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SolarTech Power Solutions

Outdoor power consumption is fast in winter

Overview

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First off, winter peaking is far more common than I expected. In 2018 – which was admittedly a banner year for winter power peaking – we found that one-third of our regions[2] had a higher winter peak than a summer peak. Many of these regions are up in the Northwest or down in the Southeast corners.

EIA’s Short-Term Energy Outlook (STEO) projects that the average residential customer will consume 4% more electricity over December through March compared with the same period last winter. However, this forecast is highly dependent on winter temperatures. If temperatures are warmer than expected.

The amount of electricity being used – called load – is affected by many factors, but mostly by temperature and time of day. In winter and spring, electricity usage starts increasing in the morning around 5 a.m. People begin getting ready for work and school and, on a cold morning, turn the heat.

Mr. Electric explains how weather impacts energy usage and offers practical tips to manage consumption. Humidity affects air conditioning efficiency. Seasonal changes influence lighting needs. Weatherproofing homes reduces energy waste. Smart thermostats help optimize energy use year-round. The.

The Environmental Protection Agency estimates that, on average, 30% of energy used in existing and new commercial buildings is wasted, proving there are vast opportunities to conserve and manage energy. Pinpointing the source of wasted energy isn’t always easy, and it helps to understand how.

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