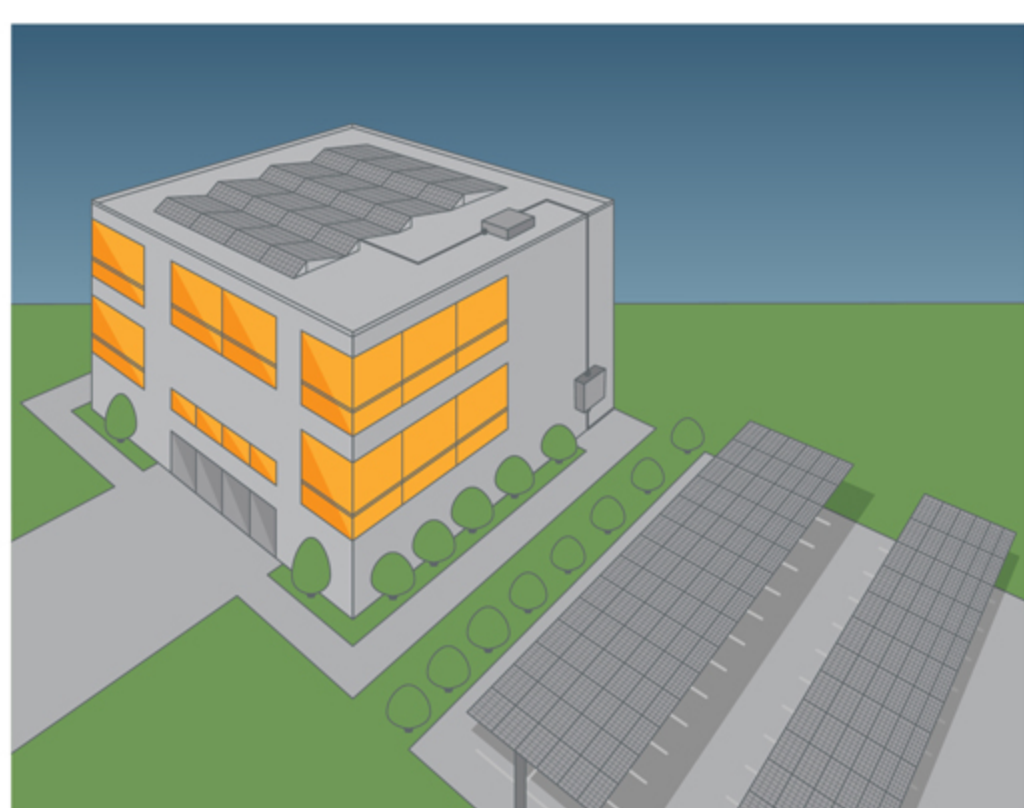
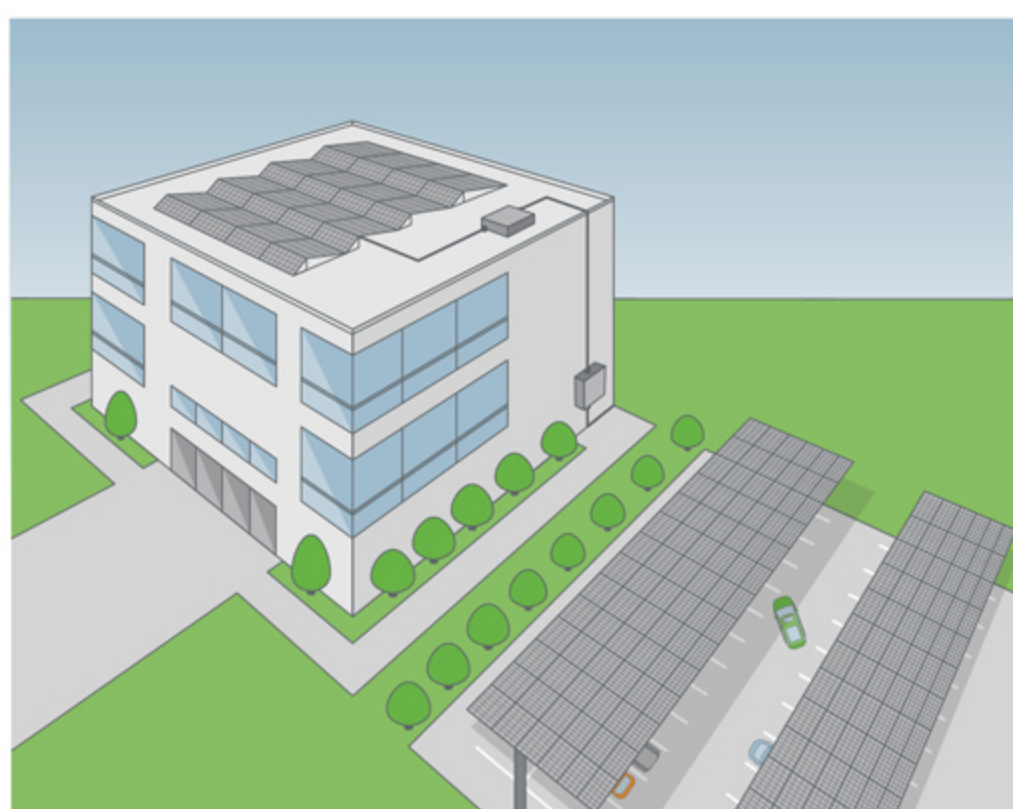


Commercial Battery Storage

101

1 Commercial solar delivers energy to your organization when the sun shines. This clean electricity replaces what you would pay to use from the grid, saving you money.

Many areas offer net metering, allowing you to send excess energy back to the grid for credit (and savings) on your electric bill.

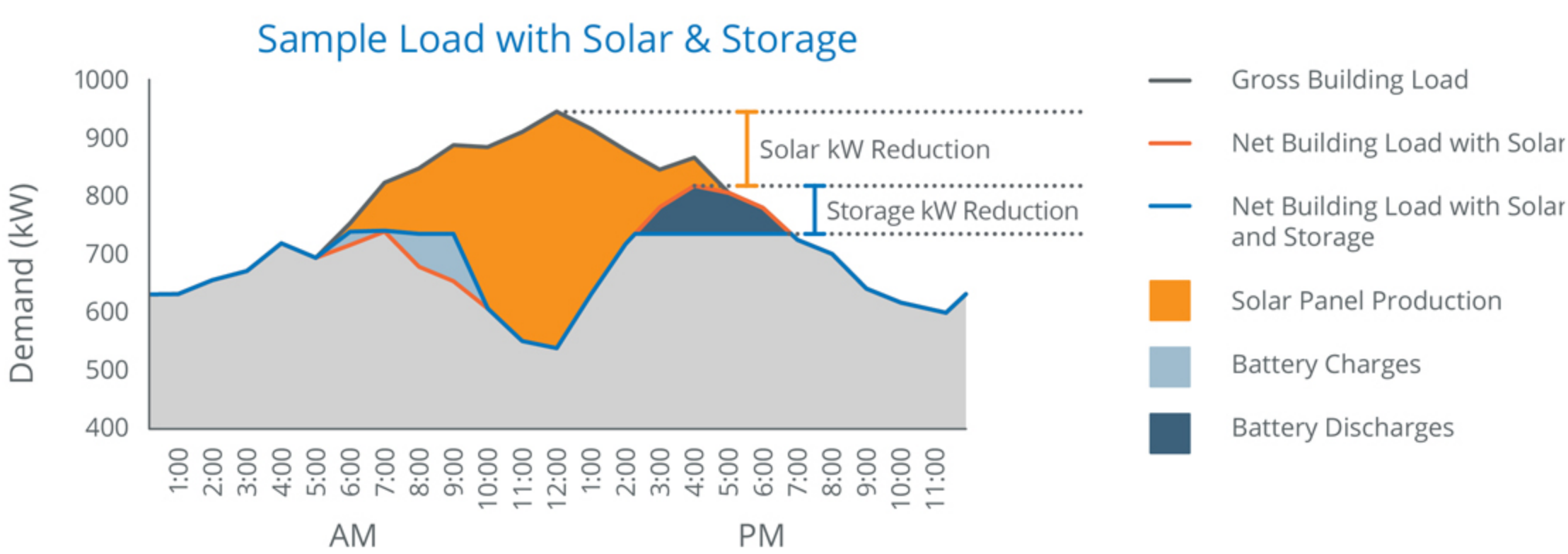
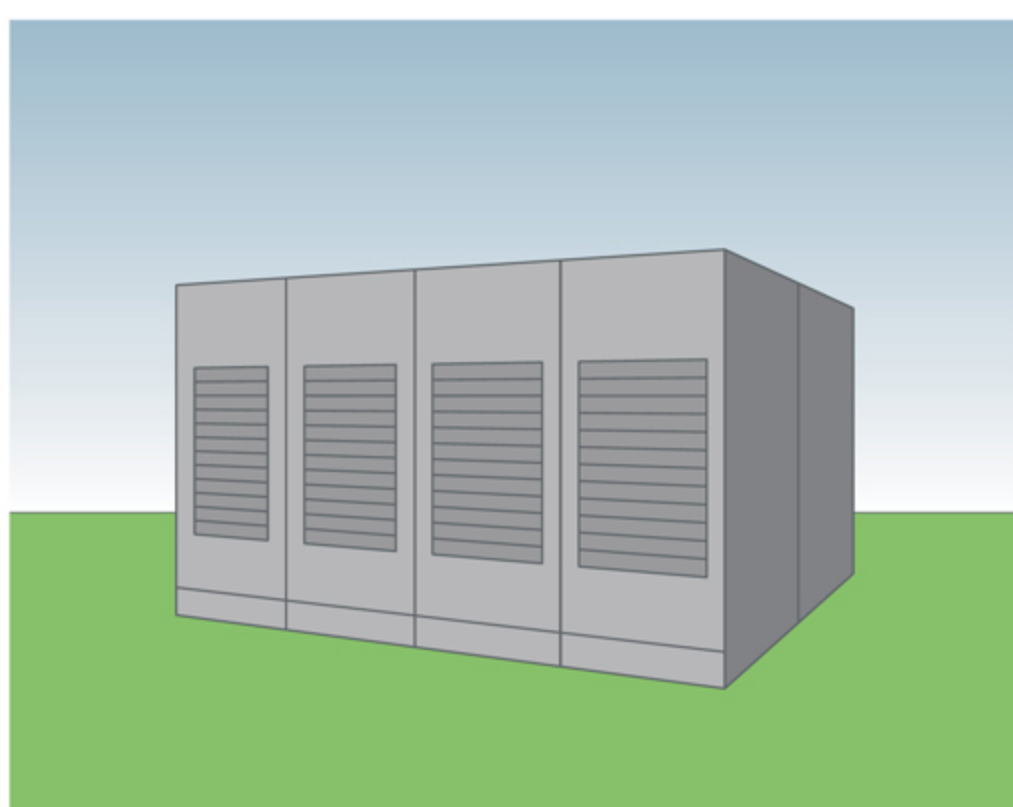


2 If your energy usage is still high before or after times when your solar system is generating electricity, battery storage can potentially save you even more.

These batteries are very similar to those used in cell phones, cordless drills and electric cars.

3 Battery storage systems are often used to level off (or “shave”) the peak periods of electricity demand that occur when the sun is not shining, and you are still using a lot of electricity.

Battery cabinets look like high-tech fridges and are installed outside the building. Like solar panels, they require an inverter.



4 Using programmable software, batteries charge when sunlight is plentiful (and your solar system is generating electricity), then discharge when it’s not, and yet your energy usage is still high.

5 Leveling off these spikes in demand could significantly lower electricity costs by reducing demand charges, which can amount to a large percentage of your electric bill, even with solar installed.

Demand charges are paid to your utility and calculated based on the highest energy demand “spike” over a standard period of time (usually a month). Whether your organization hits that peak demand once, or frequently within that time frame, you will pay the same demand charge.

Learn more about sustainability, renewable energy and the solar industry.
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