

Early May Heatwave Exposes Grid Vulnerabilities

Although the official start to summer hasn't happened yet, an early-May heatwave hit Heartland Power Cooperative's service area. Dormant air conditioners weren't the only things being put to the test as record heat melted the region.

The regional electric grid, managed by MISO (Midcontinent Independent System Operator), was strained with high electricity demand and limited generation resources. On May 12, MISO declared a Maximum Generation (Max Gen) Warning. MISO uses Max Gen procedures to help address grid constraints. In some circumstances, system conditions during a Max Gen scenario will call for electricity demand reduction measures, such as the use of our load management program. On May 12, we worked closely with our wholesale power provider, Dairyland Power Cooperative, to be prepared in case there was a need to reduce our cooperative's electricity demand.

"Although there was no call [from MISO] to shed load outside of normal daily energy management programs, plans were being put in place to reduce demand if needed," said Ben Porath, Dairyland Power Cooperative's Executive Vice President and Chief Operating Officer. "Depending on the weather and available generation

resources, we could have quickly advanced to a Max Gen Event and, possibly, needed to implement our load management resources to achieve load reduction."

"Every Max Gen Warning or Event scenario is unique. We must react to emergency grid conditions in a real-time manner and may have to call upon our members to start reducing their electricity demand at a moment's notice," said Jon Leerar, Heartland Power Cooperative CEO/General Manager. "Using our load management program for this purpose ensures we can quickly reduce demand to avoid overloading generation resources. This use of load management is different than non-emergency full load control events which help avoid purchasing power during the most expensive times of the summer or winter. Using load management for Max Gen purposes supports grid reliability by reducing our electricity demand to levels that can be met by available generation resources. If demand exceeds what the

(GRID | Continued on Page 2)



Jon Leerar, CEO/General Manager

SOME KEY REASONS FOR THE PROJECTED SHORTFALL INCLUDE:

- Higher, volatile natural gas prices in the United States
- Coal-fired and nuclear power plant retirements outpacing the installation of new generation resources
- A significant amount of new generation resources coming online are wind and solar, which are intermittent and not always available when needed
- Electricity consumption continues to return to pre-COVID-19 pandemic patterns, increasing in the commercial and industrial sectors.

ALSO IN THIS ISSUE



Nominate A Volunteer in your community | p 3 Help us Shine the Light on our local volunteers! Make a nomination by June 30th



Is Your Name on our Unclaimed Capital Credit List | p 5

Check our list of names to see if you have unclaimed capital credits.



Member Recipes | p 6 Try member submitted recipes using their favorite garden vegetable.

MONTHLY CO-OP QUIZ

\$25 Bill Credit Winner:

Congratulations to Glenn Shunkwiler of Osage!

Last Month's Answer:

June 1st - 30th

This Month's Question:

When will the Heartland Power Member Appreciation Event be held?

Quiz Guidelines:

Each member who sends in the correct answer by the 20th of the month will be entered in a drawing for a \$25 bill credit.

Mail or email quiz answers to energy@heartlandpower.com.

(GRID | Continued on Page 2) grid can fulfill, rolling blackouts can occur." Experiencing a Max Gen Warning so early in the season is likely a sign of things to come. A press release from MISO in late April and the short-term outlook from the U.S. Energy Information Administration this spring warn of an expected shortage of available generation resources during peak electricity demand this summer.

JT Smith, MISO's executive director — market operations, said a 2022 seasonal assessment indicates about a 5-gigawatt (GW) deficit between an expected peak forecast of 124 GW vs. 119 GW of expected "regularly available generation." For comparison, 1 GW is 1,000 megawatts (MW) of power or 1 million kilowatts (kW), which is approximately the size of the entire Dairyland Power system.

This deficit leaves MISO's North and Central regions – the regions where Dairyland's member cooperatives serve – at an increased risk of rolling blackouts to help keep the grid online.

Dairyland runs annual drills with its members to prepare for a potential rolling blackout event. To-date, load reduction measures have not reached the point of load shedding – including during the February 2021 Polar Vortex where Texas and other states did endure rolling blackouts and partial grid failures. Dairyland's System Operations Center also works closely with MISO to ensure the power grid remains stable and reliable each day.

"Our System Operators are in daily contact with MISO to understand where power needs are and how Dairyland's resources can best support the regional grid," Porath said. "We can't control the weather or other generation resources, but we do take maintenance and preparedness of our own generation stations as seriously as we do safety."

The fact is, we are facing the possibility of power shortages this summer, but members participating in the Summer Shift program or enrolling an eligible device in our load management program, can help reduce demand during the highest electricity peaks. Please visit us online at www.heartlandpower.com, on social media, or call our office at 641-584-2251 to join the load management program or learn about energy efficiency strategies to use energy wisely.

NOMINATE A LOCAL VOLUNTEER

Do you know someone in our community who deserves to be recognized for making a difference? Help us shine the light on community volunteers; make a nomination by June 30th!

Nominate them for our Shine the Light contest by June 30th, and they could win \$2,000 for their local charity or nonprofit.

"We're really excited to participate in this statewide effort to celebrate our



cooperative commitment to community," remarked Jon Leerar, Heartland Power CEO/GM. "There are many volunteers throughout our service area who truly deserve to be recognized."

Sponsored by the Touchstone Energy Cooperatives of Iowa, this new contest celebrates the people who make our communities better. Three winners will be announced later this summer and each will receive a \$2,000 donation for their charity or nonprofit. The winners will also be featured in the *Living with Energy in Iowa* magazine.

HOW TO NOMINATE

Member-consumers and employees of lowa's electric cooperatives are eligible to nominate local volunteers. If you receive electricity from Heartland Power Cooperative, you're a co-op memberconsumer and we encourage you to nominate someone who is making a positive impact in your community. The volunteer being nominated does not need to be a co-op member-consumer. (Minors may be nominated with consent from their parents or legal guardians.)

Go to www.lowaShineTheLight.com by June 30th to make a nomination and to review the contest rules. Nominators will need to provide contact information and answer this question in 500 words or less: How has your nominee made a positive difference in the community and why do they deserve to be recognized? A panel of judges will review all contest entries and we'll announce the three winners during the month of September.

Summer Shift: Small Steps for Savings

When members save energy, they tend to save money. However, there is always something in our homes using electricity - whether to cool the home, turn on the lights or run appliances. While using electricity is inevitable, HOW and WHEN members choose to use it can be impactful.

The goal of the Summer Shift program is to shift non-essential electricity use to before 11 a.m. or after 7 p.m., June through August. These are times when electricity use is not at its peak and, therefore, is not as expensive. So, how does Summer Shift work?

If a member shifts their electricity use, they may not necessarily save energy. They could use the same amount of electricity, but at a different time of the day. That is still beneficial because it means the cooperative's wholesale power provider – Dairyland Power Cooperative – did not have to purchase as much power when electricity costs were more expensive. When the cooperative saves, so do members.

The price of electricity purchased on the grid is always changing, based on the need for electricity balanced with available generation resources. As need — or demand — rises during the day, the price of electricity increases as more generation resources (power plants, solar arrays, etc.) are needed to power homes, businesses and other buildings or devices. When temperatures cool and things quiet down for

the night, electricity demand drops as do prices for electricity.

Dairyland must ensure it has enough generation resources to cover all the electricity needs of its 24 member cooperatives — including Heartland Power - plus an additional reserve in case demand spikes above expectations. This



Karrie Pringnitz,Director of Finance
and Administration

means investments in additional resources to cover the needs of all members. If Heartland Power members – along with members of Dairyland's 23 other coops – shift their electricity use to different times of the day, the overall 'peak' is reduced.

When a member chooses to shift their electricity use, it helps spread out electricity use throughout the day. The less electricity cooperative members use when prices are at their highest, the more stable we can keep our retail rates. The more members who choose to participate, the more impactful these savings become.



Summer 2022 Load Control Times | *Economic Control Schedule*

The summer load management season began May 1 and extends throughout the summer months. Control times remain the same as 2021. Please take a few moments to review the table for a summary of control and restoral times and contact us if you have any questions. We appreciate your participation in our Load Control Program!

Load Description	Control Class	Control Start	All Loads Controlled	Restoral Start	All Loads Restored
Small Water Heaters	Class 1A	7:00 P.M.	Economic Control can occur anytime between Start and Restoral times, depending on market prices.		11:00 P.M.
Large Water Heaters	Class 1B	6:00 P.M.			12:00 A.M.
Dairy Water Heaters	Class 4A	6:00 P.M.			11:00 P.M.
Air Conditioners	Classes 2, 2S & 4B	6:00 P.M.			10:30 P.M.

CHECK FOR REBATES...

Are you making improvements to your home or business this summer? Check to see if your purchases qualify for a rebate from Heartland Power Cooperative!

We offer rebates on a variety of energy efficiency improvements including: appliances, appliance recycling, water heaters, lighting, windows, heating and cooling, motors, energy audits, water conservation, and a variety of agricultural equipment. Rebate forms are located on our website at www.heartlandpower.com.

REMINDER:

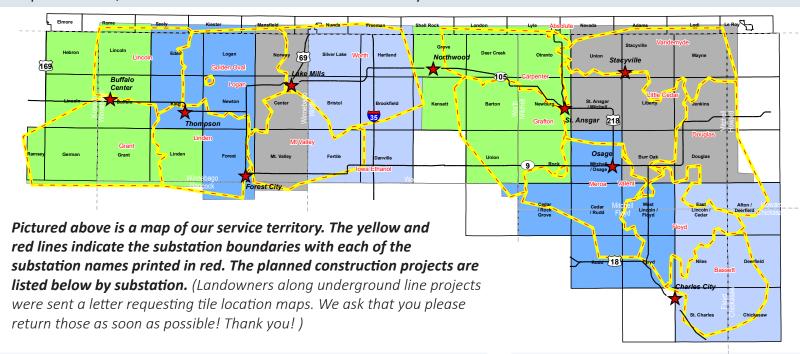
The Summer electric rate is 11.6 cents/kWh during the summer months of June, July, and August.

Summer Construction Projects Planned

Summer construction season is in full swing and that stands true for our line crews at Heartland Power as well. Our summer construction planned projects include rebuilding 8.4 miles of 3-phase into underground line and 21.7 miles of overhead line with the potential for additional construction projects to take place as time and budget allows. These 30.1+ miles of line improvements will enhance the coops ability to provide safe, reliable service and continue to do so for years to come.



Dave Low, Director of Operations



OVERHEAD PROJECTS

Lincoln Sub - 2 miles Logan Sub - 1.2 miles Carpenter Sub - 6.2 miles Little Cedar Sub - 1.4 miles Grant Sub - 10.8 miles Mt. Valley Sub - 1.8 miles Bassett Sub - 8 miles

UNDERGROUND PROJECTS

Grafton Sub - 5 miles Worth Sub - 3 miles





We ask that as you see our crews and all utility crews to please keep our lineman's safety in mind when driving. When you Move Over & Slow Down it allows our crews to focus on their jobs, rather than worrying about the dangers of traffic.

Capital Credits are a Valuable Benefit for Cooperative Members

Over the years, Heartland Power Cooperative has returned millions of dollars in capital credit payments to both current and past cooperative member-owners. Unfortunately, we can't always find everyone who has earned a capital credit. Below is a list of those member-owners who have uncashed - or unclaimed capital credit checks. If you find your name listed please call us at 641.584.2251. (If you find the names of your family or friends, they must contact us directly. If you have found the names of deceased family or friends, their estate representative must contact us directly.)

STEVE AASE MILLARD H ABBEN MICHAEL ABRAMS MICHAEL ADAMS **ROBIN ADAMS HEATHER ALLISON** CARL ALM DANIEL J ANGELO **DEBBIE ANHORN** HAROLD ARTHUR DENISE ASKELAND RICHARD R BAER ROBERT BANKS RANDY L BANNISTER MICHAEL BARTZ JAMES BEACH HANS BENDICKSON DONNA BENSEND JOHN BENSON PERRY BERGE HOMER BLICKENDERFER PHYLLIS BOGGESS HAROLD BOOK CRAIG BORGMEYER **BRODY M BOSS** BERNEICE BRANSTAD MIKE BREKKEN BOEYCE BREWSTER DARLENE A BROWNLOW J M BUDD LYLE SR BUNSTON **VERA E BUNSTON** LARRY BUNSTON ANNA BURKE MIQUEL CASTRO VIOLET CHARLSON RUSSELL M CHESNUT DENISE R CIAVARELLI **CLAYTON CLAUSEN** GARY L COMISKY TROY COMISKY D E COOK MARVID DAVIDSON DON T DECKLEVER JOHN DENMAN ROBERT DEVRIES **ELEANOR DILLE**

JOHN RSR DINGMAN

RONALD DIRKS DENNIS DODD MICHAEL B DOUGLAS MARGARET DOYLE LORI J DROSTE TERRY DRYER **DAVID DURNAN** DALE DURYEE HAROLD EISENMANN JANE ELLIOTT ALLEN EVANS DALE E FELDT CLIFFORD FJETLAND JERRY FLICK JUDY I FOLVEN ROBERT FRANCIS TIM FRAZEE **RUBY GALING** KATHLEEN GALLAHER STEVE GANNON MARICELA GARCIA FLORA A GERDTS ROMAN GERK WILLIAM D GETMAN DAVE GODLEWSKI **DAVID GUY** MYRTLE E HAGEN **ROSE HANDELAND** HERBERT HANNAM RICHARD HARANG ROBERT HARRINGA JOHN T HARRIS LOIS HARRIS NORMAN HAUAN S M HAUGLAND JIM HAYDEN JAMES R HEINY CHARLES HEMANN MICHAEL HEMANN BONNIE M HENGESTEG DARRELL HILSMAN DARRELL HINDERAKER JODY HOFFMAN JOSEPH G HONSEY RUSSELL D HORGEN WAYNE E HOSKINS DANIEL A HOUSER

HANS HVEEM KENNETH W IVERSON **ROYCE JANSSEN DENNIS JENDRO BLAKE JENSEN** LEONARD JOHANNS PAUL JOHANSON **CARROLL J JOHNSON CORAL L JOHNSON ROBERT A JOHNSON** JOHNNIE JOHNSON DONALD D JOHNSON **BASIL JOHNSON DEAN JONES EDWARD K KANE** JERRY KEENEY SHAYNE KEEPER WARD KEPHART KARL KIRCHGATTER **DORIS L KIRCHGATTER** MIKE KIRSCHBAUM MAURICE KLECKNER LESLIE KLUSMEIER K C KNAPP **ELAINE KNUTSON** RAYMOND KOEBRICK **DEO KOENIGS** PAUL KOENIGS **BRETT KRAHN** C FRED KREBSBACH NORMA B KRUEGER TIM KUEHL RICHARD LA CHAPELLE GILBERT LACOUR JAMMIE L LAMB **RUTH LANGESEN** ROBERT LANGFALD RICHARD LARICK DAVID LARSON IRMA LOCKREM STEVEN LOMEN JAMES LOVIN ARNOLD LOWE JOHN J LUCE THOMAS MADDEN RONALD E MAIN

LEONARD MC INROY

JEFFREY E MEAD

DEAN MECHEM SUSAN MENHUSEN JEFF METLI JOHN J MEYER ROBERT MILLER FREDRICK MILLER HENRY MOHRING HAROLD L MYERS TONI NEHLS CHARLENE NELSON **DUANE NELSON** MARRICE NEWKIRK FRED NIEMOTH ROBERT E NITARDY **RONALD OKLAND** JAMES L OLDENBURGER JERRY OLSON CLARENCE O OLSON DON OSTRANDER NATHAN OULMAN STEVEN L PENNEY FRANK L PIERCE WILLIAM E POWELL **ROYDEN PUTNAM** JAY RAMSDELL MARLENE REILAND RACHEL RETLAND MARK RIECK ROBERT A RODAMAKER **CHAD ROE** FLOYD ROETHLER WAYNF ROTH DONALD ROTHS **CHADWICK RUFF** RUSSELL SAMPSON ARLENE SANDRY MELISSA SANSGARD **GERALD SCHERB GARY SCHLEY RUTH SCHMIDT BILL SCHROEDER** MARLENE SCHROEDER MURIEL SEGERSTROM **ORVILLE SEVERSON** MICHELE SHACKLETON **ED SHINDELAR**

NEIL SHOOK

DOROTHY SIMONS

AARON SKARE RICHARD L SMITH JEFF SMITH ROBERT SMITH **ERVIN SOLBERG NORMAN SPONHEIM** MARK SPRECHER ROBERT STANGEL **BROTHERS STEINBERG** ROBERT STORBY ANSLEY STROMLEY **OPAL TENOLD DUANE TESCH** KYLE D THOMPSON **ELMER W TRAPPE** DARLENE M TROUSDALE **DEAN A TUCKER** JOANNE TUCKER **RAY TURNER** MILDRED VALASEK ALBERT VERVAECKE JAMES L WARD **DEWAYNE WATTERS** MATT WERNER TILDA G WESEMAN KATHLEEN M WILKINS KIRK WINTER **MARV WIRTJES** JOEL WOLLENBURG **CHAD WUBBEN** TIM WURTZEL **CORY ZIEGLER** CRAIG E ZIPSE LEONARD AMUNDSON **ESTATE** ARNOLD FOLLMUTH ES **IOWA DOT** J & G POULTRY INC FOX FARM ACCOUNT R/S CONSULTANTS D & C WELDING **RALPH BRIGHTON EST CROP MATE CO EVELYN FALTUS ESTATE IOWA WIRELSS #127**

ANDREW HUTTER



Garden Vegetables

Members with their recipe published in the newsletter will receive a \$5 bill credit. For September's Recipes send in your favorite apple recipes. These can be mailed to our office or emailed to us at energy@heartlandpower.com by August 20th.



Cucumber Salad

Submitted by Joan King, Charles City

4 cukes (sliced thin - about 4 cups, do not peel)

1 small white onion, sliced

1 C. white vinegar

1/2 C. water

3/4 C. sugar

1 T. dried dill weed

1 tsp. celery seed

1 tsp. mustard seed

Toss together the cukes, onion and spices in a large bowl with lid. Combine the vinegar, water and sugar in a saucepan over medium-high heat. Bring to a boil while stirring. Take off heat and pour over cucumbers, onion and spices. Stir, cover and refrigerate till cold for several hours before serving for best flavor. These will keep several days or more. Can eat as a salad or in sandwiches. These do not contain salt, so they are great for those that have to watch there sodium intake.

Whole Roasted Carrots

Submitted by Bobbi Schroeder, St. Ansgar

2 bunches carrots, peeled & tops trimmed

1 red onion, peeled and cut into wedges

3 T. Olive Oil

1 T. red wine vinegar

1 tsp. salt

1 tsp. cumin, optional

Pepper, to taste

Lemon zest

Preheat oven to 400 degrees. In greased baking dish, place carrots and onions. In small bowl, whisk oil, vinegar, salt and pepper to combine. Pour mixture over carrots and toss gently to coat. Roast in preheated oven for 30-35 minutes. Can garnish with lemon zest to serve.

Zucchini & Onion Patties

Submitted by Dorothy Martin, Charles City

2 C. shredded zucchini

1/2 C. chopped onions

1 C. flour

1 C. shredded mozzarella cheese

Mix together all ingredients and form patties. Fry in frying pan in hot oil until light brown. Turning once.

Zucchini Pizza Crust

Submitted by Janet Sauder, Charles City

3 C. unpeeled shredded zucchini

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1/4 tsp. salt

1/2 C. vegetable oil

3 eggs, beaten

1/2 tsp. oregano

1 C. Bisquick or flour

2 shakes pepper

Combine all ingredients. Pour into 9x13 inch pan. Bake at 350 degrees for 20 minutes or until firm. Spread with favorite pizza sauce, meats and cheeses. Return to oven for additional 10 minutes. *Enjoy!*

Heartland Power's Privacy Policy

At Heartland Power Cooperative, confidentiality is very important to us. As we continue to improve and expand our services and delivery channels, we recognize our customers' needs and desire to preserve their privacy and confidentiality. Heartland Power Cooperative recognizes the trust you have placed in us and are committed to safe-guarding the privacy of our customers' information. The following policy affirms our continued commitment to preserving customer confidentiality.

The Information We Collect

We receive and retain information about our customers through many sources:

- information we receive from you on applications or other forms
- information about your transactions with us, our affiliates, or others, and
- information we receive from a consumer reporting agency.

The Way We Use Information

We limit the use and collection of non-public personal information to that which is necessary to maintain and administer financial services. We do not share this information with outside parties unless:

- The information is provided to help complete a customer initiated transaction such as credit reporting agencies, document processing companies, etc.
- The disclosure is required by law (e.g. subpoena, investigation of

fraudulent activity, etc.) or

The disclosure is required by banking regulation (e.g. Fair Lending Reporting Act, Home Mortgage Disclosure Act.) When customer information is provided to any of the third parties mentioned above, that third party must agree to adhere to privacy principles that provide for keeping such information confidential.

Limiting Employee Access to **Information**

Heartland Power Cooperative limits employee access to customer information to those with a business reason for knowing such information. All of our employees are educated on the importance of confidentiality and customer privacy. Any employee that violates the financial privacy of our customers will be subject to appropriate disciplinary measures and possible termination.

Protection of Information via **Established Security Procedures**

To prevent unauthorized access, maintain data accuracy and ensure the correct use of information, we have put in place appropriate physical electronic and managerial procedures to safe-guard and secure the information.

Maintaining Accurate Information

We have established procedures so that our customers' financial information is accurate, current and complete in accordance with reasonable commercial standards. **Heartland Power Cooperative** will respond to requests to correct inaccurate information in a timely manner. At Heartland Power Cooperative, we value our customer's relationships. We want you to understand how we use the information you provide and our commitment to ensuring your personal privacy. If you have any guestions about how Heartland Power protects your information, please contact us at 641-584-2251 or email energy@heartlandpower.com.



www.lowaOneCall.com

Notify Iowa One Call by calling 811 or making an on-line request 2-3 days before you dig. You'll provide information about where you are planning to dig and what type of work you will be doing. A locator will be sent on behalf of each affected utility company to mark the approximate location of your underground utility lines. Remember, any privately-owned lines installed beyond the meter are the homeowner's responsibility.

Annual Complaint Procedure Notice

If you have a complaint with your Touchstone Energy Cooperative, please call or write to Heartland Power Cooperative Office, Attention: Jon Leerar, P.O. Box 65, Thompson, IA 50478.

If your complaint is related to service disconnection, safety or engineering standards, or renewable energy and Heartland Power Cooperative does not resolve your complaint, you may request assistance from the Iowa Utilities Board by calling (515) 725-7300, or toll-free 1-877-565-4450, by writing to 1375 E. Court Avenue, Des Moines, IA 50319-0069, or by email to customer@iub.iowa.gov.



Providing members with safe, reliable, affordable electricity and enhancing the quality of life for members and their local communities.

GENERAL INFORMATION

Office Hours 7:00 a.m. - 5:00 p.m. M-Th

> Office: 641.584.2251 Toll Free: 800.349.2832

Thompson 216 Jackson St. | P.O. Box 65

Thompson, IA 50478

St. Ansgar 110 Industrial Park Dr. | P.O. Box 70 St. Ansgar, IA 50472

Thompson: 641.584.2200 Outage Reporting

> St. Ansgar: 641.713.4646 System Wide: 888.417.3007

Secure Payment Phone Line 833.890.4830 Digging & Line Location Call 811

www.heartlandpower.com Website energy@heartlandpower.com Email facebook.com/heartlandpower Facebook Twitter twitter.com/heartland power Instagram instagram.com/heartland power/

CEO/GENERAL MANAGER Jon Leerar

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Bucket Rides will be offered at the Member Appreciation Event on Aug. 1

HEARTLAND POWER COOPERATIVE OFFICES

WILL BE CLOSED

Monday, July 4th

In Observance of Independence Day.

HAVE A SAFE & HAPPY HOLIDAY WEEKEND!

Star Energy Inspecting Poles



Heartland Power is working with Star Energy to inspect and test poles in the Heartland Power service area over the next several weeks. They have begun working in the Douglas Substation area in the Jenkins and Douglas (North) townships and then will move to the Meroa Substation

area in the Cedar, Rudd, West Lincoln, and Mitchell townships and ending in the Mt. Valley Substation area in the Mt. Valley, Center and Fertile townships. Star Energy will have a Heartland Power logo on their truck, however, if you question if someone should be in the area please call our office at 641-584-2251. Please remember to always move over and slow down for all workers near the road ways.

Member Appreciation Event Scheduled for August 1st

Kick off the end of summer with us this August for our Annual Member Appreciation Event. Please mark your calendars for Monday, August 1st, and plan to join us in St. Ansgar from 4-7 pm as we celebrate you, our members! We will have a free meal, bucket truck rides, and a variety of other activities and giveaways and is certain to be fun for the entire family. We will have more details in our July newsletter and watch for updates on our website and Facebook page!