



Coweta-Fayette



ELECTRIC VEHICLE-READY HOMES

Drivers across the U.S. are starting to refuel at the outlet instead of the gas pump. As electric vehicle (EV) growth continues, studies are finding that the majority of drivers are plugging in at home to charge.

“EV-ready homes” is a term to describe a home that provides safe access to a dedicated power supply for charging at a Level 2 station. Level 2 charging generally uses a 240-volt outlet/NEMA 14-50 receptacle and delivers 10 to 20 miles per hour, whereas Level 1 charging uses a standard 120-volt outlet and delivers 3 to 5 miles per hour. EV-ready homes come with benefits to both homeowners

and builders. For homeowners, they save time and money. Making a home EV ready is simple during initial construction, but post-construction upgrades can be expensive. Additionally, residents will have an easier time purchasing an EV knowing they have a convenient and fast place to charge.

Builders see another set of perks. Constructing EV-ready homes adds little to costs, differentiates them from competition, increases home value and attractiveness to buyers, demonstrates a commitment to the environment and shows support for consumer choices.

	LEVEL 1 CHARGING	LEVEL 2 CHARGING
VOLTAGE	120V 1-phase AC	208-240V 1-phase AC
AMPS	12-16	<80 (typically 30)
CHARGING LOAD	1.4-1.9 kW	2.5-19.2 kW (typically 6.6 kW)
CHARGING TIME	3-5 miles per hour of charging	10-20 miles per hour of charging

Electric vehicle home charging levels

To get the most out of a home charging setup, there are a few items to consider. For example, when locating the charging outlet, it is important to choose a place near a frequent parking spot, such as in a garage or carport/driveway. If available, garages offer the simplest installation, limit exposure to the elements and prevent unwanted access. No matter where the outlet is placed, though, make sure there is available space on the floor, walls and ceilings; be mindful of overhead doors or objects that may obstruct a vehicle's ability to plug in; and avoid locations that will require the charging cord to be wrapped around or draped over a vehicle.

An EV-ready home makes life easier for EV drivers and provides advantages for builders. Many municipalities across the country are also adding EV-ready language to their building codes, and companies are offering EV charging options in new construction projects. Through EV-ready homes, we can ensure that more people have a convenient, safe, reliable and quick place to charge.

This article was provided by Advanced Energy, a nonprofit energy consulting firm. For more information, visit www.advancedenergy.org.

CFEMC members could qualify for a \$100 rebate to assist with the wiring of a new homes or for installing an EV charging stations. Qualified members may also qualify for the CFEMC Drive Free For A Year program if they purchased a total electric vehicle since April 2019. To learn more, call us at 770-502-0226.

770-502-0226
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CONGRATULATIONS TO OUR SCHOLARSHIP WINNERS

School will be starting soon, and we at Coweta Fayette EMC are pleased to play a part in the continuing education of students in our service area. We are always amazed at the caliber of applications we receive for our **Coweta-Fayette Trust Technical Scholarship** and our **Melissa Segars Scholarship**. This year, CFEMC provided \$52,000 in scholarships through our Operation Round Up Program.

The Coweta-Fayette Trust Technical Scholarship was established to help students in our service area acquire knowledge and compete in an ever-changing workplace. The Coweta Fayette Trust Board of Directors recently awarded \$7,000 to seven deserving technical school attendees. Students must be enrolled at Southern Crescent Technical College or West Georgia Technical College to be eligible.

The following students each received \$1,000 scholarships to be used for tuition, books or course -specific tools and equipment:

Southern Crescent Technical School

Michael Thompson, Jr.
Desaray Burke
Alfred Smith

West Georgia Technical School

Edna Hewitt
Jennifer Wilson
Alex Perry
Jonathan Snyder

The Melissa Segars Scholarship was established to honor the memory of a young woman who faced her physical limitation with courage and inspired many. The Coweta-Fayette Trust Board of Directors were pleased to award \$45,000 in scholarships to 15 deserving students.

Receiving \$3,000 scholarships are:

Melanie Wagner - Whitewater HS
Cheryl Marshall - Starr's Mill HS
Brooke Ranieri - McIntosh HS
Claire Traylor - McIntosh HS
Jazmyn Boiteux - Fayette County HS
Maura Ray - East Coweta HS
Allison Brack - East Coweta HS
Taylor Carroll - Whitewater HS
Lindsey Martin - East Coweta HS
Jessica Shenning - Coram Deo Classical School
Kylee McNutt - East Coweta HS
Lilyann Gable - Whitewater HS
Roney Howard II - Sandy Creek HS
Anna Agi - Whitewater HS
Taylor Briggs - Northgate HS

The funding for the scholarship program is made possible through members like you who participate in Operation Round Up. If you are interested in learning how you can be a part of Operation Round Up, simply call our office at 770-502-0226 or visit us online at <https://utility.org/operation-round-up-pur-pose>.



The President's Message

Chris Stephens
CEO

I hope you have been enjoying your summer. As we approach fall, and the return to school, we are still dealing with heat, and of course, thunderstorms. We have experienced a couple of severe thunderstorms so far, one resulted in 10,000 member accounts without power. Our dedicated staff and linemen were able to restore service to the majority of those members in just 12 hours.

Many of the outages during these storms are caused by lightning or high winds that blow trees and limbs into the overhead lines. As a result, I have received a number of questions from members and friends wondering why we don't simply just bury all the overhead power lines. Why don't we put them underground?

Unfortunately, it is just not that simple. Burying power lines is very expensive. Not only is the cost of labor to install existing overhead lines underground costly, but the cost of the materials is too. It costs approximately three times more to install underground versus overhead facilities. North Carolina completed a study to bury all of their existing overhead lines over a 25-year period. The impact on customer rates was estimated to be a 125% increase. In addition to the high cost of installation, maintenance cost increases as well when it relates to repairs. Our linemen must first identify the location of a fault and then access it in order to repair. With underground, that is not as easy as overhead and will only increase the length of time you are without power.

Over the past 5 years, the average time a member has been without power was 273 minutes per year. Another way to put this is that the power was on 99.95% of the time. This outage time includes winter storm Pax and Hurricane Irma, two of the three greatest storms ever to impact our system. Removing Pax and Irma from the calculation reduces the time a member was out to 85.2 minutes per year. So in lieu of raising rates two-fold to bury all the overhead lines, we believe continuing to deploy technology, automation, excellent maintenance and the best employees in the business, are the most economical way to assure the lights come on when you flip the switch.

OPERATION ROUND UP
COWETA-FAYETTE EMC

CHECK OUT ALL OF THIS YEAR'S SCHOLARSHIP WINNERS ON OUR FACEBOOK OR TWITTER

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