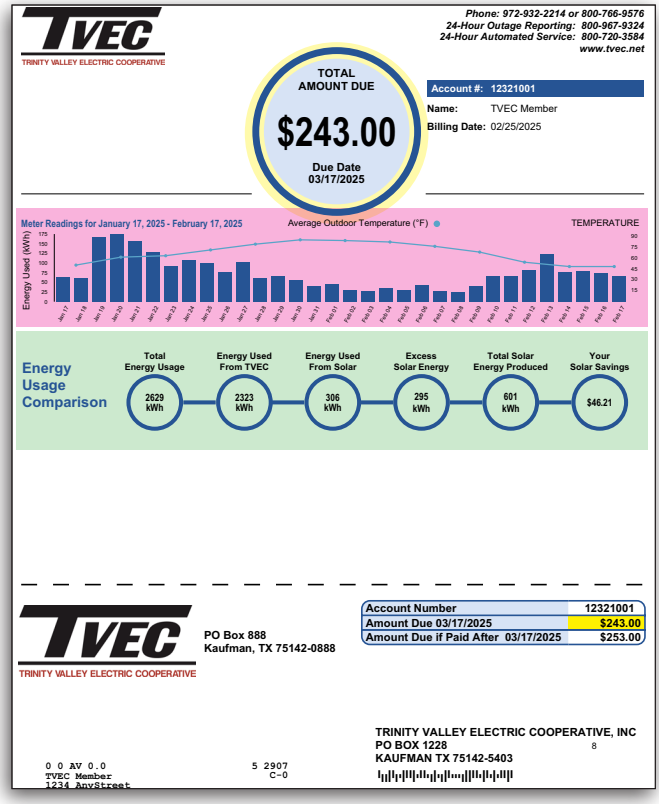
TRINITY VALLEY ELECTRIC COOPERATIVE

DER / Solar: Understanding Your Bill


TRINITY VALLEY ELECTRIC COOPERATIVE

Phone: 972-932-2214 or 800-766-9576
24-Hour Outage Reporting: 800-967-9324
24-Hour Automated Service: 800-720-3584
www.tvec.net

TOTAL AMOUNT DUE
$243.00
Due Date 03/17/2025

Account #: 12321001
Name: TVEC Member
Billing Date: 02/25/2025

Meter Readings for January 17, 2025 - February 17, 2025
Average Outdoor Temperature (°F)
TEMPERATURE
Energy Used (kWh)

Energy Usage Comparison

Total Energy Usage	Energy Used From TVEC	Energy Used From Solar	Excess Solar Energy	Total Solar Energy Produced	Your Solar Savings
2629 kWh	2323 kWh	306 kWh	295 kWh	601 kWh	$46.21

TRINITY VALLEY ELECTRIC COOPERATIVE
PO Box 888
Kaufman, TX 75142-0888

Account Number	12321001
Amount Due 03/17/2025	$243.00
Amount Due if Paid After 03/17/2025	$253.00

TRINITY VALLEY ELECTRIC COOPERATIVE, INC
PO BOX 1228
KAUFMAN TX 75142-5403

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TVEC Member
1234 AnyStreet

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Total Amount Due: Bill amount (or credit) for energy from TVEC. This accounts for all previous and current solar credits.

Usage Graph: Shows your daily energy usage supplied by TVEC for the current billing period, but it does not depict any solar generation.

Energy Usage Comparison:

Total Energy Usage: The total electricity consumed at the location, including both grid and solar energy.

Energy Used From TVEC: The electricity from the TVEC utility grid consumed at the location.

Energy Used From Solar: The electricity you consume directly from your solar system.

Excess Solar Energy: The energy your system produced that was exported to the TVEC grid.

Total Solar Energy Produced: The total electricity your DER system generated, including what you consumed and any excess exported to the TVEC grid.

Your Solar Savings: The monthly monetary value of your DER system during the billing period. This includes the amount saved by not purchasing electricity from the grid (your energy used from solar) along with the excess production bought by TVEC at the avoided cost rate.

Managing Solar Use For Maximum Value

tvec.net/der

Timing your energy usage to match your solar system's output provides the best value for your solar investment. Solar panels generate electricity when the sun shines.

- During the day, your panels may produce more energy than your home needs, sending the extra energy back to the grid (excess solar).
- When your panels are not producing, the energy you use must come from the grid.

For most installations, you save the most by using the energy from your panels rather than sending it back to the grid. Shifting that energy usage away from evenings and nights—matching your usage patterns to the solar production hours—will maximize the value from your panels.

Solar Energy Variability

Solar production depends on sunlight, which varies seasonally, as well as throughout each day depending on weather conditions. If your home needs more power than your solar panels are generating at a given time, like a cloudy day, energy from the grid fills that gap.

Energy Demand Peaks

When you use a lot of energy at once, with multiple large appliances, heaters or other major demands, your solar system might not produce enough power in the moment. During these peaks, your home will draw additional power from the TVEC grid.

Energy Storage Limitations

If your installation includes battery storage, energy may be stored for later use. For panel-only systems, any excess solar energy generated during the day is sent to the grid instead of being stored for later use. At night or during periods of low solar production, your home relies on TVEC to supply energy.