# MICHIGAN COUNTRY LINES





#### ABANDONS ALL-OF-THE ABOVE

The Administration is reversing course ditching our All-of-the-Above energy strategy for an All-But-One approach that bons new coal plants.



#### **TECHNOLOGY GAMBLE**

New regulations essentially require technology that's **not commercially viable and prohibitively expensive**—leading to higher bills down the line.

# TOP4FACTS

ABOUT THE EPA'S NEW CLIMATE REGULATIONS

3.



# LIMITS ACCESS TO AFFORDABLE, DOMESTIC ENERGY

By barroing new coal plants, Americans forfeit a 236-year domestic source of energy with a historically stable once.

4.



#### HISTORY REPEATS: ALL-BUT-ONE DOESN'T WORK

A 1978 mandate prevented use of natural gas & forced utilities into coal or nuclear before common sense prevailed and it was repealed 9 years later.



Visit ACTION.COOP today to send a message to the EPA January 2014 Vol. 34, No. 1

**Executive Editor Casey Clark** 

Editor **Gail Knudtson** 

Publisher

**Michigan Electric** Cooperative **Association** 

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**POSTMASTER: SEND ALL UAA** 

Letters to the editor should be sent to Country Lines, 2859 W. Jolly Rd., Okemos, MI 48864. Phone 517-913-3531. Email: gknudtson@ meca.coop.

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Change of Address: Please notify your electric cooperative. See page 4 for contact information.





# Michigan COUNTRY LINES

# THIS ISSUE

**HOME COOKING** Cooking for One **Christin McKamey** & Our Readers



**OUR ENERGY** 

**Generation Series:** Time-Tested Renewable Hydropower



**COVER STORY** 

Shaggy's Makes Cool Skis



**SAFETY** 

How to Stay Safe With Electricity: At-home & Away



**READERS' PAGE** 

Ramblings, Mike Buda, Quilt, Mystery Photo, Letters





ON THE COVER

John (L-R), Shari and Jeff Thompson have made over 1,000 pairs of skis at their family shop, Shaggy's Copper Country Skis, in Boyne City. Featured are their "Brockway" model, and the best-selling "Tubby" (red) all-mountain ski. They have also started making skateboards, and are members of Great Lakes Energy Cooperative.

Photo - Roger Boettcher, Leavenworth Photographics



Michigan's Electric Cooperatives countrylines.com



#### Thumb Electric Cooperative

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E-mail: tec@tecmi.coop www.tecmi.coop

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**Louis Wenzlaff** President Kingston

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#### **PAYMENT STATIONS**

#### **Huron County**

Bad Axe - Northstar Bank Pigeon - Northstar Bank

#### **Tuscola County**

Akron - Northstar Bank Caro - Northstar Bank Mayville - Mayville State Bank Millington - Mayville State Bank

Visit Thumb Electric's website:

www.tecmi.coop

# MDEQ to Update 'Fracking' Regulations

our electric co-op is not involved with "fracking," but I wanted to share the following article from the

Michigan Department of Environmental Quality (DEQ) with you for a couple reasons.

First, fracking and the resulting extraction of these reserves of natural gas results in lower costs to produce electricity from gas-fired generating facilities.

Secondly, there are many property owners in the Thumb Area that have already leased or are contemplating leasing their property for gas exploration. Fracking has been used safely for decades, and with the abundant reserves

of gas under our feet, I am sure this will be a front burner issue for awhile.

The DEQ reports that it is crafting new rules

for hydraulic fracturing (a process commonly

used to develop natural gas and oil wells),

with a central focus on increased public

reporting and water quality monitoring.

involves pumping water, sand and chemicals

into a drilled oil or gas well, then sealing and

pressurizing it to crack layers of rock far below

production and access oil and gas reserves not available through conventional drilling alone.

Fracturing was first employed in Michigan in 1952 and has been used by oil and gas com-

panies on more than 12,000 wells throughout

the Lower Peninsula with no recorded inci-

development. The DEQ periodically updates

its regulations to reflect changes in technology

Agency leaders have been working throughout the past year with residents and stakeholders from the environmental community to better understand key concerns. DEQ regulators have

Michigan has some of the nation's most protective regulations governing oil and gas

dents of contaminating groundwater.

"Hydraulic fracturing, also called fracking,

What Michigan's DEQ Says

Specifically, the report states:

the surface and release gas and oil.



**Dallas Braun** General Manager

"We heard loud and clear that there is a growing concern about fracturing," explains DEQ Director Dan Wyant. "We are proud

of the DEQ's regulatory track record, but we want Michiganders to know that hydraulic fracturing is managed well when it is used in Michigan. These rule changes allow everyone to better understand fracturing, and how the DEQ is keeping Michigan's resources safe during gas and oil development."

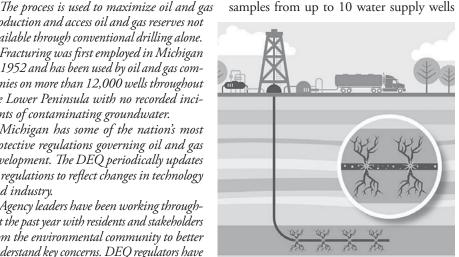
The proposed changes include four key areas:

1. Water withdrawal assessment and monitoring. Permit applicants will be required to use the state's water withdrawal assessment tool. Withdrawals will not be approved if the tool or a site-specific review indicates the withdrawal may cause an adverse impact to rivers or streams.

While use of the tool is required now by department policy to obtain a permit, several stakeholder groups asked that it be codified in regulations.

In addition, if there is a water supply well within 1,320 feet of a proposed withdrawal, the operator must install a monitor well and report water levels. The rules will set specifications for water storage pits.

**2.** Water quality sampling. Oil and gas operators will be required to collect baseline samples from up to 10 water supply wells



Visit tinyurl.com/o2yfr8j or call the MDEQ at 800-662-9278 to learn about fracking and how it's regulated.

hosted or attended more than 200 public meet-

ings around the state during the past two years."

and industry.



#### 2014 Winter **Tree-Trimming Schedule**

Thumb Electric Cooperative's right-ofway clearing program will proceed as weather permits in Sanilac County:

All lines in Washington, Lower Sanilac, Buel, and Lexington townships; Downington and Maple Grove roads in Bridgehampton and Forester townships.

Please call Thumb Electric at 989-658-8571 or 800-327-0166 if you have any auestions or concerns.

within 1,320 feet of gas and oil wells, six months or less before drilling operations begin. Many companies do this voluntarily

- **3. Monitoring and reporting.** Operators will be required to: Identify whether high volume fracturing is expected to be utilized in permit applications for new wells; submit separate applications for HVHF operations on existing wells; notify the DEQ at least 48 hours before starting the operation; and, monitor and report fluid pressures and volumes for all HVHF operations.
- 4. Chemical additive disclosure. Operators will be required to submit information on chemical additives in a HVHF operation using the internet-based FracFocus Chemical Disclosure Registry. The information must include chemical constituents and maximum concentrations. The chemical family and trade name may be used for chemicals with trade secret protection under federal law.

Drafted rules are submitted to the state Joint Committee on Administrative Rules and go through a public review process. The DEQ expects to have the new rules in place this year.

# **Special Election Notice** for TEC Members

In March 2014, a nominating committee of nine Thumb Electric Cooperative members will meet to select a slate of candidates for one director position in each of the three counties served by the cooperative.

Positions currently held by Carl Cousins, Beth McDonald and Duane Kursinsky will be voted on at the 2014 annual meeting.

Any co-op member interested in running for a district director position should write a letter to the Thumb Electric nominating committee chairperson prior to Feb. 10, 2014, indicating his or her interest in being nominated.

The committee will review the prospective nominee's qualifications to determine whether they meet bylaw requirements and whether he or she should be put on the ballot.

If you would like more information, please contact the co-op's general manager, Dallas Braun, at 800-327-0166 or 989-658-8571.



# the date! Annual Meeting Notice

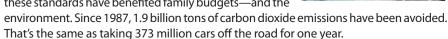
Saturday, June 14, 2014 **Cass City Recreational Park** Business meeting begins at 10 a.m.

## **New Appliances \$ave!**

A new round of energy efficiency standards for various appliances and equipment approved by Congress will save consumers about \$900 billion on their utility bills by 2020, notes the U.S. Department of Energy.

For example, a refrigerator purchased today uses onethird of the energy a 1973 model did—but with 20 percent more storage. Since 1990, new clothes washers use 70 percent less energy and dishwashers 40 percent less.

From microwaves to lightbulbs and commercial freezers, these standards have benefited family budgets—and the



In fact, despite a population increase from 233 million in 1983 to nearly 316 million today, per-home energy consumption has declined in the past 30 years. This is due to energy efficiency advances for space heating, air conditioning, and major appliances, notes the U.S. Energy Information Administration.

As Americans add more electronic gadgets (about 25 on average)—from rampant computer and large-screen TV use to more devices vying for wall outlets—every little bit helps when it comes to saving energy.

Visit michigan-energy.org or TogetherWeSave.com to learn more.





#### **Burrata Caprese with Balsamic** Glaze

1 small loaf of french bread, cut into 1-inch slices, toasted

7-8 grape tomatoes, cut in half

3-4 large basil leaves

1 container burrata (mozzarella filled wit cream) or mozzarella cheese

#### **Balsamic glaze:**

1½ c. balsamic vinegar

½ t. honey

On a plate, arrange bread, tomatoes, basil, and burrata. For glaze, bring balsamic vinegar to a boil in a small saucepan. Reduce to a simmer, and cook until thick and syrupy. Remove from heat and stir in honey. Let cool completely before serving (it will thicken as it sets). You can also use store-bought balsamic glaze which is much easier. On each piece of

#### **Recipe Contest Winner!**



McAfee of Pointe Aux Pins on Bois Blanc Island. Her name was drawn from all readers whose recipes we printed in 2013 and Country Lines magazine will pay her

Congratulations to Chris

January electric bill as a prize.

Chris and her family have been members of Presque Isle Electric & Gas Co-op since the co-op brought electricity to the Island in 1964. She loves her piece of paradise with lots of wonderful people, miles of ATV trails, beautiful woods, and the surrounding crystal-clear water of Lake Huron.

bread, spread the burrata. Add the balsamic glaze, a piece of basil, and top with 2 tomato halves. This is a quick, healthy meal that is perfect for one person. No cooking required. Christin McKamey

#### **Grilled Chicken Nachos**

1 oz. baked tortilla chips 1/4 c. drained, low sodium black beans,

4 oz. grilled lean boneless, skinless chicken breast, cut into small cubes

2 T. salsa con queso

3 T. chopped tomato

2 T. thinly sliced jalapeño pepper

Lay chips on plate. Top them evenly with the beans followed by the grilled chicken. Drizzle the salsa evenly over the top. Top with the tomato and jalapeño slices and serve. Serves 1.

Lorraine Green, South Boardman

#### **Apple Crisp for One**

1 T. quick cooking oats 1 T. brown sugar ½ T. flou dash of cinnamon dash of nutmeg dash of salt ½ T. margarine

1 c. sliced, peeled apples

Combine oats, brown sugar, flou, cinnamon, nutmeg and salt. Cut in margarine with fork until crumbly. Set aside. Place apples in small microwave-safe dish. Top with oat mixture. Microwave on full power, uncovered, 2-4 minutes or until apples are tender, rotating dish once. Serve with frozen yogurt or ice cream, if desired.

Barb Spencer, Petoskey

#### **Curried Chickpea Stew**

1 t. olive oil

1 c. onion, diced

1½ c. carrots, diced

2 cloves garlic, finely dice

1½ -2 T. curry (depending on taste)

1 14.5-oz. can diced tomatoes

1 16-oz. can chickpeas

1½ c. water

1 cube chicken or vegetable bouillon

1 whole chicken breast cut into ½-inch pieces

1 t. sugar

In a 4½-quart stock pot, add ½ c. water, carrots and onions. Simmer until carrots are tender. Add more water if needed, remove carrots and onions. Add olive oil and curry, and heat for 30 seconds or until bubbles appear. Add garlic, remaining water, tomatoes (juice and all), drained chickpeas, chicken



and bouillon cube. Stir until bouillon cube is dissolved. Simmer until chickpeas are tender. Add more water, if needed. Stir vigorously to thicken. Remove from heat, add sugar and butter, stir to dissolve sugar. Garnish with Greek yogurt (optional). This is a delicious, one-pot meal.

Jeff ullen, Bellaire

Photography by: 831 Creative

**Submit your recipe!** Thanks to all who send in recipes! Please send in your favorite "Easter" recipes by Jan. 10 and "Hawaiian Luau" recipes by March 10.

Mail (handwritten or typed on one side, please) to: Country Lines Recipes, 2859 W. Jolly Rd., Okemos, MI 48864; or email recipes@countrylines.com.

Contributors whose recipes we print in 2014 will be entered in a drawing and Country Lines will pay the winner's January 2015 electric bill (up to \$200)!



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

# ENER TIME-TEST

This is fi th in a series on how electricity is generated. The first (January) was about coal, the second about new nuclear options (June), the third about wind (July-August), and the fourth about natural gas (October). Watch future issues for stories about other fuel sources.

nergy from fl wing water has been harnessed and used for over 2,000 years, beginning with the ancient Greeks using water wheels to grind wheat. In the 1880s, converting a rush of water into electricity became a reality in the United States.

Today, hydropower provides about 80,000 megawatts (MW) of capacity in the United States—enough to power over 25 million average homes—and accounts for about 75 percent of all renewable electricity used by co-ops.

But how does it work? Simply, hydropower converts the natural energy of moving water to mechanical energy, using a turbine that is attached to a generator. With these highly efficien turbine-generators doing the job formerly performed by water wheels, electricity fl ws in a number of ways:

**Impoundment**: When most people think of hydropower, dams come to mind. By plugging a river and amassing water in a reservoir, its fl w (and the resulting electricity) can be better controlled and generated as needed.

**Diversion:** Water is channeled away from a river, typically near natural falls, down to generators at the falls' base. This can be done without any visible impact to a river's natural course. In fact, this kind of generation was used to bring electricity to Buffalo NY, from Niagara Falls in the late 1800s.

Pumped storage: This method essentially uses off-peak electricity to make electricity for use during times of high consumption. Two reservoirs are filled, one typically uphill from the other, with an electric pump/

generator in between. At night, when demand is low and electricity less expensive, water from the lower reservoir is pumped uphill. During the day, when demand for power increases, that water is released down through the generator to make electricity.

Over 600 electric co-ops across the country buy power from 134 federally-owned and operated dams, most of which were built between the late 1930s and early '60s. Despite the incredible importance of these resources, maintenance has lagged in recent years and created room for improvement.

Electric co-ops are making efforts to address this problem, advocating that the government set aside funds to repair and maintain the dams and turbines. Researchers are also looking to create more efficien and fish-friendly ways to generate hydropower. Careful studies of aquatic environments have given dam operators a better idea of how to simulate a natural river downstream.

A 2012 report from the U.S. Depart-

ment of Energy (DOE) revealed many of the nation's dams hold untapped power. Roughly 2,500 provide conventional and pumped-storage hydropower in the United States. But the vast majority of dams – some 80,000, ranging from 4 to 770-feet-high - are non-powered. The DOE analyzed 54,391 of them.

Locks and dams on the Ohio, Mississippi, Alabama and Arkansas rivers facilities owned and operated by the U.S. Army Corps of Engineers – offer the most untapped potential. The top 10 sites alone could provide about 3,000 MW.

"Many of these dams could be converted to generate electricity with minimal impact to critical species, habitats, parks or wilderness areas," the DOE report states.

Co-ops' effo ts in pushing for increased maintenance and technology development will ensure that hydropower remains a reliable, affo dable, renewable resource for decades to come.



Cloverland Electric Cooperative's hydroelectric plant in Sault Ste. Marie generates between 25 and 30 megawatts of electricity. Clean, renewable hydro makes up nearly 35 percent of the co-op's fuel mix. To see a recent chart showing what your electric co-op's fuel mix is, visit countrylines.com and click on the co-op name and then click the Sept. 2013 issue.



Call the energy experts at Thumb Electric Cooperative today for your free in-home analysis. We offer energy efficiency loans up to \$15,000 at 7 percent interest, payable over 7 years, to qualified members.



989-658-8571 or 800-327-0166

## Renewable Geothermal Heat

Geothermal is a simple technology that uses the earth's renewable energy to provide high-efficiency heating and cooling. In winter, the system draws heat from the ground and transfers it to your home. In summer, it extracts heat from your home and transfers it to the ground. **Contact the energy experts at Thumb** Electric Cooperative at 800-327-0166 for honest answers on your energy choices, or call any of the trained and certified installers listed here.



**All-Temperature Geothermal Systems** 1103 E. Caro Rd., Caro, MI 48723 989-673-5557

Ameriheat, Justin Faber 2891 E. Forester Rd., Deckerville, MI 48427 810-376-4534

**B & D Heating, Cooling & Plumbing** 1148 North Van Dyke, Bad Axe, MI 48413 800-515-1117

**Burkhard Plumbing & Heating** 638 E. Huron Ave., Bad Axe, MI 48413 989-269-7532

**Certified Temperature Innovations** 3107 Custer Rd., Carsonville, MI 48419 810-300-7748

Cosenza Plumbing & Heating, Inc. 6725 E. Sanilac Rd., Port Sanilac, MI 48469 810-622-8347

ES Sheetmetal, Gene Root 9450 Belsay, Millington, MI 48746 989-871-2067

Geo Renew Systems, Inc. 3045 Grange Hall Rd., #7, Holly, MI 48442 248-531-0325

Geomasters, Inc., Plumbing & Heating 57 Ward St., Croswell, MI 48422 810-679-2251

**Geothermal Systems of Lapeer, LLC** 6689 Orchard Lk. Rd. #188 West Bloomfield, MI 48322, 810-240-2116

**Holland Heating and Cooling** 9160 Lapeer Rd., Davison, MI 48423 810-653-4328

**Ingell Refrigeration** 1115 4th St., Port Huron, MI 48060 810-982-4226

J & B Plumbing & Heating 7641 Pigeon Rd., Pigeon, MI 48755 989-453-3931

**Jack McCain Plumbing & Heating** 9651 Weale Rd., Bay Port, MI 48720 989-453-2277

Kowaleski Heating & Cooling, LLC 3977 Ruppel Rd., Port Hope, MI 48468 989-428-3371

**Kulek Heating & Air Conditioning** 

14421 Jeddo Rd., Yale, MI 48097 810-387-4452

**Kundinger & Kroll** 31 E. Main St., Sebewaing, MI 48759 989-883-2770

Lakeshore Improvements Plumbing & Heating 7825 Big Gulley Rd., Palms, MI 48465 989-864-3833

**Michigan Energy Services** 8445 Main St., Whitmore Lake, MI 48189 888-339-7700

NRG Control 3690 Washburn Rd. Vassar, MI 48768 989-670-2543

**Newton-Johnson Plumbing & Heating** 114 Enterprise Dr., Vassar, MI 48768 989-823-2341

**Orton Refrigeration** 

31 W. Sanilac Rd., Sandusky, MI 48471 810-648-2252

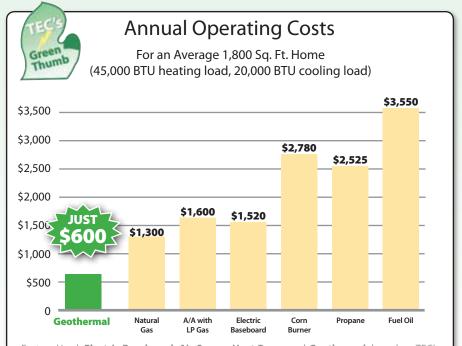
Preferred Heating 7736 Arendt, Melvin, MI 48454 810-378-5454

Priority Service by Porter & Heckman 3056 Davison Rd., Lapeer, MI 48446 810-644-8576

Shetler Plumbing & Heating 7184 Nitz St., Pigeon, MI 48755 800-547-3651

Superior, Inc. 3442 Cemetary Rd., Cass City, MI 48726 989-872-3305

**Thumb Cooling & Heating** 5599 Pochert Rd., Port Hope, MI 48468 989-428-4948 **And:** 837 South State, Caro, MI 48723 989-672-4948



Factors Used: Electric Baseboard, Air-Source Heat Pump and Geothermal-based on TEC's 6.353¢/kWh dual-fuel rate. LP gas-based on \$2/gal. and 90% efficient furnace. Fuel Oil-based on \$3.50/gal. and 80% efficient furnace. Natural Gas-based on \$1.08/therm., 90% efficient furnace including \$9/mo. service charge. Corn-based on \$8/bushel. (Electric baseboard and corn operating costs do not include air conditioning.)

# **Shaggy's Company Skis to Success**

ike most kids, Jeff and Jonathon Thompson loved taking things apart and putting them back together, never thinking that their inquisitiveness might lead to a new family business.

Theywere teenagers when they first built a surfboard with the help of their dad, John. That winter, Jeff wanted to build a "ski bike" by cutting apart an old pair of Dynastar skis to attach to a bike frame. Noticing how they were built in layers, the boys decided to build a pair of skis, too.

That was 2005, and that first pair of skis was not a successful start.

"We built them in a barn that was about 40 degrees, and discovered that it needs to be warmer for skis to cure in a press. My brother brought them to the U.P. for a race that winter right after they were made, and they de-laminated before we got them on the slopes," laughs Jeff

Previously, the family had a successful construction business, building as many as 300 homes in some years before the economic downturn. "We had vacationed in the Boyne City area for years, and as the ski business started picking up and the building business slowing down, we decided to make the move from South Lvon, where we had lived for years," John adds. • • • •



John (L) and Jeff Thompson, of Shaggy's Copper Country Skis, prepare materials that will be pressed into skis, including an ash wood core, Durasurf 4001 base, triaxial fibe glass, damping rubber strips, steel edges, ABS sidewalls, Durasurf tip/tail spacer, and a graphic topsheet.



If you want to demo a pair of Shaggy's skis, the Thompsons and their reps will be visiting Michigan ski areas this winter (check the schedule at sccskis.com or call 231-459-4323), or stop by their Boyne City shop.



After stone grinding, Shari Thompson applies hot wax to a new pair of skis. The Thompsons are members of Great Lakes Energy Cooperative.

Photos - Roger Boettcher/Leavenworth Photographics



uncle, Shaggy Lehto, was a blacksmith who lived in the Keweenaw Pen-Besides skis, Shaggy's has started making longboards insula and had a hobby building hand-carved skis. "He made a pair for (skateboards). Here, Jeff Thompson mills out the shape dad's mom that's a family heirloom, and I thought, 'what a great name of a longboard deck.

for the company," Jeff recalls. "It's uniquely Michigan."

# **Energy-saving Resolutions for 2014**

new year is an opportunity to assess different aspects of your life and determine how you can make positive changes. Unfortunately, resolutions can be tough to keep. So, why not try a new one this year that's easy and painless? Saving energy is simple and rewarding—and, any amount you save counts. Here are four simple tips from Thumb Electric Cooperative's Energy Optimization program to help you save energy—now and throughout the year.

#### 1. Set, program, relax: Use a programmable thermostat.

A programmable thermostat automatically controls your home's indoor temperature based on your schedule. In the winter, it is not necessary to keep an optimal heating temperature on weekdays when you're away or at work. Just input the time you typically leave and return, set the temperatures accordingly, and your home will be nice and cozy by the time you arrive, saving you energy and money.

**Results:** Save up to 10 percent on your heating and cooling costs per year.

Energy Optimization rebate: \$20—any model.

#### Open up and let the light in.

Window treatments are an unexpected energy saver. In these colder months, keep your blinds open during the day. This allows sunlight to enter your home and warm things up. After the sun sets, close your drapes to keep out the cold and hold onto some of the warmth generated during the day.

Results: Energy savings will gradually add up over time. Most importantly, your home will feel more comfortable.

#### 3. Same features, less energy: Switch to energy-efficient products.

Shop the ENERGY STAR® label for guaranteed product performance and quality. ENERGY STAR products—from refrigerators to TVs and lightbulbs—are backed with third-party testing, have the same features as standard models, and use significantly less energy.

**Results:** Expected energy savings range from 15 to 75 percent per year.

Energy Optimization rebates: \$10-\$50 choose from over 20 high-performing energysaving products. Find details at michiganenergy.org.

#### 4. Dive in: Easy water-saving options.

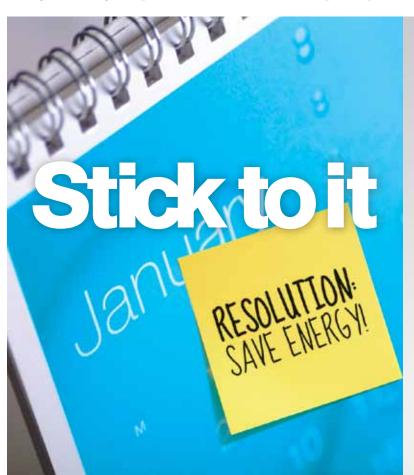
Whenever you use water, you also use energy to pump and heat the water. Making energysaving adjustments can be simple: 1) Turn your water heater down to 120 degrees Fahrenheit. 2) Install water-saving retrofit devices, such as faucet aerators and low-flow showerheads. For recommended models that don't sacrifice water pressure, visit michiganenergy.org.

Results: Save energy, and thousands of gallons of water.

Energy Optimization rebates: \$10 per lowflow aerator kit. Kits include X, Y, and Z.

#### Got the energy-saving bug?

View more energy-saving opportunities and current rebate offers at michiganenergy.org or call 877-296-4319 for details.



#### **Resolve to save energy in 2014**

Want a New Year's resolution that's fast and easy? Save more energy at home and at work. Why? It's painless, doesn't involve exercise, and still makes you feel good! With the help of the Energy Optimization program, it's easy to kick-start savings with rebates for energy-efficient lighting, appliances, furnaces, thermostats, and more.

**ENERGY TIP: Take advantage of the sun's heat.** Even in the winter, opening your drapes during the day can allow enough radiant heat into your home to allow you to lower your thermostat settings.

ONLINE: michigan-energy.org PHONE: **877.296.4319** 





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

# Home Safety Calendar



Use this handy calendar to help keep your home safe all year long. Visit http://virtualhome.esfi.org to learn more about home electrical safety.

#### **JANUARY** Test GFCIs & AFCIs Test smoke & CO alarms Inspect electrical/appliance cords for damage

#### **FEBRUARY**

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Vacuum refrigerator coils

#### MARCH

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Replace smoke/CO alarm batteries if not done in the past 12 months

#### **APRIL**

- Test GFCIs & AFCIs
- Test smoke & CO alarms

Check and replace furnace

- Inspect electrical/appliance cords for damage
- Check and replace furnace filters

#### MAY

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Vacuum refrigerator coils
- Clean air conditioners or schedule annual inspection

#### JUNE

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Dust light fixtures and lamps
- Schedule annual inspection of gas-powered dryer

#### JULY

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Check and replace air conditioning filters

#### **AUGUST**

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Vacuum refrigerator coils

#### **SEPTEMBER**

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Schedule annual furnace cleaning and inspection

#### **OCTOBER**

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Check and replace furnace filters

#### **NOVEMBER**

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Vacuum refrigerator coils

#### DECEMBER

- Test GFCIs & AFCIs
- Test smoke & CO alarms
- Inspect electrical/appliance cords for damage
- Dust light fixtures and lamps

# **Embrace Change**

ast summer, a dog walked into the Bay Pines Veterinary Clinic, near Harbor Springs. He must have been amazed when the staff knew him by name. "Are you Bandit?" they asked. "THE Bandit?" His Australian Shepherd tailless butt wagged with delight as he hobbled to meet their outstretched hands.

How did they know Bandit? It turns out that everyone in the clinic reads Michigan Country Lines and remembered him from a column I wrote over two years ago. Tha's the kind of community this magazine was meant to build when it began 33 years ago.

Then, every town of decent size had a printer who crafted posters, fl ers, school programs, and the weekly newspaper (a local Facebook, Twitter and Craigslist rolled



Sadly, Bandit has been diagnosed with bone cancer, so this will be his last winter.

into one). I wrote for those printers, before I became Country Lines' first edito.

Many of those printers, including the one in which Country Lines was born, no longer exist. Theywent out of

business because they couldn't adapt to the changes computers have brought to printing and publishing.

But, Country Lines is adapting and changing in ways that will pave the way for greater integration between print, online and social media communications. These changes embrace all the ways we communicate today, and will help Country Lines build a stronger co-op community.

I'm proud to have been part of this magazine, and I loved working on it. It was never a job. We won a few awards along the way, and it became one of the best-read of similar publications across the country. Thank you for reading it and letting me know what you thought.

Even though this is my last Country Lines column, I intend to keep writing, but where I will publish is uncertain. Send me an email at mike.f.buda@gmail.com or "friend" me on

Facebook if you want to know where to find my ramblings

Mike Buda is the creator and editor emeritus of Michigan Country Lines.





#### Michigan Heritage Quilt **Finds a Permanent Home**

Created from 36 winning squares in a Country Lines quilt contest held in 2002, the Michigan Heritage Quilt depicts personal memories, traditions and images from across our beautiful state, and the Eastern Upper Peninsula History Consortium has become its permanent home.

The Consortium represents 22 E.U.P. museums, and while the Pickford Area Historical Museum will be the quilt's officia caretaker, it will rotate for display among all

Many thanks to readers who sent in their ideas on where the quilt should live. For more information on the quilt or the E.U.P. Consortium, contact the Pickford Area Historical Society, 175 E. Main St., P.O. Box 572, Pickford, MI 49774, or call 906-647-1372.

Pictured above with the quilt are (L-R) Mary June, Consortium treasurer; Dianne Schmitigal, Pickford Area Historical Society president; and Susan James, vice president of the Chippewa County Historical Society.



#### **■ DO YOU KNOW WHERE THIS IS?**

Every co-op member who identifies the correct location of the photo at left by Feb. 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 March 2014 issue.

The Nov./Dec. 2013 contest winner is Bill Pioszak of St. Johns, who correctly identified the photo as the Cairn Monument on Cairn Hwy. north of Kewadin, marking the 45th parallel.



#### LETTERS -

#### **Raw Egg Recipes**

I have been meaning to write and tell you that pasteurized raw eggs can be found in grocery dairy and egg sections. These are safer for recipes calling for raw eggs. Maybe you can pass that along to the lady who wrote about them in the July/Aug. 2013 issue.

I also want to comment on the diabetic recipes (Oct.). Thinking regarding diabetics and sugar has greatly changed. They are no longer limited to sugar-free substitutes for their sweetening choices. The focus is now on balancing diet with assorted proteins, fats and carbs, eating smaller portions throughout the day, and counting carbs.

As a nurse, I try to pass along information people can use. The danger of sugar substitutes is they can make diabetics think such foods are good for them or don't need to be limited or counted. Managing diabetes is a lifelong, critical process that's so much more than removing sugar from the diet.

- Laura Tomell, Tecumseh Midwest Energy

#### **Mystery Photo**

The Nov-Dec mystery photo (at left) was built as a WPA project. It has a representative stone from each of Michigan's counties.

My sister-in-law's father (a stone mason in Traverse City) helped build it, so I make sure whenever any of his great-grandchildren are here that they stop to see it.

> – Peg Gage, Free Soil Great Lakes Energy



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