

Grid-Tied Commercial System

Cox Communications Solar Power Installation in Union Hills, AZ



This 69.3kW elevated solar racking structure was installed as a continuation of the partnership between alpha and Cox Communications to support Cox's 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.

Located right off the Black Canyon Freeway, a major freeway artery, the 69.3kW Union Hills system consists of 396 photovoltaic panels supported by an elevated solar racking structure that was designed and installed by Alpha, covering 60 parking spaces.

The system will generate more than 108,000kWh per year, enough to power 11 homes and prevent the emissions of more than 130,000lbs of CO₂ per year. All photovoltaic systems deployed by Cox AZ include real-time performance monitoring systems that track and record performance data including power produced and metrics to energy offsets.

System Specifications	
System Power:	69.3kW
PV Array:	(396) 175W panels
Inverters:	(1) 30kW, (1) 50kW
Covered Parking Spaces:	60
Warranty:	20 year inverter warranty, 20 year module warranty

