



Customer Newsletter  
Volume 1/2020

## The Power of Green Energy

MC Squared Energy Services (mc<sup>2</sup>) launched our Green Electricity Aggregation Program back in 2018, giving Illinois communities the opportunity to support renewable energy resources and become designated as a Green Power Partner Community by the EPA. Since then, 17 Chicago-area communities have joined the program, and we expect that number to continue to grow significantly in 2020!

Last year mc<sup>2</sup> introduced a new green product, the EcoGreen Power Program, which is available to our residential customers. The program is a simple way to reduce your carbon footprint by choosing an electricity program backed by renewable energy certificates (RECs).

The purchase and retirement of green RECs help support the development of sustainable resources, such as wind and solar. One REC represents the environmental attributes of and is issued for every 1,000 kWhs of electricity generated from a renewable energy source to offset its carbon equivalent.

mc<sup>2</sup> is excited to announce that a total of 1.25 Billion kWhs of wind-generated RECs were retired from Midwest states as a result of our various green programs over the past two years, which resulted in the following carbon dioxide offsets:

**MC Squared Energy Services** has reduced the following carbon dioxide equivalents by retiring RECs to support their Green Power Programs in 2018 and 2019.



**2,200,289,181\***

Miles driven by an average passenger vehicle

or



**977,039,978\***

Pounds of coal burned



**2,052,936\*\***

Barrels of oil consumed

or



**99,776,813\*\***

Gallons of gasoline consumed

\* Greenhouse gas emissions from Source Data - United States EPA  
\*\* CO<sub>2</sub> emissions from

## A New Wave of Renewable Energy Sources



Renewable energy is on the rise. With the limited availability wind and solar, researchers are looking for other natural ways to generate power. One of them is the

ability to utilize ocean waves. Sun and wind can only generate electricity when weather conditions are ideal. Waves crash onto shorelines day in and day out, making them an attractive potential new source of clean energy.

However, not all coastlines are ideal for generating wave power. Researchers are looking for “hotspots,” which are areas of the coastline in which an abundance of wave energy occurs. Many factors contribute to these hotspots, such as wind and features of the ocean floor. Researchers are testing which generators would be most efficient in converting the ocean’s power into energy, while ensuring that marine life will not be harmed in the process.

Source: <https://www.sciencenewsforstudents.org/article/ocean-energy-could-be-wave-future>

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MC Squared Energy Services, LLC (mc<sup>2</sup>) is not the same entity as your electric delivery company. You are not required to enroll with mc<sup>2</sup>. As of February 2020, the electric supply price to compare to is currently 7.175 cents per kWh. The electric utility electric supply price will expire on May 2020. The utility electric supply price to compare does not include the purchased electricity adjustment factor (PEA). For more information, go to the Illinois Commerce Commission's free website at [www.pluginillinois.org](http://www.pluginillinois.org). The purchased electricity adjustment factor may range between +.5 cents and -.5 cents per kilowatt hour.



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