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Powering a Cleaner Energy Future

Cleaner Energy

Summer 2022

mge

Madison Gas and Electric (MGE) continues to transition our energy supply to more renewable energy to power our households and businesses. Here's a look at recent projects that will help us advance our sustainability goals and achieve net-zero carbon electricity by 2050.

MGE will add our first utility-scale battery storage with construction of the Paris Solar-Battery Park in southeast Wisconsin. We'll own 20 megawatts (MW) of solar energy and 11 MW of battery storage from the 200-MW solar park. MGE's share of the project is enough to power about 6,000 households. Construction is expected to begin this year with the project expected online in 2023.

This is one of several clean energy projects that will help us meet our customers' needs as we continue our transition away from coal-fired electricity with the



MGE's 8-megawatt Hermsdorf Solar Fields serves the City of Madison and the Madison Metropolitan School District.

planned retirement of the Columbia Energy Center in Portage by the end of 2024.

MGE's 8-MW Hermsdorf Solar Fields became fully operational earlier this year. The project provides locally generated solar energy to the City of Madison and the Madison Metropolitan School District under MGE's innovative Renewable Energy Rider for large customers.

Most of the panels in the array are bifacial, which means they produce energy from both sides as they track the sun throughout the day. MGE also is adding pollinator plantings in certain areas of the site to provide habitat for dwindling monarch and honeybee populations.

Working toward net-zero carbon electricity

MGE has a goal to reduce carbon emissions at least 80% by 2030 as we work together toward net-zero carbon electricity by 2050. To achieve deep decarbonization, we're growing our use of renewable energy, engaging customers around energy efficiency and working to electrify transportation.

Video tours of MGE solar arrays

Interested in learning more about other MGE solar energy projects? Visit www.mge.com/solartours to watch tours of the O'Brien Solar Fields in Fitchburg and Morey Field Solar in Middleton!

Simple Dehumidifier Tips for Summer

Our Energy Use

Warmer temperatures are here, which means more humidity in our homes.

While it's important to control high humidity in basements to prevent mold and improve indoor air quality, dehumidifiers can cost as much as \$50 per month to operate. Control moisture and reduce run time by:

- Looking for the ENERGY STAR® label when buying a new dehumidifier.

- Emptying your dehumidifier regularly or connecting the hose to a drain.
- Using a 50% relative humidity setting and checking for leaking hose connections.

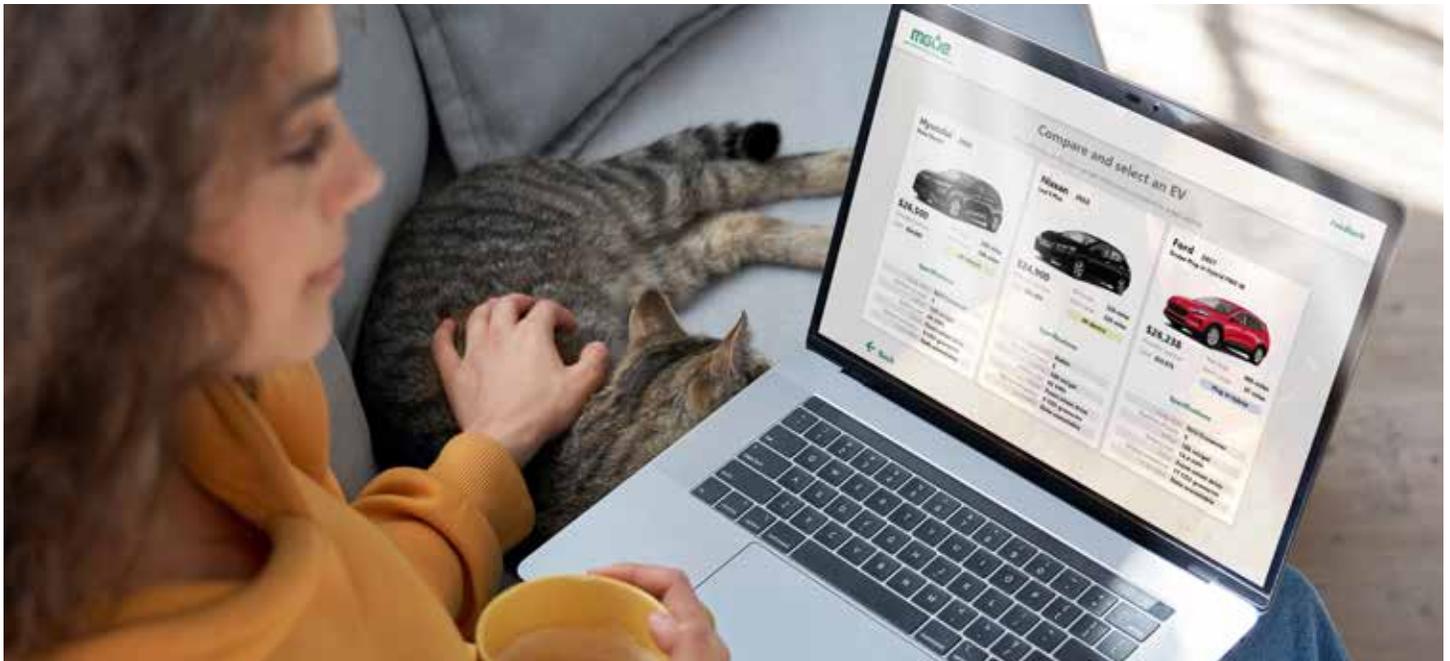
Visit mge2050.com for more tips to save energy and to stay comfortable this summer.

If you're shopping for a new vehicle and considering an electric model, MGE's Explore My EV website can help! This free online tool looks at many factors, such as your daily commute, electricity costs, vehicle costs, maintenance costs and driving range, to make it even easier to choose an electric vehicle (EV).

Explore My EV includes analysis on potential lifetime savings and how many years until you break even on your

investment. You can adjust inputs to compare different financial scenarios, and it even has a map to help you see how far you can go on a single charge. If you're interested in learning more or scheduling a test drive, Explore My EV can connect you with members of the MGE Dealership Network.

There's a lot to love about EVs. Learn more at mge.com/ExploreMyEV.



With MGE's free Explore My EV online tool, drivers can compare available or soon-to-be available vehicles side by side and evaluate potential costs and fuel savings.

Cleaner, Quieter Lawn Care

Innovation

Many homeowners are choosing electric lawn mowers to simplify their lawn care routine and to reduce their environmental footprints. Advances in battery technology have made replacing gas-powered lawn mowers with electric models easier—and more cost-effective.

Going electric means skipping trips to the gas station and eliminating the need to buy motor oil. Plus, electric mowers are quieter with no emissions!

Electric mowers are available in plug-in, cordless and hybrid models and are typically available where traditional mowers are sold. Depending on the model, the cost is less than \$10 per year for electricity. They also are lighter and easier to maintain, and some have push-button or trigger-pull starts!

Want to eliminate the gas can in your garage for good? Electric trimmers, tillers and chain saws also are available.

Join the MGE EV Owners Group

Working Together

Members of MGE's EV Owners Group enjoy 50% off at any charger in our wind-powered public charging network. Our network features 45 public charging stations—including fast chargers—conveniently located throughout the Madison area.



The EV Owners Group helps MGE better understand how EV charging patterns may impact the grid and helps us plan to support the energy needs of EV use in our community.

The electrification of transportation is one of our key strategies for reducing carbon emissions. Partnering with MGE to help grow electric transportation can help us reach shared sustainability goals together!

Learn more at mge.com/EVowners.

Connect with MGE on social media!

Puede leer estos artículos en español en mge2050.com.