

SimplControls

Building Automation, Control and Energy Management

Traditional suppliers of building automation systems generally supply systems that are designed for medium and large buildings ranging from 20,000 sq. Ft. and higher.

Building automation, energy, and peak power management is generally unaffordable for organizations that operate in smaller buildings – such as fast food restaurants, convenience stores, small retailers. Expensive equipment and costly installation procedures are the root cause.

SimplControls is a modular approach that is entirely wireless, reducing the cost of the equipment and installation by more than 50%.

SimplControls is the first product in the market to bring the benefits of an affordable building management system to small buildings using a 100% wireless system.



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Peak Power Management



Utility companies charge for peak power consumption. They divide each month into approximately 3,000 buckets which are called 15-minute intervals.

EVERY MONTH, YOU ARE CHARGED FOR THE LARGEST BUCKET. This is commonly referred to as demand charges on the monthly electricity bill.

For a typical restaurant, convenience store or retailer, demand charges account for 20% to 60% of the monthly electricity bill.

We design, build, and manage a SimplControls system with \$0 investment from you. You save 10% to 20% on your electricity bill and pay us as your savings roll in.

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Reduce Solar's Payback Period



Most commercial solar customers are negatively impacted by demand charges. Solar does a great job of reducing energy costs. However, peak power remains unchecked and since in most cases it constitutes 25% to 60% of the electricity charges, the impact of solar on reducing the electricity bill is diminished.

SimplControls manages HVAC, refrigeration and water heaters, to name a few, and reduces demand charges by up to 20%.

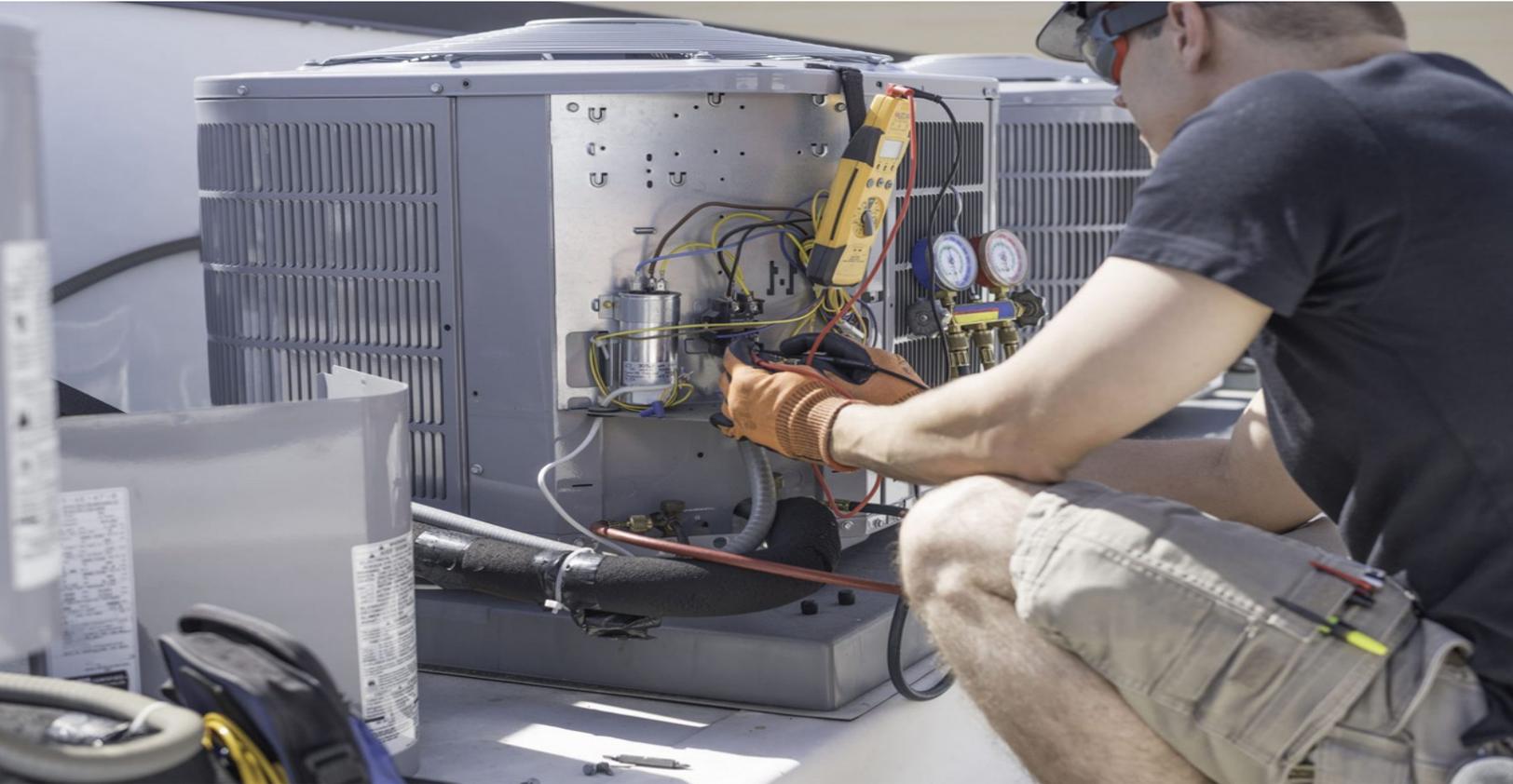
In addition, when SimplControls is installed as part of the solar installation, it qualifies for the federal tax credits; which are currently 26%.

Combining all these factors results in a reduction of the payback period by 20% to 40%.

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Preventative Maintenance



When a building electrical load is shed as part of the peak power management process, the building power level is decreased by a certain amount.

This decrease in power level is recorded in our database and is assigned to the particular unit that was shed.

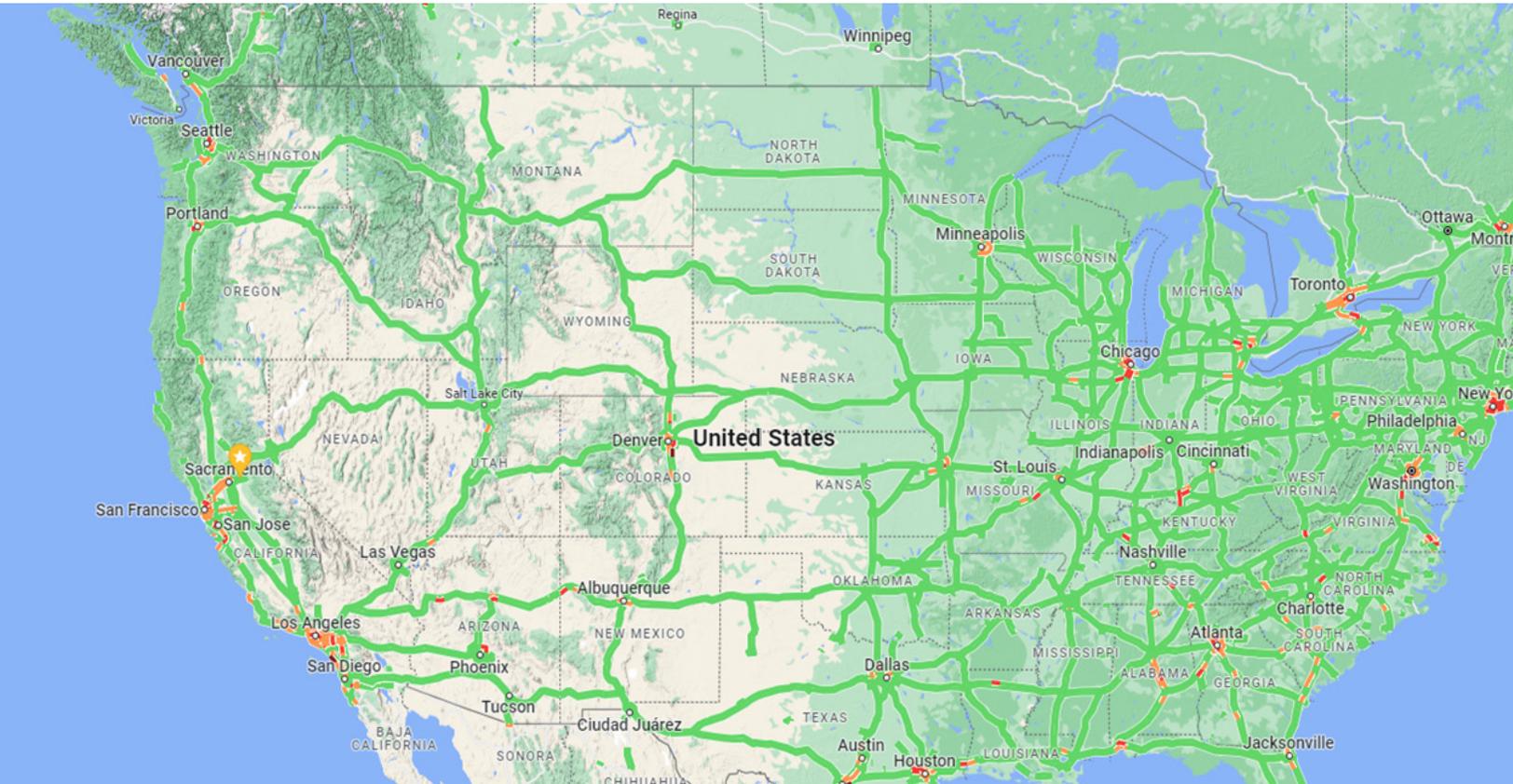
The running average of the power consumption for each of the electrical loads that are managed by the system is computed and stored in our database on a continuous basis.

During the system setup, we assign an upper band around the running average power consumption and report to the master user or the maintenance staff if the upper band is exceeded.

This provides the system owner the ability to perform preventative maintenance which would lead to avoiding unscheduled, and often expensive, repairs.

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Fleet Management



Most of our customers manage multiple locations in various regions of the US which may have different operating hours, temperature bands and lighting levels required inside or outside the store.

Each time a store is set up and SimplControls is commissioned, it is important to be able to include any single store as part of a larger fleet of stores.

The ability to set and manage store operating hours or parameters by managing an overall regional set of stores is what we refer to as "Fleet Management".

Corporate managers, are able to manage a large fleet of locations using consistent setting and parameters.

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Benefits:

- Reduce demand charges by 10% to 20%.
- Reduce corporate-wide energy costs by controlling all electrical loads at store-level or as a fleet of stores.
- Improve payback period for your solar system by 20% to 40%.
- Manage multiple locations as a fleet; improve control over assets and expenses.
- Provide actionable information for preventative maintenance by recording power consumption of all appliances controlled by SimplControls over long periods of time.
- Set location-level and fleet-level operating parameters for HVAC units, lighting units and other electrical loads.
- Control key electrical load appliances during operating hours and after hours.
- Automate HVAC controls at location levels and fleet levels.
- Automate lighting controls at location or fleet levels.
- Store all operating parameters and the resulting operating data in a readily-accessible database to fine-tune operations and to provide insights to everyone in your organization.
- Add controls to additional electrical loads using Simpl's proprietary wireless system requiring no additional commissioning.

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By

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