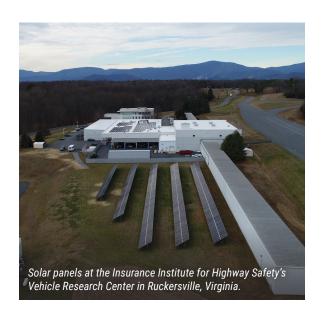


STOP BLEEDING BUDGET ON ENERGY NOW, AND PROTECT YOUR BUSINESS FROM THE COMING DATA-CENTER ENERGY CRUNCH

To stay competitive, medium-size commercial and industrial businesses are finding ways to cut their energy costs by 25% or more in Year One using advanced energy management formerly only available to large enterprises.

Industrial companies in chemicals, iron and steel, food and beverages, cement and concrete, and forest products account for 80% of industrial energy usage, according to the Department of Energy. When it comes to smaller businesses, top energy users include retail stores, restaurants, and hotels. For these businesses, electric power can be their second highest expense after salaries.

Such technologies as on-site solar generation, battery storage, and smart microgrids run by Al also protect big energy users from the risks of unprecedented utility bill increases and even power outages that experts predict may come as rapid growth in data centers outstrips the ability of utilities to meet spiking demand for power.





SUCCESS STORY

The Vehicle Research Center in Ruckersville, VA run by the Insurance Institute for Highway Safety incurred high power costs running bright lighting required for fast cameras to capture clear images of moving crash tests of new cars and light trucks.

Secure Solar Futures helped the IIHS realize significant money savings with two technologies. First, we installed outdoor solar arrays with a capacity of 465 kilowatts at two locations, helping them meet some of their own electricity demand and cut their need for utility power.

Second, based on a detailed analysis of the fees set by their utility rate tariff, we helped the IIHS cut their monthly peak demand charge by counseling them to reduce the maximum time running the camera lights to shorter than the 15-minute monthly interval calculated by their utility as a demand peak. **Together, solar power and peak demand shaving are set to cut half a million dollars off IIHS electric bills over the next 35 years.**

HOW TECHNOLOGY CAN SAVE MONEY NOW AND PROTECT YOU IN THE FUTURE

PROVIDE SOME OF YOUR OWN POWER By generating solar power, your business can save up to 30% on every kilowatt hour of electricity it uses. And you can get started with solar for no upfront cost through a Power Purchase Agreement, where we install, own, and operate your solar panels and sell you all their electricity at a lower cost than utility power.

REDUCE THE COST OF THE GRID ENERGY YOU STILL USE At home, you always pay the same amount for every kilowatt hour of power, no matter how much power you use during the month or when you use that power. But depending on the terms of your utility rate tariff, your cost per unit of energy may go up or down a) depending on the time of year, the day, and time you use power, b) as well as your monthly "peak demand" or level of maximum usage. Utilities typically offer several rate schedules to businesses, and each one calculates your charges differently. It can be hard to understand—but our experts will analyze your electric bill considering the rate tariff assigned to your business. Then, we'll suggest the easiest ways to save the most on the power that you still buy from your utility.

GET READY FOR THE DATA CENTER POWER CRUNCH A new data center can demand as much power as a small city, and led by Virginia, the top location for data centers worldwide, certain areas of the country have been adding new data centers faster than they've added new grid power. "Growing energy demand from data centers is likely to increase other customers' costs," predicts a 2024 report to the Virginia Governor and General Assembly. Even more concerning, experts warn of rolling blackouts. To protect your business from both utility cost spikes at peak usage times and power outages, solar energy generated on site and stored in batteries as part of an Al-managed microgrid can provide reliable backup power more affordably than gas or diesel generators.





Rooftop solar arrays help power InterChange Group's warehouses. This solar energy system is expected so save the company \$4,904,414 in avoided utility power over the 35-year lifetime of the solar arrays.

WHY WORK WITH US?

For nearly two decades, **Secure Solar Futures** has helped businesses save money by understanding how they use energy and how their utility bills them for power to target changes to yield the highest return in both the short and long terms.

