Grid-Tied Commercial System
Cox Communications Solar Power Installation in Tucson, AZ

This 21kW elevated solar racking structure was installed as a continuation of the partnership between Alpha and Cox Communications to support Cox leadership in solar energy deployments in Arizona. The system will provide clean and low-cost power for onsite business operations for the next 20 to 25 years.

As one of three solar power installations commissioned at Cox Arizona locations so far, the 21kW Tucson system consists of 120 photovoltaic panels supported by an elevated solar racking structure that was designed and installed by Alpha, covering 18 parking spaces.

The system will generate more than 32,000kWh per year, enough to power about 3 homes and prevent the emissions of more than 39,105lbs of CO₂ per year.

All photovoltaic systems deployed by Cox Arizona include real-time performance monitoring systems that track and record performance data including power produced and metrics to energy offsets.

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Solar Electricity Production

These estimates are based on thirty years of solar radiation data collected near Phoenix, AZ by the USA National Renewable Energy Laboratory. They represent long-term production estimates based on the size of the solar array, solar panel tilt and orientation. Actual production may vary, due to factors including, but not limited to, site-specific shading and solar panel temperature.
Progression Photos
Cox Communications Solar Power Installation in Tucson, AZ

Site before construction

Construction complete in 45 days

Alpha coordinated all construction, permitting and inspections

Required (1) 7kW and (2) 6kW inverters

Onsite project management

Required 120 PV modules

Created 18 covered parking spaces for Cox employees and customers

Will generate more than 32,000kWh per year

Visible from the street, highlighting Cox’s renewable energy commitment