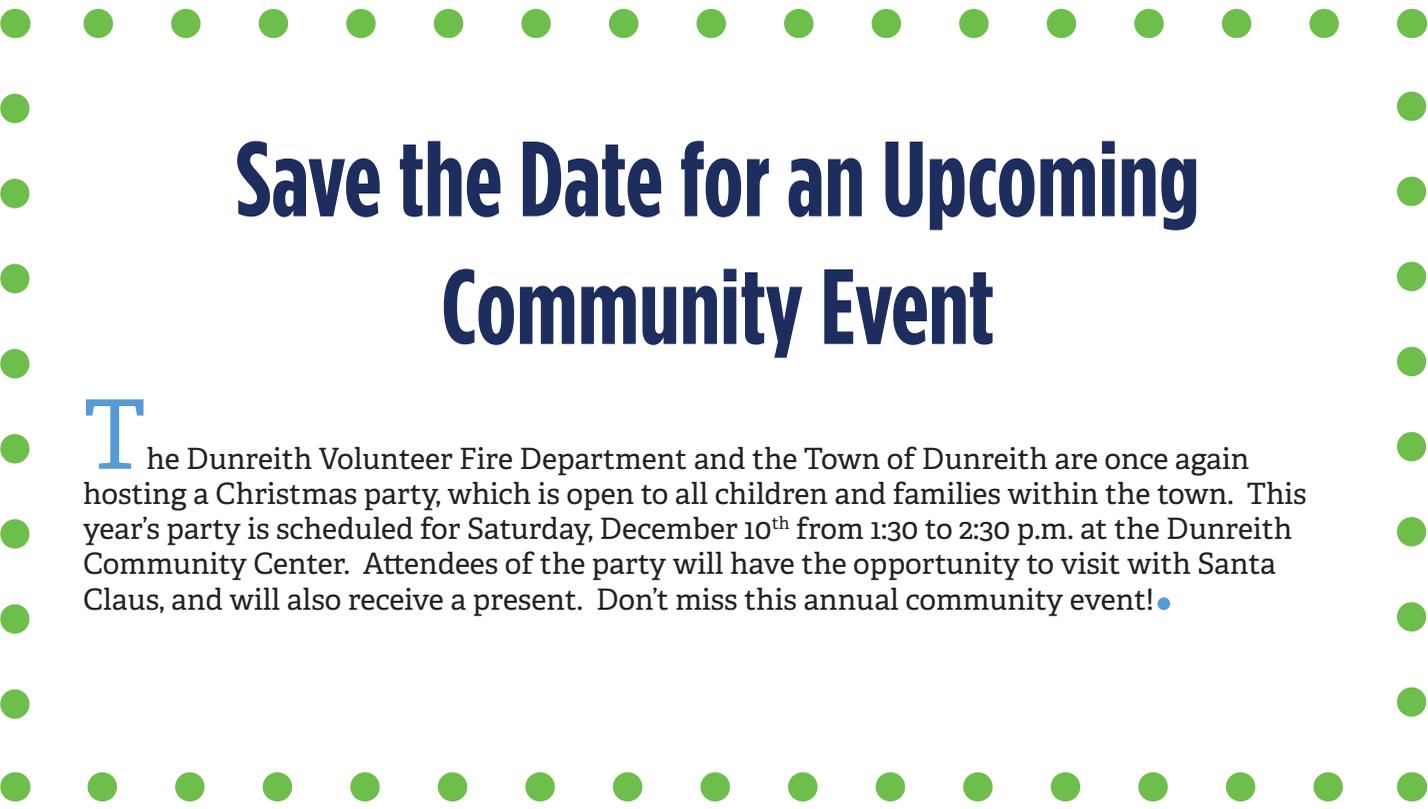
- 1 pre-made angel food cake
- 8 oz. cream cheese
- 16 oz. strawberry glaze
- 16 oz. tub whipped cream
- 1 <sup>1/3</sup> cup sugar
- 1 qt. fresh strawberries

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.

PRE-SORTED  
STANDARD  
U.S. Postage  
PAID  
Indianapolis, IN  
Permit # 9555

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

IMPA Commissioner: David Dudley



## Save the Date for an Upcoming Community Event

**T**he Dunreith Volunteer Fire Department and the Town of Dunreith are once again hosting a Christmas party, which is open to all children and families within the town. This year's party is scheduled for Saturday, December 10<sup>th</sup> from 1:30 to 2:30 p.m. at the Dunreith Community Center. Attendees of the party will have the opportunity to visit with Santa Claus, and will also receive a present. Don't miss this annual community event!•