



Electric Line Newsletter

WHAT IS BENEFICIAL ELECTRIFICATION?

If you're like most Americans, you're interested in saving money on energy costs and in doing your part to help the environment. But wouldn't it be great if you could do both? Well, you can! It's through a concept called "beneficial electrification." This utility industry term means the innovations in energy technologies are creating new ways to use electricity instead of on-site fossil fuels, such as propane, natural gas and fuel oil, in a way that reduces overall emissions and energy costs.

In essence, by virtue of being plugged into the grid, the environmental performance of electric devices improves over time. As Central Wisconsin Electric Cooperative (CWEC) and other utilities shift to more options that include renewable energy sources to make existing generation technologies cleaner, electricity will require less fossil fuel per kilowatt-hour of energy produced.

So, here's how this concept impacts you. It means that *electric* appliances such as your water heater, clothes dryer, oven and even your lawn care equipment have the potential to become greener. When we take advantage of advances in technology and the market at the generation point (how the electricity is produced), it means those efficiencies are inherently passed along to you, the consumer-member.

Electricity is getting cleaner

Because large appliances have a typical lifespan of about 10 years, it means that you are able to benefit from the flexibility of the grid in addition to the increased efficiency of the particular appliance. In other words, the high efficiency electric oven you have today could be powered by renewable sources in the near future. This would not be the case with gas appliances where you are essentially locked into the technology of that gas appliance for the 10-year lifespan.

As CWEC is able to tap into more renewable options in the future, your electric appliance has the potential to become greener and more energy efficient. The only way you would be able to benefit from this trend is through an electric appliance.

Small steps to help the environment

For consumers and homeowners looking for more environmentally friendly options, choosing electric appliances, tools and cars over those powered by fossil fuels is an easy solution. Whether through electric lawn mowers, blowers and weed whackers (plug-in or re-chargeable) or through electric water heaters and other appliances,

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beneficial electrification is a means to reducing greenhouse gases and helping our environment. It can also translate into a better quality of life. For example, when you can trade the loud rumble of a gas-powered mower or blower for the quiet efficiency of electric versions, you eliminate the exhaust emissions and the unpleasant noise.

How we're doing our part to help the environment

As the overall energy sector continues to evolve, we are striving to take advantage of the advances in technology and the opportunities of the market as they become available. This means CWEC can leverage the flexibility of the grid to offer a wider range of renewable power selections as we continue to bring safe, reliable and affordable power to our community.

We also promote energy efficiency through the energy conservation rebates we offer, and our home energy audit program.

We care about our community because we live here too. We hope you'll reach out to CWEC, your trusted energy partner, to discuss available renewable energy options and to learn about more ways to reduce your energy use. Because when you participate in the energy efficiency programs and incentives we offer, you're doing your part to save energy and better our environment. While each member's reduction might be small, together, they can lead to significant savings of money and emissions. And that means a brighter future for *all* of us.



Electric Utility Worker Scholarship



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ELECTRIFYING KITCHEN APPLIANCES TO SAVE TIME & MONEY

Whether your oven and stove top are powered by gas or electricity, it's no secret that they consume more energy than smaller countertop appliances, like slow cookers and toaster ovens. In addition to efficiency, smaller kitchen appliances can provide faster cooking times and less hassle with cleanup.

If you're looking for convenient cooking methods with the added bonus of energy efficiency, here are three electrifying appliances for your kitchen:

Air fryers are becoming increasingly popular, and consumers have a lot of good things to say about these handy little appliances. Air fryers use convection to circulate hot air and cook the food—this means little to no oil is required, resulting in healthier meals than those from traditional fryers. Air fryers are fairly small, so they won't take up much of your counter space, and with everything cooked in the fryer, cleanup will be a breeze. Air fryers are available in a variety of sizes, and prices range from \$40 to \$200+.



Electric griddles have certainly been around for a while, and they offer several benefits for any home chef. Griddles are convenient because you can cook everything at once—like a “one-pan” meal, and the possibilities are endless. From fajitas to sandwiches to French toast, griddles can help satisfy any taste buds. They consume small amounts of energy and provide quick cooking times, so your energy bill will thank you. Prices and sizes for griddles vary, but you can typically find one for about \$30 at your local retail stores.

Pizza brings people together, so why not consider a **pizza maker** for your kitchen? These compact, countertop machines are an inexpensive alternative to a costly brick oven, and they use less energy than your traditional oven. Choose your own fresh ingredients to whip up a faster, healthier pizza at home. Plus, most pizza makers are multifunctional and can be used to cook flatbreads, frittatas, quesadillas and more. You can purchase a pizza maker for about \$30 to \$150+ online or at your local retailer.

These are just a few electrifying appliance options for your kitchen. Remember, when you're cooking a smaller meal, countertop appliances can save time and energy.



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DEADLINE: APRIL 1



**A FRIENDLY
REMINDER**

**Electric bill is due:
February 4.**