

Michigan

COUNTRY LINES

A diver in a blue wetsuit and mask is swimming over a large, rusted metal structure covered in brown seaweed. The scene is underwater with blue water and sunlight filtering through.

Visit Michigan's Underwater Shipwrecks

(For divers & landlubbers, too!)

YOUR CO-OP'S
**ANNUAL
REPORT** INSIDE

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The West Michigan Underwater Preserve is our state's newest shipwreck preserve, and one of 14 on lakes Michigan, Huron and Superior. These underwater museums offer opportunities for both divers and nondivers to view them, and they can be part of a fun family vacation destination to local communities.

Photo – Paul Chase

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Association officers are **Ken Swope**, Midwest Energy, chairman; **Robert Schallip**, Cloverland, 1st vice chairman; **Jon Zickert**, Cherryland, 2nd vice chairman; **Eric Baker**, Wolverine Power, secretary-treasurer; and **Tony Anderson**, Cherryland, past chairman. **Craig Borr** is president and CEO.

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cloverland.com

Fair Is Fair

Your co-op completes cost-of-service study.

As children, we were quick to point out whenever someone else's share of dessert was different than our own. We wanted and expected a fair share then—and still do. However, sometimes what is fair is not as obvious as that bigger piece of cake, and this is especially true of the electric industry.

Everyone should pay their share for electricity. A co-op member in one rate class should not pay more so that another member in a different rate class pays less. This is an example of one rate class subsidizing another, and it's an antiquated rate design we are moving away from.

Late last year, we chose The Prime Group LLC, a Kentucky-based independent utility consulting firm, to conduct a comprehensive cost-of-service study. This study analyzed our revenues, various rate classifications, and the costs to serve each. These costs were then spread across our various residential, commercial and industrial rate classes in an effort to have all rate classes paying their fair share and eliminate subsidies as they exist today. Subsidies between electric utility rate classes are a thing of the past. Today, utilities are moving toward cost-based rates where all consumers are paying their share of the costs.

Cloverland's costs consist of both fixed and variable components. Fixed costs include the poles, wires, transformers, vehicles and the personnel or infrastructure we need to ensure the delivery of safe and reliable electricity from the time it's generated to the time it arrives at your home or business. Generally, fixed costs are recovered through a monthly "facility charge." This charge represents the fixed costs associated with the delivery of comfort and convenience—electricity. It is not unlike the monthly charge we all pay for the convenience of having phone, cable or internet service. Some label it a "customer" charge, "availability" charge, or even a "service" charge, but the purpose is the same regardless of the label.

There is also the variable cost component, which includes the energy you use depending on the time of the year. Today, your energy

charge includes the cost of generating electricity and some of the fixed costs, too. In order to stay financially fit, we must recover the fixed costs and enough revenue to provide service regardless of the kilowatt-hours purchased by our members.

Our cost-of-service study revealed a higher facility charge is needed for this purpose. The fixed residential monthly charge under legacy Cloverland rates is \$9 per meter and \$3.40 under the legacy Edison Sault rates. The last time the Michigan Public Service Commission (MPSC) reviewed these rates at the utilities' request was in 2003 for Cloverland and 1982 for Edison Sault. Much has

changed since then and our rates need to better reflect the costs of providing service.

Since our acquisition of Edison Sault in 2010, we still have two different sets of rates and a multitude of rate classes. It has always been our intention to have one set of rates for the cooperative, but the challenge is how to get there. This study creates a road map for heading in that direction, and it's the first step in a very long process.

Before any rate changes can occur, the cost-of-service study must be accepted by Cloverland's Board of Directors and reviewed by the MPSC. We are busy analyzing it and will soon decide our next steps. Rest assured, members will have a chance to voice their opinion at an MPSC public hearing well in advance of any rate restructuring.

We will share more with you in future issues of this magazine and keep you informed as we continue towards a single set of cost-based rates for all Cloverland Electric members.



Daniel Dasho
President & Chief Executive Officer



Cloverland Electric Cooperative incumbent directors (L-R) Dale Carlson, District A; Robert Schallip, District B; and Peter Legault, District C, were re-elected.

Co-op Director Election Results

On June 12, the accounting firm of Bunker, Clark, Winnell and Nuorala, P.C., announced Cloverland Electric Cooperative's director election results at the annual meeting of the members. Voting took place by mail-in ballot, which concluded on May 31.

The board of directors is comprised of nine directors elected by and from the members of their respective districts to a three-year term of office. One seat is up for election in each district every year.

Incumbent director Dale Carlson of Stalwart ran unopposed and was re-elected in District A with 535 votes. District A is

also represented by Richard Newland and Gerald Nettleton, both of DeTour Village.

Robert Schallip Jr., of Neebish Island, was re-elected in District B with 773 votes. Carmine Bonacci Jr., of Sault Ste. Marie, received 506 votes. District B is also represented by Linda Hoath and Charles Litzner, both of Sault Ste. Marie.

In District C, Peter Legault of Engadine was re-elected with 582 votes. Robert Goldthorpe of McMillan received 362 votes, followed by Alfred LeMaire, of Newberry, with 101 votes. Ronald Provo and Virgil Monroe, both of Manistique, also represent the members of District C.

Herbicide Treatment Notice

After performing right-of-way maintenance, an environmentally-friendly herbicide is applied in these areas the following year. Trained and licensed contractors with Thunder Bay Tree Service of Alpena will apply the herbicide selectively to foliage using backpack sprayers in accordance with state and federal regulations. Herbicides will not be applied to lawns, gardens or crop areas. The herbicides used are Rodeo® (Glyphosate), Arsenal® (Imazapyr) and Escort® (Metsulfuron). All products are diluted with water (95 percent).

Contractors will soon apply herbicide in the rights-of-way in Hudson, Hendricks, Trout Lake, Moran, St. Ignace, Brevort, Marquette, Clark, Pickford, Rudyard and Kinross townships.

Cloverland Electric's selective herbicide application program ensures safe access for our service and maintenance needs while preserving the natural surroundings as a habitat for wildlife. We appreciate your cooperation and support in our efforts to deliver safe and reliable electricity. If you have any questions, please call Thunder Bay Tree Service at 877-333-8950.

Your Capital Credit Allocation

Since Cloverland Electric Cooperative is a not-for-profit utility, any profits (margins) generated by the co-op are allocated to each member's account as capital credits. The capital credits allocated to each member account is based on each member's electricity purchases compared to the rest of the membership. The unretired capital credits in your account represent your ownership equity in the co-op.

Your August bill will contain a printed statement confirming your capital credits allocation. The first line represents your share of approximately \$1.6 million in operating margins realized by the co-op in 2012. The second line shows the cumulative unretired capital credits in your account.

Capital credits represent the operating capital provided by the membership to the co-op and make it possible for us to secure loans, improve service reliability and make infrastructure improvements. They are retired and returned to you over time.

Letters & More

Reader letters, Mystery Photo, free app, youth programs and more. It's all here on your Readers' Pages.



Dessert & Raw Eggs

I felt I should write and tell you that we are told not to eat uncooked eggs anymore... the recipe "Raspberry Graham Dessert" (June) sounds great, but the eggs in it are not cooked...a "no-no" in this day, I believe.

Thanks for your attention. If I am wrong please let me know, as the recipe looks great.

— Majejan Sparks,
Cherryland Electric Co-op

Recipe Editor's Note: Thank-you for writing. The recipe is indeed correct as written, using raw eggs. After some research, I found there is risk of salmonella from eating raw or undercooked eggs, but it is much lower than once thought. A 2002 study by the U.S. Department of Agriculture found that the risk of egg-borne salmonella was 1 in



30,000 eggs. Still, if you don't feel comfortable eating raw eggs, I wouldn't recommend it.

— Christin McKamey

Energy Story Idea

Why don't you write about a family that uses lots of electricity that is not a typical family? Examples: I grew up on a dairy farm and our bill was very high due to milking cows. You could write about a small farmer. Or, right now, my family has lots of medical equipment so we use lots of electricity and have high bills due to using BiPaps, pulseoxes, electric beds, monitors, nebulizers, chest vests, air conditioning, lifts, suction equipment, etc.

— Donna Miller,
Cherryland Electric Co-op

Editor's Note: Thanks for the idea. Our editorial calendar is planned one year ahead, so we'll consider it for 2014.

Sharing 'Memories' & Rescuing Animals

I really enjoyed the "Ramblings" piece in *Country Lines* (June), entitled 'Memories.' Thanks for bringing the Arts alive for one and all. I also enjoyed the cover feature on "Black Sheep Family" animal sanctuary—I find it inspiring.

I'm also wondering if your magazine prints local artists' and poets' works, and short stories/cartoons? I am a previously published poet/writer and would love to link up with other writers, poets and artists in West Central Michigan.

Also, I am living on Justice

Free Nature Preserve App

Since the Little Traverse Conservancy, a nonprofit land trust in Harbor Springs, covers five counties served by Michigan electric cooperatives, the group wanted to share the following with *Country Lines* readers:

"Last winter, one of our staff developed a nature preserve app that gives smart phone users easy access to a host of information about nature preserves located throughout the service area. For example, from where they are standing, they can see what preserves are close by, exactly how to get there, what activities are recommended at each preserve, how long the trail is, etc.

We are trying to get the word out about this free app simply as an educational, informational tool that encourages people to get outside and appreciate northern Michigan land.

For information and links to the free downloads, visit landtrust.org (or call 231-347-0991). Thank you.

— Anne Fleming, Communications Coordinator
Little Traverse Conservancy, 3264 Powell Road
Harbor Springs, MI 49740

Rescue Ranch, owned by Jamie Piotrowski-Avilla of Morley, MI. The farm rescues horses, dogs and other wayward creatures, and could really use a hand by putting us in the public eye. We would love to be in your magazine. Also, any links/contacts that you feel may be valuable (readers—any ideas to share?). We are in the heart of Amish-

land, and I believe tourists will love to visit us here.

Thank-you in advance for any help in this endeavor... reporters and photographers welcome! Please visit us!

— Julian St. John
DekalbPoet@yahoo.com

Editor's Note: Story ideas (700 words or less) may be submitted to the address below.

HOW TO SEND A LETTER Readers are encouraged to submit thoughtful, courteously-worded letters, and we print as many as possible in the space and time allowed.

Country Lines reserves the right to print letters at the publisher's discretion, based on length, space and content, and to edit slightly for space and facts. Please limit comments to 240 words or less. Submit by posting online at countrylines.com, email gknudtson@meca.coop, or mail to: Editor, *Country Lines*, 2859 W. Jolly Rd., Okemos, MI 48864.

HOW TO CHANGE YOUR MAILING ADDRESS

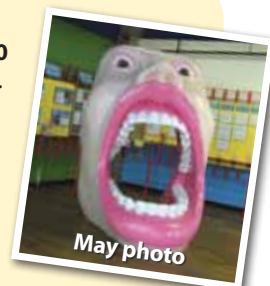
Please call or mail information to your electric co-op, as they maintain the mailing list. See page 2 for your co-op's contact information.

◀ DO YOU KNOW WHERE THIS IS?

Every co-op member who identifies the correct location of the photo at left by **Aug. 10** will be entered in a drawing for a \$50 credit for electricity from their electric cooperative.

We do not accept Mystery Photo guesses by phone! Email mysteryphoto@countrylines.com; enter your guess at countrylines.com; or send by mail to *Country Lines Mystery Photo*, 2859 W. Jolly Rd., Okemos, 48864. Include your name, address, phone number and name of your co-op. Only those sending complete information will be entered in the drawing. The winner will be announced in the September 2013 issue.

The May contest winner is Melisa Porterfield of Lansing, who correctly identified the photo from Impression 5 Museum, Lansing.



Experience of a Lifetime

Michigan co-op students tour D.C.

Twenty-two high school students representing six Michigan electric co-ops recently joined more than 1,600 other youth from across the country at the National Rural Electric Youth Tour to Washington, D.C.

The experience is an extension of the Michigan Youth Leadership Summit held in April, and is designed to give students a behind-the-scenes leadership experience.

The Michigan students visited memorials, museums and monuments, including guided tours through Arlington National Cemetery and the U.S. Capitol, stops at the WWII, Vietnam and Korean War Veterans' memorials, several Smithsonian museums, a performance at the Kennedy Center, and a riverboat cruise on the Potomac.

The group observed members of Congress debate and vote on important bills from the House of Representatives gallery inside the U.S. Capitol, then had personal visits with Sen. Debbie Stabenow and U.S. Reps. Justin Amash, Bill Huizenga and Dan Benishek.

Brianna Fitzpatrick, a junior



PARTICIPANTS – Cherryland Electric: Austin Bluemel, Kris Konstanzer. **Cloverland Electric:** Jameson Pigeau. **Great Lakes Energy:** Callie Berish, Danielle Johnne, Rachael Miller, Caleb Miller, Ryan O'Neill-Haugh, Sabrina Timmer. **HomeWorks Tri-County:** Jill McVeigh, Alora Rayburn, Ethan Simmer. **Midwest Energy:** Abbi Guyott, Lukas Hoffman, Mackenzie Ruff, Halie Stewart. **PIE&G:** Brianna Fitzpatrick, Ashley Ostman, Tony Rasmussen. **Wolverine Power Cooperative:** Hunter Christensen, Erin Millen, Shanna Strowenjans.

from Onaway, earned the support of her peers to serve on the National Rural Electric Cooperative Association's Youth Leadership Council. She will return to D.C. in July to attend a youth conference that strengthens leadership and public speaking skills.

Youth Tour participants are chosen by their co-op, who sponsors them on the trip. Learn more about co-op-sponsored youth programs at miYLS.com, and find more Youth Tour photos on facebook.com/youthleadershipsummit.

Quilt Needs a Permanent Home

Remember the Michigan Heritage Quilt? It was created from 36 winning squares in a *Country Lines* contest held in 2002. For several years the quilt traveled around to craft shows, museums, festivals and gatherings as a way of commemorating our state's rich heritage and to promote its sponsors, Michigan's electric cooperatives.

The *Country Lines* staff now wishes to see it displayed per-

manently in a public place (i.e., museum, library, airport, municipal building, school, etc.). Preference will be given to a facility served by an electric co-op. The quilt measures about 90 inches square.

Please email your suggestions and ideas to czuker@meca.coop (put "Quilt" in the subject line) or mail to: Country Lines Quilt, 2859 W. Jolly Rd., Okemos, MI 48864.

The Adventure Began at YLS



The **Youth Leadership Summit** (YLS) is designed to grow leaders through team-building skills, including hands-on classroom exercises and a high-ropes challenge (over 30 feet in the air!). Sponsored by their electric cooperative, students from across Michigan gathered at SpringHill Camp near Evart this spring and tested their decision-making skills, learned how to respond in emergency situations and received valuable career information. Participants were then considered to attend the Rural Electric Youth Tour to Washington, D.C. (above). Learn more about both programs at miYLS.com.

Old Stuff

A tribute to appliances that won't die and we can't throw away!

Thank you to the Cloverland Electric Co-op members who responded to our request for Old Stuff photos. We asked members to share photos of their vintage electrical appliances still in use today and the story behind them. Our top three picks received a \$75 bill credit in celebration of the cooperative's 75th anniversary. We loved your entries so much that we decided to award a few honorable mentions, too. These members will receive a \$25 bill credit.

● We came up to Hessel and rented cabins in the 1960s and always requested the front cabin on the water. We had a refrigerator that we call the *Fridge From H#@!* It was so small with a tiny little freezer for two ice cube trays and just enough room for a few packs of very small fish.

During the 1980s my parents bought an 1897 Victorian home just a hop-and-skip down the road from these cabins. It's so hard to buy furniture when you live in Ohio, so I called the caretaker of these cabins and asked him to find us an old refrigerator for our mudroom. When we arrived home, we were excited to see that it was indeed old, and after opening the door, I looked at my mom and we totally cracked up,—our *Fridge from H#@!* had returned!

It still runs like a charm and we use it to keep our pop cold, but it sure is a bugger to defrost. Grandkids stand in awe when it comes time for the hot water in pans to be placed in the freezer and then dumped out and repeated. Sure hope it runs for another 30 years, and although it isn't efficient, we couldn't replace those memories. Thanks Tim and Loreli Cabins!

— Phyllis Cox, Hessel





Dad's Malt Machine.



Grandpa's Grinder.

● In the early 1960s, I was looking for the perfect gift for my dad. He loved ice cream and especially milkshakes and malts! So, I walked into the local corner malt shop/drug-store and saw that they were closing and selling everything. I dug into my pocket and discovered that I could afford the small amount they were asking for this treasure. I was only 13 and had been saving my 50 cents-an-hour babysitting money.

We have used it in my family for almost 60 years for a special treat anytime of the year. Dad died in 1995, and I "inherited" my gift back from him. When we moved from Naperville, IL, to Big Manistique Lake, we discussed selling it at a garage sale, but just couldn't part with this *Hamilton Beach* heirloom. The cord has been replaced, but other than that, our grandchildren are still enjoying treats from Great Grandpa's malt machine.

– Jan Barrett, McMillan

● During my adolescent years in the early 1950s, my grandparents' home was right next door. My grandfather had a commanding presence, and I greatly admired him. I often tagged along with him while he worked. I was fascinated to watch him sharpen his tools and mower blades with the *Black & Decker* grinder on his workbench. In the dimly lit garage, the firework of sparks flying off those spinning wheels dazzled my young eyes.

The grinder, which now must be well over 70 years old, eventually was bequeathed to my father, then on to me. I regularly use it today to sharpen my tools and mower blades. I have to spin the grinder wheels to get the tired old motor revved up, and I had to re-wire it because the original power cord was frayed. But I would never part with this treasured remembrance of my grandfather.

– Don Dickmann, Brevort

Honorable Mentions

Vidrio Electric Egg Beater

– Joyce Hoose, Germfask



Toastmaster

– Robin Meyers, Curtis



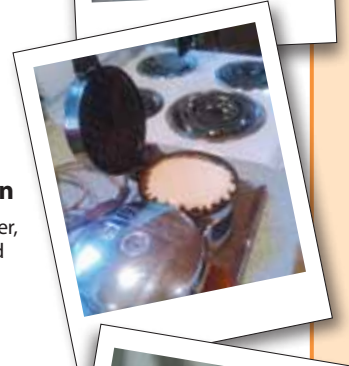
Remington Electric Hair Curler Set

– Eileen Pugh, Manistique



Sunbeam Waffle Iron

– Mary Greiner, Drummond Island



Emerson Electric & Westinghouse Fans

– Donald Erfourth, Sault Ste. Marie



Visit State's Newest Shipwreck Museum: West Michigan Underwater Preserve

In the calm waters of Lake Michigan, north of White Lake, John Hanson emerged from the depths, his form taking shape in the bubbles that preceded him.

Hanson broke the surface and reached for a ladder rung. Then the 59-year-old scuba diver from Montague climbed up on deck and announced his find: the *Interlaken*, a 170-foot wooden schooner. It had foundered and sunk in a fierce Lake Michigan storm in 1934.

"I've never seen it like that," Hanson said excitedly. "Much more is exposed than five or six years ago. I went down the entire length of it. It was really cool."

The *Interlaken* hull lies in 15 feet of water, much of it under sand. It was once a handsome three-masted cargo ship, built in 1839

by the Abram Smith and Sons shipyard, of Algonac, on the St. Clair River.

Today it is one of a dozen charted shipwrecks in the 400-square-mile West Michigan Underwater Preserve (WMUP), our state's newest underwater museum. The Preserve was dedicated in 2012 and is open to the public. Hanson, an experienced wreck diver, is chairman of the Preserve's board of directors.

The Preserve is one of 14 found on lakes Michigan, Huron and Superior. All are part of Michigan's Underwater Preserve System. The state program was created in 1980 by legislation with support from Michigan sport divers who were concerned about protecting maritime antiquities.

State officials estimate as many as 6,000

vessels have gone to the bottom of Lake Michigan and other Great Lakes. Approximately 2,000 are located in Michigan waters. It is illegal to remove artifacts from the sunken ships. Information about the shipwreck sites is available at michiganpreserves.org.

DIVING THIS DAY proved a bit of a challenge, as visibility was not at its best. Recent storms had made the nearshore Lake Michigan waters cloudy. Hanson knew the *Interlaken's* GPS coordinates, but he didn't drop anchor until he saw the wreck's image outlined on the electronic side-scan sonar he uses on his boat.

Even then it was up to Mark Gleason to find it using a portable remote sub called an ROV, or remotely operated vehicle. Gleason, a Hospitality, Tourism and Management professor at Grand Valley State University, is a professional ROV pilot who has used them to explore for Great Lakes shipwrecks and offshore oil wells in the Middle East. His device is equipped with a video camera that transmits images to a portable monitor in the boat cabin, where Gleason controls its movements with a joystick.

"There's the bottom," Gleason called out cheerfully after Hanson launched the ROV from the front deck. "And there's the wreck," he added a few minutes later, prompting Hanson to suit-up and go over the side.

The group, which included Paul Chase, an underwater photographer, had planned to dive on the *State of Michigan*, a 165-foot steamship built in 1873. It sunk in 1901 after a mechanical failure just 4 miles from the port of Whitehall on White Lake. But Gleason's ROV showed the divers that visibility on the bottom was practically zero at the *State of Michigan*, so they motored 5 miles north hoping for clearer water at the *Interlaken*.

THE WEST MICHIGAN PRESERVE stretches from Port Sheldon to north of Ludington. It is the resting place for ships like the *Anna C. Minch*, a 380-foot freighter that sunk in a 1940 storm, and the 320-foot *Henry Cort*, a bulk-cargo ship that sunk off Muskegon in 1917, among others.

Hanson said there are more to find. "There

You don't have to be a diver to enjoy some of Michigan's 14 underwater shipwreck preserves. They can offer a great vacation for families—divers and non-divers—including dive charters and glass-bottom boat tours. Read on for more details.

The *State of Michigan* shipwreck, and diver John Hanson.



Photo - Paul Chase



Divers John Achterhoff and John Hanson.

Learn more about the shipwreck preserves at michiganpreserves.org and the West Michigan Preserve at wmup.org

are 64 ships listed as unaccounted for within the preserve boundaries,” he said. “Some are over 120 feet long.”

Hanson began diving in high school, inspired by the 1950s and ‘60s era “Sea Hunt” TV series, starring Lloyd Bridges as the rugged, ex-Navy frogman, Mike Nelson. Shipwreck diving came later.

He made his first wreck dive nine years ago on the 253-foot long *Salvor*, a steamer built in England that sank in 1930 between Muskegon and Whitehall.

“There wasn’t much to see, but it was exciting. I was diving on a piece of history,” Hanson said. “That triggered my interest in wrecks and finding out more about others. I started diving wrecks and found it fascinating. These are underwater museums.”

THE MYSTIQUE OF SHIPS going to a watery grave on the Great Lakes, and the harrowing stories of lives lost or forever changed, is part of the appeal for divers and tourists who visit the preserves, explains Debbie Chase, a Great Lake Energy Cooperative member from Walkerville and president of the Michigan Underwater Preserve Council. She is also vice-chair for the West Michigan Preserve.

“I read about shipwrecks in my 20s and thought they would be very scary to dive

upon. But they are fascinating,” said Chase, who began diving in 2004 with her husband, Paul Chase, the underwater photographer.

“I think the coolest dive I’ve made is on the *William Young* in the Straits of Mackinac Shipwreck Preserve. It was a sailing vessel and still has coal on it,” Chase said.

The *William Young* sits upright in 120 feet of water. The 139-foot wooden schooner was built in 1863 in Marine City, MI, and its home port was Detroit. It sank with a load of coal in 1891 and is one of 13 shipwrecks in that preserve.

Michigan’s underwater preserves provide a great opportunity for tourism in Michigan, Chase notes, and can be a family vacation destination. All are located near one or another shoreline community, she adds, where family members that don’t dive can enjoy themselves at local beaches and shops.

Glass-bottom boat shipwreck tours:

- Munising – shipwrecktours.com or 906-387-4477
- Alpena – alpenashipwrecktours.com or 888-469-4696

Dive charters:

- Straits of Mackinac to Alpena – greatlakesdivecharters.net
- Lake Huron – rectecdivecharters.com and blueheavenscuba.com
- More dive info at michiganpreserves.org



Photo – Howard Meyerson

Above: John Hanson prepares to lower the remotely operated vehicle (ROV) to check visibility on the lake bottom before diving. **Below:** Preserved shipwrecks like the *Pizzazz*, (diver is Paul Chase) are underwater museums.



Photo – Debbie Chase

Wind Talkers

The pros and cons of wind power.

This is third in a series on how electricity is generated. The first (January) was about clean-coal technology, and the second about new nuclear options (June). Watch future issues for stories about other fuel sources.

For many, answers to our nation's energy and climate change challenges lie in the wind. From commercial wind farms to backyard setups, the sky scraping structures with massive rotating blades have become synonymous with "going green."

At the end of 2012, wind generated about 60,000 megawatts of electricity in the United States—enough to serve over 15 million homes. Wind power production is booming, with output increasing leaps and bounds over the past several years.

Costs are dropping for wind power projects, although federal subsidies are still necessary for wind to compete with traditional sources of electricity generation. A January 2012 study from the U.S. Department of Energy's Lawrence Berkeley National Laboratory reports it costs between 24 percent and 39 percent less to produce wind energy on a per-kilowatt-hour basis today than it did a decade ago.

As of early 2013, 50 electric co-ops either own wind turbines or buy output from wind farms, amounting to 4.3 gigawatts (GW), or about 9 percent of the U.S. wind generating capacity, according to the American Wind Energy Association.

Like any resource, wind has pluses and minuses when it comes to making electricity. Here's a look at how wind power stacks up.

Intermittency Issues

Wind power development opportunities vary greatly throughout the country. It's viable in many states, ranging from the Great Plains and Midwest as well as the Atlantic Coast, but is limited in the Southeast and Southwest.

Yet even in locations with strong wind resources, an active wind turbine typically only generates 30 to 40 percent of its "capacity factor"—the total electricity it could generate operating around-the-clock. A 2010 National Renewable Energy Laboratory survey found less than 1 percent of land in states like Alabama, Kentucky and Georgia was windy enough to achieve at least 30 percent capacity factor.

Wind is also an "intermittent" fuel source. The wind doesn't blow all the time, so electricity generation is not reliable or constant. Energy from wind usually peaks in the early morning, when most people are still sleeping and not using electricity. Intermittency means coal and natural gas-fired power plants must act as backups so electricity continues to flow as needed when the wind isn't blowing. Backup power sources increase the total cost of wind generation.

Energy Storage

As of now, technology to store power from renewable energy—so it can be used later—is still immature and expensive. Wind and other renewables could become more valuable as advancements in energy storage systems are tested. First developed in the 1970s, energy storage is becoming more economical on a large scale thanks to recent

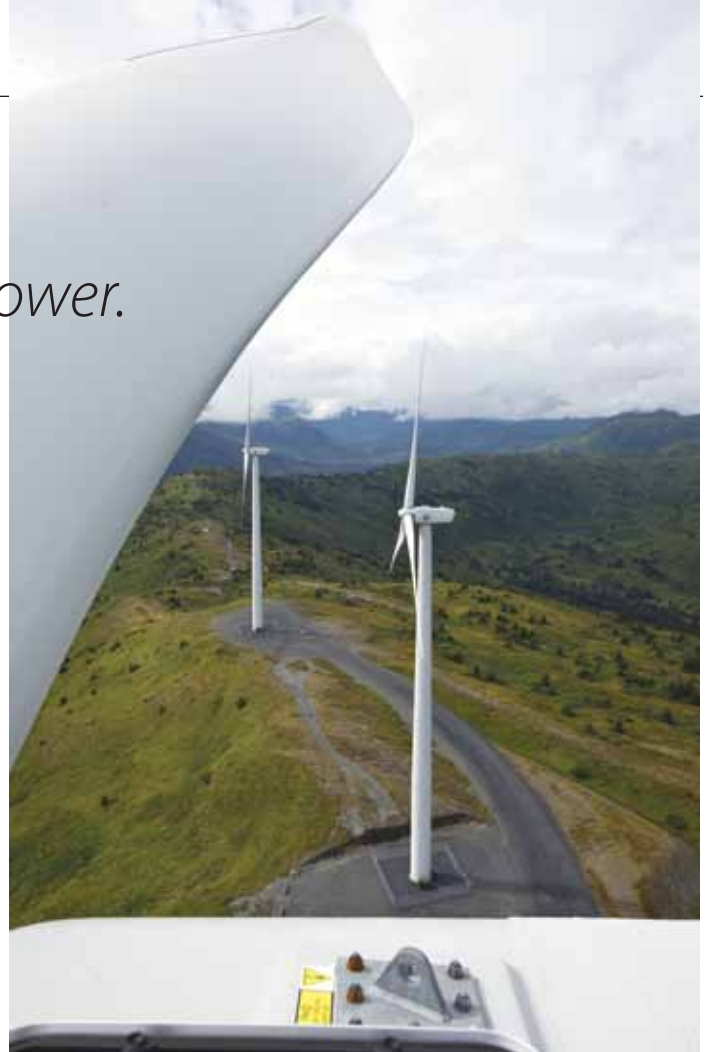


Photo - NRECA

manufacturing breakthroughs that increase the longevity while lowering the cost of batteries. With energy storage, the electricity produced by wind can be used during times of peak demand—the electric utility industry's version of rush-hour traffic, when power use skyrockets—to avoid buying expensive backup power.

"Energy storage would also reduce the intermittency of wind, which allows for more efficient use of backup generators, among other benefits," says Doug Danley, technical liaison on renewable and distributed energy for the Cooperative Research Network. "CRN is continuing to study energy storage systems so that electric co-ops can best use these technologies to the advantage of their consumer-members."

Environment & Transmission

Before turbines go up, studies must be done to judge the wind's variability in a given area. And although the sight of a tall, white wind tower may not be as intrusive as other types of power plants, environmental and economic impacts must be assessed. Will the turbine kill songbirds and bats, or disrupt their migratory patterns? Will shipping routes be affected by an offshore wind farm?

Once the electricity is produced, moving it from a wind farm to homes can be difficult. Transmission infrastructure may not be available in areas where the wind blows best, and building new transmission lines takes time, money, and a lengthy regulatory approval process.

Investing in Local Communities

The clear advantage to wind power is its "renewable" status, but there can be economic benefits, too. Fifty-three remote communities served by Alaska Village Electric Cooperative, based in Anchorage,

are able to harness wind and reduce their dependence on pricey diesel fuel that led to retail electricity rates of 51 cents per kilowatt-hour, almost five times the national average.

Some rural communities are developing wind power to revitalize their economies. In Missouri, Atchison-Holt Electric Cooperative was losing businesses and young people until it discovered growth through renewable energy. Building several wind projects spurred an economic renaissance that included biodiesel plants and new small businesses.

In a similar boon of local investment in 2010, the South Dakota Wind Partners venture garnered \$16.6 million from over 600 investors to build the Wessington Springs Wind Farm near White Lake. As required by law, all investors were South Dakotans, but most were also associated with one or more of the farm's organizers: East River Electric Power Cooperative, a generation and transmission co-op in Madison; South Dakota Farm Bureau Federation; South Dakota Farmers Union; and the South Dakota Corn Utilization Council.

South Dakota Wind Partners was possible after the passage of the federal stimulus bill, which created the 1603 grant-in-lieu of tax credits program providing a cash payment (tax grant) of up to 30 percent of qualifying project costs. This provision expired in 2011.

"Were it not for 1603 tax grants, the Wessington Springs Wind Farm would not have happened," notes Jeff Nelson, East River Electric Power general manager. "It opened the door for small investors to come together to create a unique, locally-owned community wind project."

Electric Co-ops Working for You

While great strides have been made to include renewable energies like wind power into America's electricity generation portfolio, making wind work as a reliable, affordable energy source will take time. Electric co-ops, including Michigan's, have long been on the forefront of new technologies.

For example, Wolverine Power Cooperative, in Cadillac, MI, has purchased the total output of the Harvest Wind Farm, the state's first commercial-scale wind project, to serve its member co-ops since the farm began generating electricity in December 2007.

All Michigan electric co-ops will continue to evaluate and implement renewable energy opportunities that work for their member-owners. To find fuel mix percentages for your co-op, go to countrylines.com and click on "My Co-op"/co-op name/March issue.

Geothermal: Energy from the Ground Up

Geothermal energy—created from Earth's natural heat—has been used for thousands of years to cook and bathe. But modern technology has unlocked new ways to harness geothermal's energy potential by using the hot water and steam locked below the Earth's surface to produce electricity and heat and cool buildings.

America leads the world in geothermal power production. Nine states (Western states produce the most) generate nearly 3,200 megawatts (MW) of capacity, and over 100 new projects are developing in 14 states, reports the Geothermal Energy Association, the national trade association for geothermal companies. For comparison, 1 MW can power 750 to 1,000 average homes.

How It Works

Typical fossil fuel-burning and nuclear power plants heat water to boiling to create steam. The steam turns a turbine, which generates electricity.

Geothermal power stations cut out the middle man by piping naturally-heated water (changed into steam) or naturally occurring steam into a plant to spin turbines. Three types of geothermal generation exist; the choice depends on the state of the steam or water and its temperature.

Dry steam: The first type of geothermal power plants built, these use steam from a geothermal reservoir (pulled from wells) and route it directly through turbines to create electricity.

Flash steam: The most common, these plants pump water with temperatures over 360 degrees F under high pressure to generation equipment. The steam is separated from the water and used to make electricity; leftover water and condensed steam are channeled back into the reservoir.

Binary cycle: These plants use moderate- to low-temperature groundwater or steam. In this type of system, hot water is pumped from a well and passes through a heat exchanger, where it warms a secondary fluid with a lower boiling point than water. This causes the secondary fluid to flash to vapor, which then drives a turbine. The secondary fluid then condenses and returns to the loop system, and the water gets pumped back into the well.

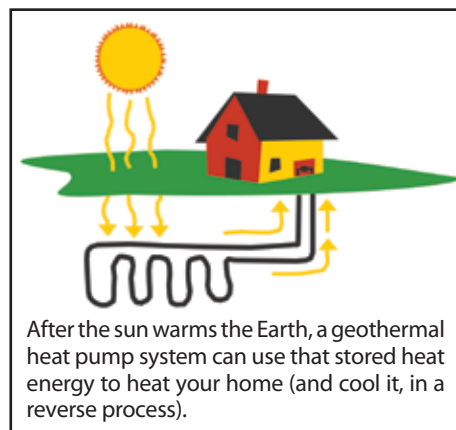
Other Uses

Geothermal energy offers an array of benefits beyond power generation. In some cases, hot water can be piped directly into systems to heat buildings, greenhouses and fish farms. Some cities run hot water under roads and sidewalks during winter to melt snow and ice.

The top 10 feet of earth stays a mostly constant 50 to 60 degrees F year-round. Geothermal heat pumps rely on the ground's energy to move heat into and out of a building, providing heating and cooling. Also called ground-source heat pumps, these come in two types: a groundwater (open-loop) unit uses well water; an earth-coupled (closed-loop) model moves a water and antifreeze solution through underground pipes to disperse heat.

While geothermal heat pumps generally operate more efficiently than their air-source cousins, they are more expensive to purchase up-front, and a heat pump may not always be the best option for every situation. However, a federal tax credit equal to 30 percent of the cost for materials and installation, with no limit on total project expenses, applies to geothermal heat pumps through Dec. 31, 2016.

To decide if a geothermal heat pump is



right for you, find requirements and product lists at energystar.gov/taxcredits. More information, including a list of contractors and tips for finding one, is available from the Michigan Geothermal Energy Association at earthcomfort.com (248-396-8231). To check for other rebates, see the Database of State Incentives for Renewables and Efficiency (dsireusa.org).

Sources: U.S. Department of Energy, National Renewable Energy Laboratory, Geothermal Energy Association, International Ground Source Heat Pump Association

To Buy (Geothermal) Or Not To Buy?

After many years, my geothermal system developed a freon leak in May of this year. The leak was in the worst of all places, and fixing it would cost about \$2,000. We had already been debating when to replace our geothermal system for the past three years. Should we replace it while the system is still working to take advantage of the 30 percent tax credit, or do we wait until the system breaks down and take the chance the credit may be gone? As the executive director of the Michigan Geothermal Energy Association (MGEA) it would be really embarrassing to replace it with a gas or propane system. The question was not what kind of system to buy, but when.

Over the past 14 years, the average heating and cooling bill for our 2,700-square-foot house (with a 1,200-square-foot basement) has been less than \$60 a month. I know many of you have heard that a geothermal home must be kept at 60 degrees in the winter and 88 degrees in summer, but that is an Urban Legend (*Country Lines* told me I had to include the

word “urban” in every article). I prefer to keep the house at 71 degrees in the winter, but my wife prefers 72, so we keep our house at 72 degrees (every husband needs to reread this line). We keep our house at 73 degrees in the summer. Even at those settings, we have paid for our geothermal system many times over, and my bills are about \$1,000 a year less than my neighbors—who keep their homes at 68 degrees.

The real question was timing. Currently, there is a 30 percent federal tax rebate on geothermal through 2016, and it is unlimited. About three years ago, we got a 2.4-kilowatt solar panel array on our roof and got a 30 percent tax credit (about a \$7,500 credit) for that. Now we will get another tax credit, but we all know how government programs work—funding can run out (cash for clunkers) and the program can end prematurely. It is equally likely that the 30 percent tax credit could be extended. Who knows? If anyone thinks they can predict government, I have a bridge in Brooklyn to sell you.

Check out the MGEA website:
earthcomfort.com
or call 248-396-8231



Installing the new geothermal unit in the Kaufman home in May 2013.

So, the question is: Do you buy a new geothermal system now before the tax credit runs out or do you wait till the unit dies and replace it without the tax credit? Here is how I looked at it: We intend to stay in our house for at least 10 more years. The current geothermal system will probably not last another 10 years. Therefore, we are going to have to replace it anyway in the next 10 years. Therefore, it makes more sense to do it with a 30 percent tax credit. My new unit should last 20 years, so this will be the last heating and cooling system I buy.

When my existing unit needed repair, it expedited the decision. Either that or it was incredibly brilliant planning on my part to replace the unit in May when we didn't need heating or air conditioning that week.

Of course, my new unit will be more efficient and quieter. Between my solar panels and geothermal unit my summer bills are

quite low—52 cents last July. June was less—where the utility actually paid me. I mention this even though I know I get absolutely no sympathy from anyone (maybe my accountant).

If you're thinking about a geothermal heating and cooling system, check out the MGEA website at earthcomfort.com to find a dealer near you. I would also urge you to take advantage of that 30 percent credit before it is gone. Getting money back from the government really feels good. Almost as good as a 52-cent electric bill in July.

Larry Kaufman is executive director of the Michigan Geothermal Energy Association. MGEA is a 20-year trade organization that promotes high-quality geothermal energy systems that meet the comfort, efficiency and environmental needs of customers.





Everything at The Mitten Bar, from the dozen beers on tap to hard cider, is made in Michigan.



Photos Courtesy - Megan Payment

Mitten Bar Fits Her Like a Glove

When is a beer not just a beer? When it's the ideology behind a gathering place for those who enjoy the camaraderie shared over a handcrafted adult beverage. That's the thinking that launched The Mitten Bar, a Ludington hangout that serves only Michigan-made beer, wine, spirits and hard cider.

The concept came to owner Megan Payment and Brian Josefowicz, her fiancé and business partner, as they sampled their way across the state's wine and beer trails. "The beer was great," says Payment about their tasting tour of brewpubs, microbreweries and breweries. "But that was almost secondary. It was how people treated each other, how everyone could get along," that she says impressed the couple and inspired them to open their business in July 2011.

Payment, 27, who graduated from Aquinas College with a dual major in business administration and communications, is no stranger to the food and beverage industry. Her parents, Mike and Julie Payment, own the Sportsman's Restaurant and Irish Pub, a Ludington landmark since 1955. But she wasn't planning on it as a career. "I wanted nothing to do with my parents' place," she says. "I have a lot of great childhood memories, but it's just not me. This (The Mitten Bar) really fits who I am."

Named for the Lower Peninsula's shape,

The Mitten occupies a 1900s building with exposed brick walls and vintage wood flooring. The cozy tavern serves no food (guests can carry-in, and Sportsman's is next door), just a changing menu of 40 Michigan bottled beers and a selection on-tap, plus about two dozen spirits and a small selection of wines. But here, Payment says, "It's not just about drinking, by any means. It's a 'third place'—not home, not work—we've developed a community place. Our regulars have become family. It's more about the interaction." She and Josefowicz, 31, who studied business and photography at Grand Valley State University, post short, "wonderfully awkward" videos on Facebook with updates on beverage releases, weekly band appearances, and progress reports on their new venture, Barley & Rye.

Housed near The Mitten, Barley & Rye offers craft beer and whiskey from around the world and a short menu of "fast, casual foods," like charcuterie (cooked, cold meats) and pulled pork, specialties of foodie Josefowicz. The hop vines growing in the outdoor beer garden make it an especially good setting for sipping a refreshing brew.

The Mitten Bar: A Michigan Ideology
Ludington, MI
mittenbar.com • 231-843-7616
megan@mittenbar.com



Cheers to Michigan Beers

July is Michigan Craft Beer Month for the state's more than 100 commercial craft brewers and their growing economic impact on agriculture and tourism. Michigan ranks fifth among states in number of breweries, microbreweries and brewpubs, and its 20 percent growth last year outpaced the nation. The hopping beer scene is so vibrant that the Pure Michigan advertising campaign is airing a radio spot about it, and carries information on beer trails and brewery tours at michigan.org/breweries.

Larry Bell is the founder of the state's modern craft beer movement; he made his first beer in a 15-gallon soup kettle in 1985. Today, Bell's Brewery is one of the top craft brewers in the country and is still located in its hometown of Kalamazoo. That city placed second in the 2013 Beer City USA poll, just behind winner Grand Rapids and ahead of fourth-place Ann Arbor.

The strong Michigan showing in the annual survey adds credence to the "Great Beer State" promotional slogan of the Michigan Brewers Guild (MBG) (michiganbrewersguild.org). The Guild produces a free, glossy guide to beer destinations here, and hosts four popular events: the Summer Beer Festival in Ypsilanti, July 26-27; U.P. Fall Beer Festival, Sept. 7, in Marquette; Detroit Fall Beer Festival, Oct. 25-26; and the Winter Beer Festival, Feb. 22, 2014, in Comstock Park. Even the February event at the West Michigan Whitecaps baseball stadium attracts a sell-out crowd of 6,000 craft beer drinkers—many, no doubt, wearing mittens.



Short's Brewing Company, Bellaire

Photo - Kath Usitalo

► **Tell us about your favorite Michigan-Made product!** Please send a few short paragraphs describing the product and why you like it, along with your email and phone number to gknudtson@meca.coop or call 517-913-3531.

Park, Picnic & Play

Family friendly places to enjoy the outdoors.



Nothing embodies summer more than a casual picnic. Mention it to your kids and they instantly smile. There's just something magical about eating food outside on a picnic table or on the green grass. Pack your own picnic or stop at a roadside market along the way to add to the adventure. Here's five suggestions that will make any picnic a memorable experience.

1 SILVER BEACH 101 Broad St, St. Joseph

Located at the mouth of the St. Joseph River, this park provides river and beach activities. It boasts three playground structures with soft surfaces; two are age specific. One is for children ages 2-5. The other is designed for children 5-12. Kids will imagine life on the high seas with the red and blue "boat" structure. Nautical talking-and-listening tubes will give the captain and the crew hours of fun. Enjoy your picnic and playtime in the park then take a 5-minute stroll on the boardwalk from the beach to the Silver Beach Carousel, Curious Kids' Museum and the free interactive Whirlpool Compass Fountain for more hours of family fun.

Fees: \$6/vehicle for Berrien County residents, \$8 for non-residents (carousel and museum have additional fees)

Website: berriencounty.org

2 HAWK ISLAND 1601 E. Cavanaugh Rd., Lansing

Work up an appetite first by renting a row-boat or pedal boat for a small fee. Picnic spots abound at various locations around the beach. Paved accessible walkways for walking or bike riding (1.5 miles), fishing docks, horseshoes, playgrounds and the popular Splash Pad® beckons young and old alike. A concession stand is also available if you didn't pack enough treats in your picnic basket.

Fees: \$3 annual fee per vehicle for Ingham County residents or \$5 for non-residents

Website: pk.ingham.org

3 EAST PARK Little Traverse Wheelway, Petoskey

This \$13 million renovation project has been touted the "crown jewel of the north" in downtown Petoskey. You'll have plenty of green space to picnic, or choose from one

◀Janet TenHove and sons Cody and Jesse take a break from watching muskrats at Hawk Island.

of the many picnic tables along the park's paved walkway. Take in the beautiful boats and yachts docked in the marina during your stroll. You may never get the kids away from the Charlevoix Fountain of Youth, a state-of-the-art interactive kids' fountain. The water is heated and there are multiple water nozzles and choreographed LED lighting and music.

Don't forget to check out the East Park Trout Habitat while you're there. This fully functioning trout ecosystem replicates the conditions found in a northern Michigan trout system.

Fees: free

Website: charlevoix.org

4 DUCK PARK & ISLAND PARK Corner of U.S.-31 and Long Rapids Road, Alpena

Picnic in Duck Park along the 1,200 feet of Thunder Bay frontage and stroll across the walking bridge into Island Park, a 17-acre island in the middle of the Thunder Bay river. Pack your binoculars to zoom in on the various bird species, including the mallard duck, great blue heron, or mute swan. These parks boast a 500-acre wildlife sanctuary with varied ecosystems including sand dunes, meadows, woodlands and marshes with viewing platforms so you're bound to see all kinds of wildlife, including the amusing antics of beavers. Fish from wooden platforms or take a self-guided 3/4-mile nature walk.

Fees: free

Website: alpena.mi.us

5 HORSESHOE FALLS Munising

An abundance of photo ops await at this privately owned attraction. One million gallons of pristine water fall over the top of Horseshoe Falls, which is fed by the underwater springs of Lake Superior. Bring your picnic basket, but save room for ice cream at the gift shop. Walk the well-maintained gardens and follow the gentle stream. Feed the rainbow trout and ducks at the trout pond. Scavenger hunts will keep the kids entertained by looking for a variety of items, including the whimsical Laafs (pronounced laughs) figurines. Adults can enjoy the many points of interest, such as the sundial, totem pole, water wheel and Indian 10 Commandments.

Fees: \$6/adults, \$5 and under for children depending on age, or family ticket, \$19

Website: uppermichiganwaterfalls.com

For a listing of Michigan state parks, nature preserves, refuges, gardens, arboretums and other "hot spots" across the state, visit michigan.org/nature-parks or call (888) 784-7328.

Create Tasty Centerpieces

... with veggies from your own garden.

When most people think of centerpieces they think of flowers, but not Tim Latimer, a certified florist and floral design instructor at Michigan State University (MSU). “Vegetables are every bit as colorful as flowers,” Latimer notes. His own bountiful centerpieces are proof, with artful clusters of vegetables catching the eye with pleasing textures and a rainbow of colors.

It all started in the mid-1990s when Roger Swain of the PBS “Victory Garden” TV show came to speak at an MSU Garden Days event. “I thought it would be neat to try something different,” Latimer recalls. “Given Roger’s affiliation with the Victory Garden, vegetables seemed a natural for a centerpiece for his hotel room.” Latimer’s centerpiece was a big hit, and he’s been designing with vegetables ever since. “When you think of it, many vegetables ARE flowers – cauliflower, broccoli heads, asparagus tips,” he explains.

Firm vegetables work best in these arrangements, since they have to be inserted in floral foam (ripe tomatoes wouldn’t work well!) in order to use them in a centerpiece, Latimer says. First, cut the foam to the container size, then soak the foam in water. Hide the foam with dried moss that has been wetted down, or bark also works, and both can be found at craft stores. If you are going to eat the centerpiece afterwards, use sturdy natural toothpicks instead of painted floral picks. With a round vegetable, like Brussels sprouts or radishes, insert the pick into its base and then insert the pick into the foam. With long vegetables, such as asparagus or carrots, trim the end to a point so it can be easily inserted into the foam, or use wire to attach it to a floral pick. For the most impact, Latimer recommends using groups of three or more instead of scattering a single vegetable.

Herbs, kale or sturdy leafy vegetables make a great filler. Latimer especially likes rosemary, dill and fennel, which add both texture and aroma. Latimer also plants his garden with vegetables that he knows work well in his arrangements: squash, pumpkin, eggplant, green tomatoes, corn, potatoes,



①

CLASS OFFERED:

Floral designer Tim Latimer will offer a class entitled “Designing from the Garden,” for both home gardeners and professional designers, on Aug. 17, noon to 4 p.m., at the Michigan Floral Association in Haslett (near East Lansing). Find more information about it and other classes at michiganfloral.org.

onions and green beans. “The important thing is to use a variety of textures, height, shapes and sizes when selecting your vegetables, and I like to use vegetables that are in season,” he adds.

Vegetable centerpieces can work for any occasion except more formal events. Keep in mind the size of your container when choosing vegetables. For large containers, Latimer has even used whole cabbage heads and large eggplants. For smaller arrangements, choose vegetables that will not overwhelm the container.



②



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1) Tim Latimer often adds flowers to his vegetable centerpiece designs to give them more texture and color.

2) Learn to design an alluring vegetable centerpiece like this one by Tim Latimer. It contains edibles such as radishes, kale, Brussels sprouts, carrots, asparagus and cucumbers, accented by flowers of blue veronica, pink Astilbe, and bright white daisies. Sprigs of natural branches add height and the finishing touch.

3) The asparagus end is cut at an angle to fit easily into the foam, and floral picks are inserted into round vegetables like the Brussels sprout to hold them in place.

For even more texture and color, he suggests adding more natural-looking flowers, since vegetable arrangements are more informal. Other ideas include adding natural branches, dried lamb’s ear, thistle or ornamental grasses to finish your centerpiece.

Rita C. Henehan is an author, freelance writer and photographer. For more on vegetable centerpieces, visit her website, miggardenerscompanion.com.





Smoked Salmon Dip

Under the Sea

Seafood recipes are some of the most popular with *Country Lines* readers. Low in calories, cholesterol and sodium, seafood is a healthy (*and delicious!*) addition to your diet.

Crab Cakes with Lime Sauce

- 1 medium lime
- 1 c. Hellman's® mayonnaise, divided
- 1 envelope Good Seasons® Italian Salad Dressing mix
- 2 T. dijon mustard
- 2 6-oz. cans crab meat, drained, flaked and small shells removed
- 25 Ritz® crackers, finely crushed, divided
- 2 T. chopped green onions
- 1/4 c. sour cream

Grate the peel and squeeze the juice from the lime. Mix half of lime juice, 1/2 cup mayonnaise, salad dressing mix, and mustard in medium bowl until well-blended. Add crabmeat, 1/2 cup cracker crumbs and onion. Mix lightly. Shape into 16 (1/2-inch thick) patties; coat with remaining cracker crumbs. In large nonstick skillet on medium heat, cook patties in batches for 2 minutes on each side or until browned on both sides and heated through. Meanwhile, mix remaining mayonnaise and lime juice, lime peel and sour cream until well blended. Serve sauce with crab cakes.

Paula Brousseau, Bellaire

Photography by: 831 Creative

Smoked Salmon Dip

- 8 ozs. cream cheese, at room temperature
 - 1/2 c. sour cream
 - 1 T. lemon juice
 - 1 T. fresh dill, minced
 - 1 t. prepared horseradish, drained
 - 1/2 t. salt
 - 1/4 t. black pepper
 - 1/4 lb. (4-oz.) smoked salmon, minced
- Cream together cream cheese, sour cream, lemon juice, dill, horseradish, salt and pepper. Mix well. Add the smoked salmon and mix again. Chill and serve with crackers.

Bonnie Gauld, Fife Lake

Coconut Mahi Mahi Over Rice

- 4 mahi mahi fillets
 - 1 small can sweetened condensed milk
 - instant white rice
 - small can coconut milk
 - flaked coconut, unsweetened
 - 1 T. parsley
 - 4 T. sliced almonds (optional)
- Preheat oven to 350°. Place Mahi Mahi fillets on a baking sheet and bake for 10 minutes. While fish is baking, prepare instant rice according to package directions except decrease the water by half and replace with

coconut milk. After fish has baked for 10 minutes, generously coat the fish with the condensed milk. Bake for additional 5-7 minutes or until condensed milk begins to thicken. When rice is done cooking, pour onto serving plate. Sprinkle with flaked coconut, parsley and sliced almonds. Place fish atop the rice and serve.

Debbie Buck, Cassopolis

Shrimp With Gnocchi

- 1 lb. fresh or frozen shrimp, peeled, deveined and tails removed
- 2 lb. gnocchi (frozen or dried)
- 1/2 c. butter
- 4 T. olive oil
- 1/2 c. white wine
- 1 t. garlic powder
- 1/4 t. salt
- 1/4 t. ground pepper
- 1/4 t. lemon pepper
- 1/4 t. Italian seasoning (optional)

Boil 4 quarts of water. Add gnocchi and cook for 3 to 4 minutes, until done. Drain. Meanwhile, melt butter and oil in large skillet. Add shrimp and cook until pink. Mix in wine and spices and simmer for about 5 minutes. Mix shrimp with gnocchi and serve warm.

Jennifer Sylvester, Sand Lake

Fish Tacos

- 1/2 c. sour cream
- 1/2 c. mayonnaise
- 1/4 c. fresh cilantro, chopped
- 1 package taco seasoning mix, divided
- 1 lb. cod or whitefish fillet, cut in 1-inch pieces
- 2 T. vegetable oil
- 2 T. lemon juice
- 1 (12 count) package taco shells or flour tortillas, warmed

Toppings:

- shredded cabbage
- chopped tomato
- lime juice
- taco sauce

Combine sour cream, mayonnaise, cilantro, and 2 tablespoons seasoning mix in small bowl. Combine fish, oil, lemon juice and remaining seasoning mix in medium bowl; pour into large skillet. Cook, stirring constantly over medium heat for 4 or 5 minutes, or until cod flakes easily with fork. Fill taco shells with fish mixtures. Top with toppings. Serves 6.

Myrna Smith, Walkerville



Visit recipe editor Christin McKamey's new website, veggiechick.com, for healthy, vegetarian recipes and info!

Parmesan Baked Salmon

1/4 c. salad dressing
1/8 t. red pepper flakes
1/2 t. salt

4 1-lb. salmon fillets
2 T. parmesan cheese
2 t. lemon juice
1/2 c. Ritz® cracker crumbs

Mix all ingredients except salmon and cracker crumbs. Place salmon in baking dish. Spread cheese mixture over salmon. Sprinkle with cracker crumbs. Bake at 400° for 12 to 15 minutes, or until salmon flakes easily.

Arlene Yoder, Scottville

Seafood Lasagna

1 garlic clove, minced
1/2 lb. crab, cooked, shred as bite-size pieces
10 ozs. shrimp, cooked (if large shrimp are used, cut into bite-size pieces)

3 T. butter
3 T. flour
1 t. Italian seasoning
1/8 t. pepper
1 c. milk

1 c. chicken broth
1 c. ricotta cheese
2 t. lemon peel
1 T. lemon juice
5 lasagna noodles

3/4 c. shredded parmesan cheese, divided
Heat oven to 375°. Lightly butter the bottom and sides of an 8- or 9-inch baking dish. Set aside. Cook garlic in butter over medium heat, until soft, approximately 1 minute; stir while cooking. Remove from heat and stir in flour, Italian seasoning and pepper, until sauce is smooth. Gradually stir in milk and broth until smooth; heat to boil over medium heat, stirring frequently. Boil and stir 1 minute; remove from heat.

Gently fold cooked shrimp and crab into the sauce. Divide the sauce into fourths; set aside. In a separate bowl, combine ricotta and lemon juice; set aside. Cook noodles per directions on the box; drain and cut each noodle in half.

Spread one-fourth of the cooked sauce in bottom of greased baking dish. Lay three noodle pieces over the sauce and top with 1/2 cup of the ricotta mix, one fourth of the seafood sauce, and 1/4 cup parmesan cheese. Repeat, covering noodles with ricotta mixture, sauce and cheese. Top with another 3 noodle pieces and remaining seafood sauce. Cover with foil and bake for 30 minutes. Uncover and top the lasagna with the remaining 1/4 cup parmesan cheese. Bake 10 minutes more to melt cheese. Remove the baked lasagna from the oven, or place it under

the broiler, briefly, until lightly brown. Let it rest a few minutes before serving.

Debbie Coombs, Wayland

Easy Clam Chowder

3 slices of bacon, diced
1 c. diced onion
3 c. diced potatoes
1 8-oz. bottle clam juice
1 t. salt
1/4 t. pepper
2 bay leaves
2 dashes hot sauce
2 7-oz. cans minced clams
3 T. flour
1 1/2 c. half and half
1 1/2 c. whole milk

In a Dutch oven, cook bacon until crisp. Remove with a slotted spoon and drain on paper towels. Add the onion to the bacon drippings and sauté until softened. Add potatoes, clam juice, salt, pepper, bay leaves and hot sauce. Cover and simmer for about 15 minutes, or until potatoes are tender; remove from heat and add clams (with their liquid). Whisk the flour into the milk and add to the chowder, then add the half and half. Cook over medium heat, stirring constantly, until chowder thickens and bubbles. Remove the

bay leaves prior to serving. Garnish with a dollop of sour cream and chopped fresh chives (if desired). Serves 4.

Leanne Walling, Munising

Fool-Proof Shrimp Creole

2 T. olive oil
1/2 c. onion
1/2 c. green pepper
1/2 c. celery
1 t. chili powder
1 14-oz. can diced tomatoes
1 8-oz. can tomato sauce
1 T. tabasco sauce
1 T. Worcestershire® sauce
1 t. white sugar
salt and pepper to taste
1 1/2 lbs. raw shrimp, peeled and deveined
cooked rice
chopped green onions

Heat olive oil in skillet. Add onion, green pepper and celery; cook until softened. Add chili powder. Transfer all to slow cooker and add tomatoes, tomato sauce, tabasco, Worcestershire, sugar, salt and pepper. Cook on high 3 hours. Add shrimp and cook 3 minutes. Serve over rice and garnish with chopped green onions.

Tommy Schmidt, Union



Crab Cakes with Lime Sauce

Submit your recipe! Contributors whose recipes we print in 2013 will be entered in a drawing to win a prize: *Country Lines* will pay their January 2014 electric bill (up to \$200)! The 2013 winner will be announced in the Jan. 2014 issue.

Thanks to all who send in recipes! Please send in **"Holiday Desserts"** by **Aug. 10** and **"Shakes & Smoothies"** by **Oct. 10**.

Mail to: Country Lines Recipes, 2859 W. Jolly Rd., Okemos, MI 48864; or email recipes@countrylines.com.



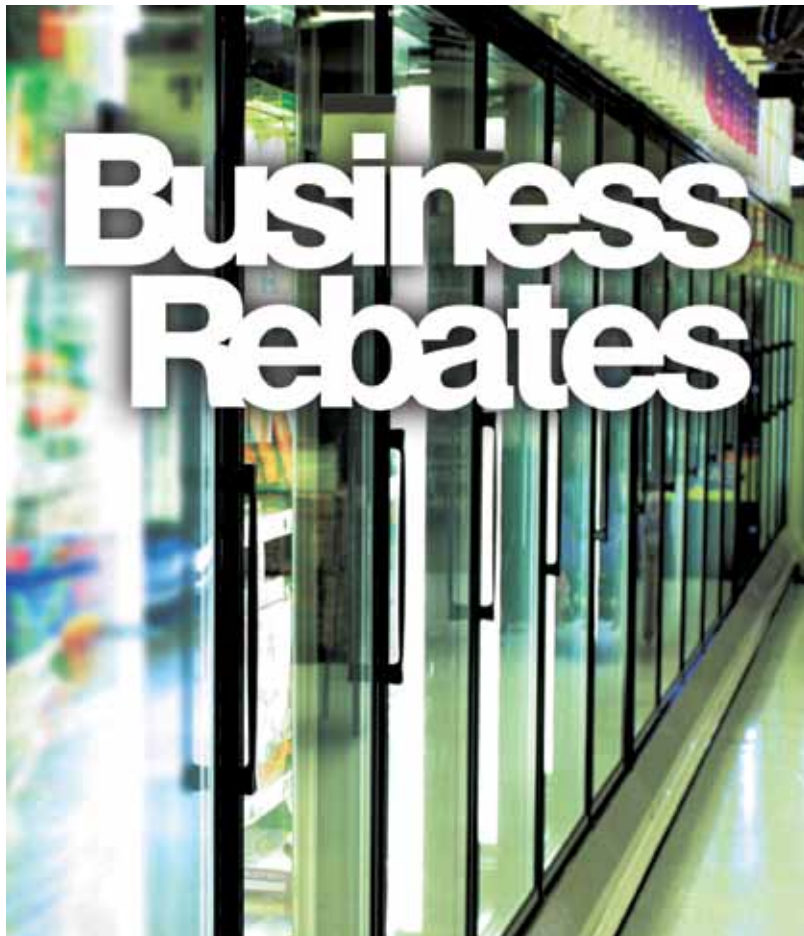
Spreading the Word – Energy Optimization Trade Ally Service Representative Brian Crawford (L) explains the product rebates available to John Goble (middle) from Timberline Electric and Brandon Wyckoff (R) of All-Phase Electric Supply Company. The co-op hosted a *Lunch & Learn* seminar for local contractors in Sault Ste. Marie. Are you a contractor? To be listed as a *Trade Ally* and get the latest news on rebates, register today at michigan-energy.org.

Business Rebates for Past Projects

If you completed an energy efficiency project last year and you weren't aware of our business rebates, it's not too late!

Typically, Energy Optimization rebate applications must be submitted within 30 days of a project's completion. The Energy Optimization program will now accept applications for energy efficient qualifying products installed within the past 24 months. The website (michigan-energy.org) provides a complete product list of qualified lighting and commercial and industrial equipment. Eligibility requirements are included on all rebate applications. The Energy Optimization team can also answer your questions about whether or not your equipment qualifies for specific rebates.

Pre-approvals are not required for a rebate submittal, but we recommend that custom (non-standard) projects receive pre-approval. Find all the details at michigan-energy.org or call 877-296-4319.



Reduce energy costs.

“Close the refrigerator!” Remember hearing that as a kid? No one likes wasting energy. The same principle goes for commercial refrigeration. Earn **thousands of dollars in Energy Optimization rebates for your business** when you implement anti-sweat controls, in-case LED lighting, efficient cooler fan motors and more.

ENERGY TIP: Energy-efficient commercial refrigerators can use up to 35% less energy per year.

ONLINE: michigan-energy.org PHONE: 877.296.4319



Energy Optimization programs and incentives are applicable to Michigan service locations only. Other restrictions may apply. For a complete list of participating utilities, visit michigan-energy.org.

Energy Optimization Program Is Proven Winner With Businesses

Banks Hardwoods, the latest to take advantage, plans future energy-saving projects.

Banks Hardwoods Inc., headquartered in White Pigeon, MI, with additional facilities in Newberry, and Menomonie, WI, is a supplier of sustainable, quality hardwood lumber. The company ships about 65 million board feet annually from its 28 drying kilns to customers making a variety of products, including moulding and furniture, throughout the Midwest. And, like most small to medium-size businesses, they are always on the hunt for energy efficiency and cost-effectiveness. Addressing energy waste has proved to be a viable way for them to cut costs without cutting jobs.

“Energy use is our largest variable expense after employee wages. We needed to be more efficient with our variable costs so we wouldn’t be negatively affected during the down economy,” explains Jim Clarke, the company’s chief financial officer. “Becoming more energy efficient also better aligns with our other sustainable business practices, like utilizing wind energy credits and selecting sustainable timber for our product lines.”

Since 2010, Banks Hardwoods has implemented three major energy efficiency projects through the Energy Optimization Commercial and Industrial program offered by Midwest Energy Cooperative. Twelve electricity providers throughout Michigan offer Energy Optimization (EO) rebate programs for residents, businesses and farms (visit michigan-energy.org to see all participating utilities).

Thanks to the Energy Optimization program, Banks Hardwoods now saves 256,000 kilowatt hours (kWh) or \$24,000 in energy costs every year!

Project Details

Banks Hardwoods chose projects that would have the biggest impact on their expenses. First, they replaced 18 high-bay HID (high intensity discharge) light fixtures with 6-lamp T8 fluorescent fixtures. Next, their kiln fan controls were upgraded with variable speed drives. This simple step not only proved to be more energy efficient, but provided a higher quality wood-drying process. They also outfitted the combustion draft fans on one of their wood-fired boilers with variable speed drives to allow the fans to run at a rate consistent with demand. In other words, fans no longer run full-speed all of the time.

“The energy savings from these projects have substantially exceeded our expectations,” notes Clarke. “We are saving 25 to 30 percent on energy costs associated with the project work areas, so we are very pleased.”

Looking Ahead

Now that Banks Hardwoods has seen a significant return on investment from its energy-saving efforts, they plan to keep going, and three more projects are underway. They will add variable speed drives to seven more wood-drying kilns and another boiler, and are experimenting with replacing outdoor HID lights with light emitting diode (LED) fixtures. Occupancy sensors installed throughout the plant will automatically shut off lights if no one is in a particular area.

The company also intends to improve the energy efficiency of their two satellite facilities, most likely starting with lighting retrofits at the Newberry



Co-op Member Spotlight

Company: Banks Hardwoods Inc.

Energy-Saving Actions:

- ▲ Replaced high-bay high intensity discharge (HID) light fixtures with T8 fluorescents
- ▲ Installed variable frequency drives (VFDs) on four boiler fan motors
- ▲ Added VFDs on circulation fan motors for six kilns

Rebate Amount: ▲ \$17,160

Results:

- ▲ Stopped wasting 256,000 kWh of electricity per year
- ▲ Saving \$24,000 in energy costs per year



Jim Clarke, CFO

plant, which is served by Cloverland Electric Cooperative. Another project they are considering is adding variable controls to their dust collection system in the mill room, which would allow the system to slow down based on the equipment that is operating at any given time.

Claim Your Reward

Find out how saving energy can benefit your business. There are programs and rebates with your name on them. Call 877-296-4319 or visit michigan-energy.org to discover energy-saving options that are ideal for your business, farm or home.



Update:

Presque Isle Power Plant Partnership

Wolverine Power Cooperative (Cadillac, MI) and We Energies (Milwaukee, WI) have received regulatory approvals from three agencies for their partnership at the Presque Isle Power Plant in Marquette, MI. The Michigan Public Service Commission, Public Service Commission of Wisconsin and Federal Energy Regulatory Commission have approved the partnership between the two companies.

Two additional approvals are needed before proceeding with the construction of an air quality control system (AQCS) at the power plant. Wolverine and We Energies are required to obtain approval from the Federal Trade Commission for the transaction. The Michigan Department of Environmental Quality (MDEQ) must also approve an air quality permit for the construction project.

“MDEQ staff members are currently reviewing the permit application,” reports Brian Warner, Wolverine’s vice president of environmental strategy. “We are working closely with them and anticipate a draft permit will be issued later this summer.”

Once a draft air permit for the AQCS is issued, the MDEQ will accept written comments from the public and schedule a hearing in Marquette to provide an oppor-

If all regulatory approvals are received, Wolverine will invest in construction of the air quality control system. In return, the cooperative will own approximately 30 percent of the plant’s output.

tunity for additional comments.

“After the hearing, all comments received will be reviewed by the MDEQ, and a decision to approve or deny the permit will be made before the end of the year,” Warner explains.

If all regulatory approvals are received, Wolverine will invest in construction of the AQCS. In return, the cooperative will own approximately 30 percent of the plant’s output. We Energies and its employees will operate both the plant and new AQCS.

The project is proceeding according to the timeline anticipated by Wolverine and We Energies. The companies expected regulatory approvals to take the majority of 2013. Construction of the AQCS is slated for 2014 and 2015, and operation of the

plant with the new controls is scheduled for 2016.

“The new controls will meet state and federal air quality requirements and ensure continued operation of an important source of electric generation in Michigan’s Upper Peninsula,” Warner says. “The Presque Isle Plant is key to electric reliability in northern Michigan.”

Michigan Gov. Rick Snyder voiced support for the project in November 2012 at a news conference held by Wolverine and We Energies in Marquette to announce the partnership.

“The partnership of We Energies and Wolverine Power Cooperative to keep the Presque Isle Power Plant open is good news for the current and future availability of a reliable electric supply for businesses and residents in the Upper Peninsula,” Snyder said. “The agreement will also be good for the economy with more than 100 workers remaining on the job, and for the environment with the plant’s new state-of-the-art emissions equipment.”

The Presque Isle Plant, located on the Lake Superior shore, consists of five coal-fueled units capable of generating approximately 344 megawatts as currently operated. The units were built between 1974 and 1979.

What Do You Need From Extra AC?

Ask yourself what you want from a supplemental air-conditioning unit before buying one—window units and mini-split heat pumps both have good qualities.

Q: *We added a room, but our central air conditioner doesn't cool it well. Our second-floor master bedroom also does not stay cool. Does it make more sense to install a window air conditioner or a mini-split system?*

A: This is a common problem, especially for second-floor rooms. Cool air is denser than warm air, so it can drop to the first floor through cracks, gaps and stairs. Second-floor ceilings are also exposed to the hot underside of the roof, and tend to stay warm well into the evening.

Whether you install a mini-split heat pump or a window air conditioner depends on what you need and want. Most people install a window air conditioner to provide extra cooling in a room at a low initial cost, and energy efficiency is not their primary concern. Mini-split heat pumps offer many bonus features (heating and cooling, quiet operation, flexible installation, control) and increased efficiency, but at a higher initial cost.

The main drawback for mini-split heat pumps is cost. A window unit generally sells for under \$300; mini-splits can run to \$1,000 or more, plus the installation cost. Also, unlike a window unit, mini-splits can't be moved once they are installed.

I have a two-story house with a central heat pump. I recently installed an LG Art Cool® mini-split system in the master bedroom. I selected the smaller output 9,000 Btu-per-hour model, which has a seasonal energy efficiency ratio (SEER) of 28 and inverter compressor technology—twice as efficient as the central heat pump. I chose the heat pump version so it can also heat efficiently during winter.

A window air conditioner has all its components—compressor, air circulation fan, condenser fan, etc.—in the cabinet mounted in the window. While it is insulated against heat flow and sound, it still is not ideal for energy efficiency. The newest ones are fairly

quiet, but may still be annoying in a bedroom. When it's not running, more outdoor road noise can also be heard.

A mini-split system is similar to a central air conditioner or heat pump, with the condenser fan, coils and compressor in an outdoor unit, which is flat and small. Mine is mounted high on the garage wall so I can walk under it on an existing walkway.

Some models allow the outdoor unit to be placed up to 100 feet from the room or group of rooms to be cooled or heated. This virtually eliminates indoor noise pollution from these components.

Instead of having the indoor cooling coil in an air-duct system, as with most central air conditioners, the coil is mounted in a fan unit on the wall or ceiling of the room. It's connected to the outdoor unit by refrigerant and electric lines. Only a 3-inch-diameter hole needs to be cut through the wall, and the condensate drain from the evaporator coils can go out through the same hole.

Mini-split systems can also be used to cool an entire house by installing indoor wall units in several rooms. The conditioned air will naturally circulate throughout the house. This is commonly used in homes with baseboard electric or hydronic heat, which lacks a duct system. Installing a duct system for central air-conditioning in an existing two-story house can be an expensive project.

In addition to the high SEER rating, installing a mini-split unit allows for zone cooling of your house, which can also lower your electric bill. In my case, there's no need to keep the downstairs cool all night when I'm in the upstairs bedroom. The mini-split system allows me to set the central heat pump thermostat higher at night so it runs very little. This provides substantial electric-ity savings.

Inverter compressor technology is the newest, most efficient trend in air conditioning. The compressor runs at variable speeds to provide for variable cooling output. Once the room cools down to the thermostat setting,



The indoor fan/coil unit is mounted high on the bedroom wall.

the inverter compressor speed slows to keep the room at that temperature.

The remote control has several modes of operation, including a dehumidification setting for summer, which slows the fan speed so the indoor air is dehumidified more than it is cooled. This is ideal for allergy sufferers who are sensitive to high humidity but don't want a cold room.

There's also a "jet" setting that switches either the heating or cooling mode output and fan speed to high for changing the temperature quickly. This conserves energy because you can turn it on only when you use a particular room instead of keeping the room hot or cold continuously.

To learn more, visit:

- energy.gov/energysaver/articles/ductless-mini-split-heat-pumps and
- energystar.gov > Products > Find ENERGY STAR Products > Ductless Heating and Cooling

Companies offering mini-split units:

- **Carrier**, 800-227-7437, carrier.com
- **Fujitsu General**, 888-888-3424, fujitsugeneral.com
- **LG**, 888-865-3026, lg-dfs.com
- **Mitsubishi Electric**, 800-433-4822, mehvac.com
- **Samsung**, 888-699-4351, quietside.com

Send inquiries to James Dulley, Michigan Country Lines, 6906 Royalgreen Dr., Cincinnati, OH 45244 or visit dulley.com.

James Dulley is a nationally recognized mechanical engineer writing about home energy issues for the National Rural Electric Cooperative Association.



STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

NOTICE OF HEARING FOR THE CUSTOMERS OF CLOVERLAND ELECTRIC COOPERATIVE CASE NO. U-16885-R

- Cloverland Electric Cooperative requests Michigan Public Service Commission approval to reconcile its 2012 power supply cost recovery costs and revenues.
- The information below describes how a person may participate in this case.
- You may call or write Cloverland Electric Cooperative, 2916 West M-28, Dafter, Michigan 49724, or 725 East Portage Avenue, Sault Ste. Marie, Michigan 49783, (800) 562-4953 for a free copy of its application. Any person may review the application at the offices of Cloverland Electric Cooperative.
- The first public hearing in this matter will be held:

DATE/TIME: August 6, 2013, at 9:00 a.m. This hearing will be a prehearing conference to set future hearing dates and decide other procedural matters.

BEFORE: Administrative Law Judge Mark E. Cummins

LOCATION: Constitution Hall, 525 West Allegan, Lansing, Michigan

PARTICIPATION: Any interested person may attend and participate. The hearing site is accessible, including handicapped parking. Persons needing any accommodation to participate should contact the Commission's Executive Secretary at (517) 241-6160 in advance to request mobility, visual, hearing or other assistance.

The Michigan Public Service Commission (Commission) will hold a public hearing to consider the April 30, 2013 application of Cloverland Electric Cooperative (Cloverland) to reconcile its 2012 power supply cost recovery (PSCR) costs and revenues. With respect to its Edison Sault legacy service territory, Cloverland represents that its 2012 net overrecovery is \$263,469, including prior years' balances. With respect to its Cloverland legacy service territory, Cloverland represents that its 2012 net overrecovery is \$82,490, including prior years' balances. On April 23, 2013, Cloverland filed a Motion to Suspend its Times Interest Earned Ratio (TIER) ratemaking filing requirement for the 12-months ended December 31, 2012.

All documents filed in this case shall be submitted electronically through the Commission's E-Dockets website at: michigan.gov/mpscedockets. Requirements and instructions for filing can be found in the User Manual on the E-Dockets help page. Documents may also be submitted, in Word or PDF format, as an attachment to an email sent to: mpscedockets@michigan.gov. If you require assistance prior to e-filing, contact Commission staff at (517) 241-6180 or by email at mpscedockets@michigan.gov.

Any person wishing to intervene and become a party to the case shall electronically file a petition to intervene with this Commission by July 30, 2013. (Interested persons may elect to file using the traditional paper format.) The proof of service shall indicate service upon Cloverland's attorney, Albert Ernst, at Dykema Gossett PLLC, Capitol View, 201 Townsend Street, Suite 900, Lansing, Michigan 48933.

Any person wishing to make a statement of position without becoming a party to the case, may participate by filing an appearance. To file an appearance, the individual must attend the hearing and advise the presiding administrative law judge of his or her wish to make a statement of position. All information submitted to the Commission in this matter will become public information: available on the Michigan Public Service Commission's website, and subject to disclosure.

Requests for adjournment must be made pursuant to the Commission's Rules of Practice and Procedure R 460.17315 and R 460.17335. Requests for further information on adjournment should be directed to (517) 241-6060.

A copy of Cloverland's request may be reviewed on the Commission's website at: michigan.gov/mpscedockets, and at the offices of Cloverland Electric Cooperative, 2916 West M-28, Dafter, MI or 725 East Portage Avenue, Sault Ste. Marie, Michigan 49783. For more information on how to participate in a case, you may contact the Commission at the above address or by telephone at (517) 241-6180.

Jurisdiction is pursuant to 1909 PA 106, as amended, MCL 460.551 et seq.; 1919 PA 419, as amended, MCL 460.54 et seq.; 1939 PA 3, as amended, MCL 460.1 et seq.; 1982 PA 304, as amended, MCL 460.6h et seq.; 1969 PA 306, as amended, MCL 24.201 et seq.; and the Commission's Rules of Practice and Procedure, as amended, 1999 AC, R 460.17101 et seq.



Know Your Pole – Cloverland Electric Co-op summer employee Andy Markstrom tacks new identification numbers to a utility pole in Sault Ste. Marie. The letters represent the substation, and the following number identifies the supporting circuit. The bottom numbers further assist lineworkers with pinpointing the specific location. The co-op will finish re-numbering legacy Edison Sault poles later this summer and will soon have a uniform pole numbering system across its service area.



Dorianne Shaffer and Jeffrey Bomber are the recipients of Cloverland Electric Cooperative's Power of Excellence scholarship. Both students will receive a \$1,500 scholarship for use at an accredited university, college or vocational/technical school.



Dorianne Shaffer

Jeffrey Bomber

Dorianne is a Brimley High School graduate and plans to pursue a political science degree at Lake Superior State University.

Jeffrey is a graduate of Engadine High School and will attend Central Michigan University to study pre-medicine.

This year's scholarship essay asked students to describe the changes they would recommend to their school for using electricity more efficiently.

Since 2002, 47 students have benefited from Cloverland's scholarship program and received more than \$25,000 in college assistance.

Names & Faces

Gregg Hoolsema (L) was hired as a system controller. **Scott LaFave** (R) joined the co-op in April as an electronic technician and is working out of our Dafter office.

Staking Technician **Dennis Foltz** relocated from the Newberry office to St. Ignace. System controller **Joe Coullard** retired in June after 42 years of service.



Youth Tour

Jameson Pigeau, of Paradise, represented Cloverland Electric at the National Rural Electric Youth Tour held June 15-20 in Washington, D.C. Jameson was awarded the all-expense-paid trip after attending this year's Youth Leadership Summit (YLS) in April. Each year, Cloverland selects one YLS participant to attend the youth tour. (See p. 6 for more on these co-op sponsored youth programs.)

Independence



The boy stood on second base waiting for the next batter to get to the plate. He looked towards the outfield and saw a bunch of boys slow their bikes, watching the game from the sidewalk that circled the ball field. Then the chatter started. “Hey batter, batter, batter. Can’t hit, batter, batter, can’t hit, batter, batter.”

There were 14 boys on the field, each team playing without a shortstop and with only two outfielders. The boys, mainly 5th and 6th graders, played baseball every day, all summer long, from morning to night, in this neighborhood park within a few blocks of their homes.

This game was stretching into twilight, with the sun pushing long shadows from the stately elms and maples out past the pitcher’s mound and second base and into center field. There were no lights for the field and it was getting hard to see the ball, no longer white from all the dirt rubbed in it. This would probably be the last inning.

The boy edged off second and joined his teammates in calling for the batter to get a hit. “Watch the ball, watch the ball, get a hit, c’mon, get a hit.”

The volume picked up as both sides kept up the chatter. Then it dropped. Slowed. Stopped. The boy on second base turned around to see that the boys with the bikes were riding right through the outfield, toward the diamond and toward him.

These were the boys from Jesseville, older, bigger and tougher. They had a reputation. It wasn’t good. The boy didn’t move, while the rest of the players gathered in a clump around third base. “What are you guys up to?” asked the tallest interloper.

“What does it look like?” answered the boy.

“Oh, a smartass. Just how smart do you think you are?” asked the tough kid with his shirt collar up as he pushed into the boy’s chest, knocking him to the ground. He straddled the boy’s chest and pinned his arms with his knees, then grabbed a handful of dirt from the base path and rubbed it in his face. “That’ll teach you,” he said.

The boy heard his tormentor’s four friends chanting obscenities above him, but heard nothing from his friends, the other players.

When he was finally let up, the Jesseville boys, outnumbered but unchallenged, taunted the remaining players still huddled around third base and then found their bikes and rode off.

It was near dark. The players walked over to see if the boy was okay. He pushed through them and went to find his glove. The game was over and he wanted to go home. One of the players came to him.

“I tried to get the rest of them to help,” he said, “but couldn’t get them to.”

This wouldn’t have happened in daytime, the boy thought. His grandfather was filling out the last years of his work life as the park’s caretaker, so he quietly watched over the boy, who spent almost every waking moment of many summers in the park, where there were often city-

sponsored activities for kids. The boy was always aware of his grandfather (who never interfered with what the boy did) but didn’t pay much attention to him. He was known as “Parkman” to the kids who lived near close by (something the boy didn’t know until years later). He was a thin, kind man who took care of this block of green as if he were tending his own garden. (In the boy’s earliest memory he is kneeling in a strawberry patch, picking and eating the red fruit while the old man tilled with a hoe the large garden around him.)

In the evenings, though, he was on his own, left to fend for himself like all of the other kids always were.

He found his old Schwinn, hung his glove on the handle bar, and rode through the dark out of the park and then four blocks home.

Later, as he was lying on the living room floor playing a dice baseball game he had created with friends, his mother asked him what happened at the park.

“I got in a fight,” he said.

“Did you get hurt?” she asked.

“I’m okay,” he sobbed.

Then, life changed when Little League came to town. The summer days of care-free wandering, pickup games and learning the ways of the world on your own turned into structure, uniforms and adult supervision. We gave up the freedom to grow for the safety of organization.

Mike Buda is editor emeritus of *Country Lines*. Email him at mike.f.buda@gmail.com or comment on his columns at countrylines.com/ramblings





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Choose from more than 50 of our most popular Energy Optimization REBATES including:

- ★ **\$30** Recycle an old, working second refrigerator/freezer
- ★ **\$50** Upgrade to a .93 EF electric water heater
- ★ **\$20** Buy an ENERGY STAR® room air conditioner, dehumidifier or refrigerator
- ★ **\$25** Purchase a new clothes washer (ENERGY STAR) or clothes dryer
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