

YOUR FREE ENERGY REPORT / ILLUSTRATIVE EXAMPLE

More outdoor living. Less electricity to buy.

Explore how a solar canopy can turn a patio, outdoor dining area or carport into covered space that also produces electricity.



Residential application example. Final site design and appearance vary.

STANDARD LOUNGE CONFIGURATION

5.90 kW DC

18.8 ft x 15.8 ft | 10 x 590 W modules

Infinity Rack INFR10-AP-5X2 | St. Louis production example

MODELED FIRST-YEAR OUTPUT

8,125 kWh

About 677 kWh per month on average

EXAMPLE FIRST-YEAR BILL REDUCTION

\$1,037

About \$86/month as an annual average

Where the bill reduction comes from

\$915 in electricity purchases avoided when 70% of the solar output is used at home, plus \$122 in export credits when the remaining 30% receives an assumed 5 cents/kWh. These are example inputs, not your utility's confirmed terms.

Solar used at home can replace electricity you would otherwise buy. Your tariff, daytime use, shading and export rules determine the result. Fixed utility charges remain. Equipment, installation, financing and operating costs are not deducted from these figures.

[Schedule a Home Canopy Consultation](#)

Discuss your space, utility bill, preferred canopy and a contractor estimate.

YOUR LONGER VIEW / BENEFITS AND NEXT STEPS

See the potential add up.

Cumulative utility bill reductions in the same example, before all project costs.



At 25 years: \$34,068 with 3% retail-rate growth, compared with \$24,427 at a flat rate. Both scenarios assume 0.5% annual output decline and a fixed 5 cents/kWh export credit. Higher future rates increase the value of power used at home.

Read this as potential utility bill reduction, not net project savings. A full savings/payback estimate needs the installed price, financing, maintenance and replacement costs. No incentive, resale value, storage benefit or discounted present value is included.

More value for your home?

Research on owned solar PV has found resale premiums. A canopy also adds usable covered space. Its actual appraisal or resale effect depends on the local market, ownership, condition and approved design. No dollar uplift is estimated here.

[Read the Berkeley Lab solar-home study](#)

Check local opportunities

State, local or utility incentives may be available for qualifying equipment. USS can review programs for your address and utility. Availability and eligibility vary; no award is guaranteed or included in this example.

[Explore DSIRE incentive information](#)

Federal credit update: The residential section 25D credit is unavailable for property placed in service after December 31, 2025. No federal homeowner credit is assumed. [IRS guidance](#).

Make it yours: Discuss lighting, weather-rated music/audio and compatible storage/controls. Add-ons, installation, permits, utility interconnection, inverters, additional equipment and site work are separately quoted by your service contractor. This is not an installed-project quote.

Model notes: Supplied St. Louis PVWatts profile: 24,237 kWh/year at 17.6 kW DC, scaled to 5.90 kW; south-facing, 20-degree tilt, 14.08% losses, no extra bifacial gain. Rate: 16.09 cents/kWh, EIA Missouri residential average, July 2026. Self-use 70%, export 30% at 5 cents/kWh, 3% annual retail growth and 0.5% annual output decline are illustration assumptions. Your location, design and tariff must be modeled separately.

Rate source: EIA | Model basis: supplied PVWatts report