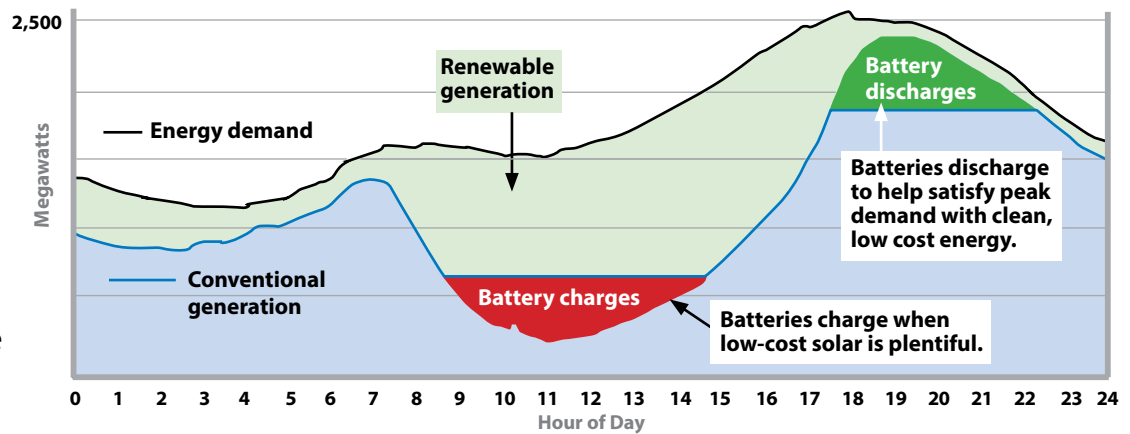




BATTERY ENERGY STORAGE

Reliable power when our community needs it most

Battery energy storage systems are responsive, flexible and fast. They provide reliable service to homes, businesses and public facilities while supporting growth in our community. TEP's batteries enable the use of affordable solar energy to meet peak energy needs.



Key Benefits

Affordable energy on demand

- Deploy energy when customers' energy needs are greatest, supporting reliable service during hot summer afternoons and evenings.

Better use of solar

- Charge during morning and early afternoon when lower-cost solar generation is plentiful.
- Stored energy is delivered to customers later in the day instead of using higher-cost generation.

Strong reliability

- Respond almost instantly to compensate for lost generation caused by weather damage, equipment outages or other unexpected events.
- Provide frequency and voltage regulation, transmission constraints.

Lower costs for customers

- Help reduce fuel and purchased power costs, supporting more stable rates over time.

Improved renewable energy integration

- Fast, flexible energy deployment compensates for rapid, frequent increases and decreases in energy production of wind and solar resources.

Support a growing community

- Enable 99.9 percent service reliability and provides additional capacity to serve growing energy needs.

TEP By the Numbers



550 MW

Battery storage capacity



1,000%

Capacity growth in less than one year



4 HOURS

Duration for which most TEP batteries can provide energy at peak capacity.



84,000

Homes served for four hours by 400 MW Roadrunner Reserve system

Learn More

June 2026

TEP Expands Battery Storage 1,000 Percent in One Year
tep.com/news/tep-expands-battery-storage-1000-percent-in-one-year-no-really/

October 2025

Sweltering Heat and Record Energy Demand? No Sweat - TEP Had it Covered
tep.com/news/sweltering-heat-and-record-energy-demand-no-sweat-tep-had-it-covered/

July 2025

TEP's Largest Battery System to Support Customers Through Summer Heat
tep.com/news/teps-largest-battery-system-to-support-customers-through-summer-heat/

March 2024

Storage Helps Solar Shine Around the Clock
tep.com/news/storage-helps-solar-shine-all-day/