



WHAT ARE SOLAR SYSTEMS AND WHY DO WE NEED THEM?

- What are solar systems?
- A Hotter Future is Certain: Impact of Climate change on quality of life
- Resiliency
- Impact Review









- 1. wildfires: Entire town of Tahoe in CA had to evacuate due to widespread natural fires. Because of rapid snow melt and critical dryness at higher elevations, fires can reach elevations upto 8000 feat now.
- 2. Hurricanes: On average, <u>hurricane seasons</u> include only around 14 named storms, with seven of them being hurricanes and only three of those considered major or severe. The assumption for 2021 is that there will be at least 17 named tropical storms, and that number could include as many as eight hurricanes and four major hurricanes.
- 3. Temperatures: July 2021 was Earths Warmest month in record history
- 4. Natural materials: Timber, Climate change could **alter the frequency and intensity of forest disturbances such as insect outbreaks, invasive species, wildfires, and storms**.
- 5. Loss of natural animal habitat: nesting animals, sea animals, you name it



- Electric infrastructures can be compromised
- Local generation becomes a priority
- Emergencies happen

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U.S. electricity customers experienced eight hours of power interruptions in 2020

Average duration of total annual electric power interruptions, United States (2013–2020) hours per customer 9





