



Customer Newsletter  
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## Back to School Energy Efficiency Checklist



It's that time of year again! Summer has come and gone. Now that school is back in session, it's a good time to teach your kids energy-efficient habits by making them aware of what they can do to help. Here's a checklist:

- ✓ Turn off all lights and electronics when you leave a room.
- ✓ Turn off the faucet while you brush your teeth. Only run the water to wet your toothbrush and to rinse.
- ✓ Take shorter showers — try to reduce your total shower time by two minutes.
- ✓ Keep the refrigerator door closed as much as possible to prevent cool air from escaping. The longer it stays open while you look inside, the more energy your fridge needs to work.
- ✓ Carpool with friends.

Another fun way to teach your kids how to be more energy efficient is to play "I Spy Energy Savings" to test their knowledge while out running errands or around the house.

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## Is 100% Renewable Feasible? Here's Why Experts Say Yes.



Many countries recognize the need for and have established goals to achieve the use of renewable energy. But will it ever be possible to switch from fossil fuels to 100% renewable energy sources to meet energy demands of the entire world? A recent study interviewed energy and engineering experts about the feasibility of this goal. Here are the key takeaways:

- The supply capacity from renewable energy resources (solar, wind, geothermal, hydro and biomass) is huge. According to one energy expert<sup>1</sup>, for example, the Earth receives 23,000 TW (terawatts) of solar energy annually, while global energy consumption is only 16 TW (less than 1%).
- A few countries, such as Iceland and Brazil, are already close to supplying 100% of their energy needs from renewables.
- Although it's possible to eventually meet energy demands with 100% renewable energy, it's a goal that comes with challenges. These challenges include reliability, intermittent solar and wind production, development of new utility scale battery and energy storage systems, and heavy reliance on hydro and biomass resources, which some countries may not have access to.

Regardless of these barriers, experts believe that 100% renewable energy supply is an attainable goal for the future.

<sup>1</sup> <https://www.sciencealert.com/these-climate-experts-say-100-renewable-energy-is-completely-feasible-for-entire-countries>

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**Illinois Required Disclosure (ComEd Service Area)**

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 August 2021, the electric supply price to compare is currently 6.776 cents per kWh<sup>1</sup>. The electric utility electric supply price will expire on September 2021. The utility electric supply price to compare does not include the purchased electricity adjustment factor. The purchased electricity adjustment factor may range between +.5 cents and -.5 cents per kilowatt hour. For more information, go to the Illinois Commerce Commission's free website at [www.pluginillinois.org](http://www.pluginillinois.org).

<sup>1</sup> The electric supply price to compare is for residential customers. Electric supply price to compare for other rate classes (in cents per kWh) that are currently applicable include: Watt-Hour Non-Electric Space Heating - 6.807 cents/kWh; Demand Non-Electric Space Heating - 6.843 cents/kWh; Nonresidential Electric Space Heating - 6.650 cents/kWh; Dusk-to-Dawn Lighting - 3.598 cents/kWh; General Lighting - 6.657 cents/kWh.

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<sup>1</sup> The electric supply price to compare listed above is for residential customers. Other rate class rates as of the month above (in cents per kWh): Small General Service (Secondary) - 5.362; Small General Service (Primary) - 5.270; Small General Service (High Voltage) - 5.216.

