

REAL PEOPLE. REAL POWER.

Tideland Topics

A NEWSLETTER FOR THE MEMBER-OWNERS OF TIDELAND ELECTRIC MEMBERSHIP CORPORATION

PEAK PERFORMANCE: Co-op sets new power delivery record

At 5:27 p.m. on Friday, July 29, Tideland EMC set a summer peak demand record, delivering 91.6 megawatts of power. That represents 73% of the cooperative's 125 megawatt system capacity.

Not surprisingly, a new temperature record was set that day as the mercury climbed to 102°F in Tideland territory. In fact, daily high temperature records were broken several times during July:

July 4	94°F
July 19	97°F
July 29	102°F
July 30	101°F

What can you operate with 91.6 megawatts of power? Nearly 150,000 refrigerators or window air conditioning units (5,000 BTU) or nearly 1 million ceiling fans.



148,943
refrigerators

916,000
ceiling fans



140,923
window
A/C units

Grant applications due September 23

Time is growing short for teachers to apply for a Tideland EMC Bright Ideas Classroom Grant. These grants provide funding for a variety of hands-on educational projects. Awards up to \$2,000 are made to K-12 teachers to improve classroom instruction and encourage innovative teaching methods. Grant proposals that involve the study of energy are highly encouraged including renewable energy or energy efficiency.



Since 1994, the state's electric co-ops have awarded \$7.3 million to fund 7,000 Bright Ideas projects reaching more than 1.3 million students. Tideland applications may be submitted online at www.ncbrightideas.com. Deadline for entries is September 23.

For more information call program coordinator Heidi Smith at 252.944.2410 or 800.637.1079.



Message to our Member-Owners: Weathering the weather

Paul Spruill
Chief Executive Officer &
General Manager

Right-of-Way Update

Tideland has hired Lewis Tree Service to trim and cut trees in our right of way. In September they will work on the Liverman Heights and Long Ridge circuits which feed out of the Plymouth substation. The following roads will be included in trimming activities:

- Hwy 45 between Hwy 32 & Hwy 64
- Liverman Heights
- White Oak Rd
- Garrett Island Rd
- Morratock Rd
- Long Ridge Rd from Hwy 64 to Reno Rd

We will mow along Hwy. 33 East into Lowland.

On July 29 when the mercury reached 102°F, Tideland EMC set a new summer peak demand record, delivering 91.6 megawatts of power. As a result of the prolonged heat wave, July's residential kilowatt hour sales were 30% higher than June 2010. Increasingly volatile weather patterns have forced most of us to better manage our personal energy consumption.

The need for mechanical heating and air conditioning has risen significantly in recent years due to temperature extremes. In 2010, the need for space conditioning in eastern North Carolina was 23% higher than the historical average and is running 13% higher year to date.

Despite higher than expected kilowatt hour sales during June, July 2011 consumption did not keep pace with the cooling degree day data which showed a 10% increase in the need for air conditioning compared to July 2010. Despite the warmer weather, July sales declined 5% over the same time last year. It appears many of you adapted your lifestyle to the unusually hot weather and made a concerted effort to conserve.

I encourage you to continue to be proactive. Start with the basics by tracking your daily meter readings. It is important to know how, when and where you use energy. Look for air leaks and seal them with the appropriate materials. Unplug spare refrigerators or freezers because they can cost you an extra power bill annually. Try a higher thermostat setting on your air conditioner while blocking out as much sunlight as possible with curtains and blinds. Visit our website www.togetherwesave.com to find out which energy saving improvements have the best rate of return. If you feel like you've done all you can on your own call us and schedule a free in home energy audit.

You may also want to consider signing up for levelized billing to minimize month to month billing fluctuations. Call Tideland for details or to enroll.

Most importantly, if you experience problems paying your bill don't wait until the last minute to contact Tideland. We may be able to refer you to another organization for utility assistance or work out a payment arrangement.

**ALWAYS
CALL
BEFORE YOU
DIG**



Q: WHAT IS 811?

A: 811 is a new federally-mandated N-11 number designated by the FCC to consolidate all local "Call Before You Dig" numbers and help save lives by minimizing damages to underground utilities. One easy phone call to 811 quickly and easily begins the process of getting underground utility lines marked. Local One Call Center personnel will then notify affected utility companies, who will continue to mark underground lines for free.



**Know what's below.
Call before you dig.**

TOUCHSTONE ENERGY SPORTS SCHOLARS:

Budding basketball stars shine at Tarheel and Wolfpack camps

Three local middle-school students recently attended summer basketball camp thanks to their selection by Tideland EMC as Touchstone Energy Sports Scholars.



TONI SWAIN & KELLIE HARPER

Toni Swain of Plymouth and Macy Morgan of Pantego were selected to attend the Kellie Harper Wolfpack Basketball Academy on the campus of North Carolina State University. Toni is the daughter of Lisa and Tony Swain. She is an honor roll student at Washington County Union School and has been inducted



MACY MORGAN & KELLY HARPER

into the National Junior Honors Society. In addition to basketball she plays volleyball, floor hockey and soccer. Toni also plays the clarinet.

Macy is the daughter of Mike and Marcy Morgan. She is an honor roll student at Pungo Christian Academy and is a member of the Junior Beta Club. She attends First Presbyterian Church where she is a member of the adult handbell choir. She also participates annually in the Log-A-Load fundraiser to benefit the Children's Miracle Network.

Representing Tideland at the Roy Williams Basketball Camp on the campus of the University of North Carolina at Chapel Hill was Adam Maurice Moore, Jr. The son of Adam and Kim Moore, he is an honor roll student



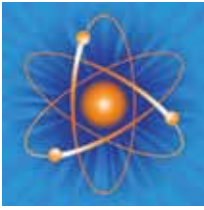
CHARLIE MOORE & ROY WILLIAMS

at Washington County Union School. Adam has a yellow belt in karate and volunteers with Meals on Wheels during summer vacation and school breaks. He is a youth usher at Sure Word of Prophecy Church.

This is the eighth year North Carolina's Touchstone Energy Cooperatives have sponsored the basketball camp scholarships. Winners were selected based on their academic performance, dedication to the sport of basketball and completion of a written essay.

REASONS TO GO GEOTHERMAL

1. **LOW MAINTENANCE**
2. **QUIET OPERATION**
3. **DURABILITY & LONG LIFE**
4. **NO OUTDOOR COMPONENTS REQUIRED**
5. **FREE HOT WATER DURING AIR CONDITIONING SEASON**
6. **ENVIRONMENTALLY FRIENDLY**
7. **REDUCED ENERGY CONSUMPTION**
8. **COMBINED STATE & FEDERAL TAX CREDITS UP TO 65% OF SYSTEM COST**



The future of nuclear power?

Small modular reactors

There's no single answer to meeting the growing energy demands of electric utilities in the coming decades. But a new generation of small modular nuclear reactors—a scaled-down version of the large reactors that supply 20% of the nation's energy—might become an important part of the equation.

That's why the National Rural Electric Cooperative Association held a Small Nuclear Seminar on July 14 in Washington, D.C., to study ways co-ops and other electric utilities can benefit from advances in small modular reactor technology.

Small modular reactors, or SMRs, can be manufactured at a single facility, shipped to a site and installed with far fewer steps than traditional large reactors. SMRs can conceivably be built entirely in the United States, while large reactors depend on fabrication facilities in Japan.

Unlike their larger brothers, whose generation is often measured in giga-

watts, SMRs are designed for 50 to 150 megawatts, which more closely mirrors trends in co-op load growth.

SMRs can be sited in more areas because of their small size. They also provide co-ops with sole or joint ownership opportunities and open up more financing options.

Darren Gale, a vice president at nuclear reactor manufacturer Babcock & Wilcox, said SMRs enjoy several safety advantages, compared with traditional facilities. They have a passive design, so no direct current power is needed to maintain important cooling functions.

Jim Colgary, director of government affairs for the Nuclear Energy Institute, told the forum that supporters are working on Capitol Hill to advance SMRs, which are strongly backed by the Obama administration.

"This is not a panacea but this is clearly a start in a good direction," he said. "The political support is there and it's on both sides of the aisle."

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www.tidelandemc.com

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HOLIDAY OFFICE CLOSING: TIDELAND EMC OFFICES WILL BE CLOSED MONDAY, SEPTEMBER 5TH IN OBSERVANCE OF MEMORIAL DAY.



A recessed light cover, like the one shown, sits on top of the lighting fixture, effectively blocking air leaks around the recessed light.

Weatherization product spotlight:

Recessed Light Cover

Everyone loves the ambiance provided by recessed lighting. However, indoor air that you've paid to heat or cool can easily escape into the attic if you don't have IC (insulation contact)-rated recessed lighting fixtures.

To remedy this problem, Tideland's EFI online store offers recessed light covers. Made of a fire-resistant

mineral wool material, these covers exhibit excellent thermal-insulating properties. The recessed light cap simply sits on top of the light and can be used with most light manufacturer's models in new construction as well as remodel projects. **Please note:** this cover is not suitable for use with recessed cans that contain conventional incandescent or halogen light bulbs.



List Price	\$19.50
Member Discount	- 3.90
Tideland Member Price	\$15.60

To learn more or to place an order visit www.tidelandemc.com and click on the EFI logo.