

## What Californians Need to Know about Cleaner Energy

Last year, former Gov. Jerry Brown signed Senate Bill 100 (SB 100) that would require 100 percent of all electricity delivered to Californians be derived from renewable energy sources by Dec. 31, 2045.

Energy Upgrade California is breaking down the science behind using electricity delivered from renewable energy sources and how we can make a huge impact on our state from this generation to the next.

Here is what you need to know:

1. The state's electrical grid is increasingly powered by clean, renewable sources of energy, when the sun is out and the wind is blowing. This means many residents already have access through their current energy provider!
2. In the early morning, just as we start our day and begin using energy, California taps into a variety of clean energy sources that are naturally available from the sun and the wind.
3. The challenge is in the late afternoon and evening, when our energy use reaches an all-day high just as less clean energy becomes available. At this time, electricity is more likely to be produced by less clean energy, which emit greenhouse gases.
4. At night as we go to bed, our energy use decreases just as California's clean energy produced from the wind farms becomes available.

What does this mean for residents across the Golden State? When residents use cleaner energy, they help to combat climate change and preserve and protect the environment. They also contribute to cleaner air/less air pollution, improved public health, jobs and other economic benefits.

Californians can do their part to keep California golden by shifting to use cleaner energy when it is available and using it efficiently when it is not.



This doesn't mean turning your schedule upside down. Just remember that when you use energy matters as much as how much you use.

Learn more about using cleaner energy and how to join the Keep It Golden movement at <https://www.energyupgradeca.org/time-of-use/>.

