

Grid-Tied Commercial System

Cox Communications Solar Power Installation in Tucson, AZ



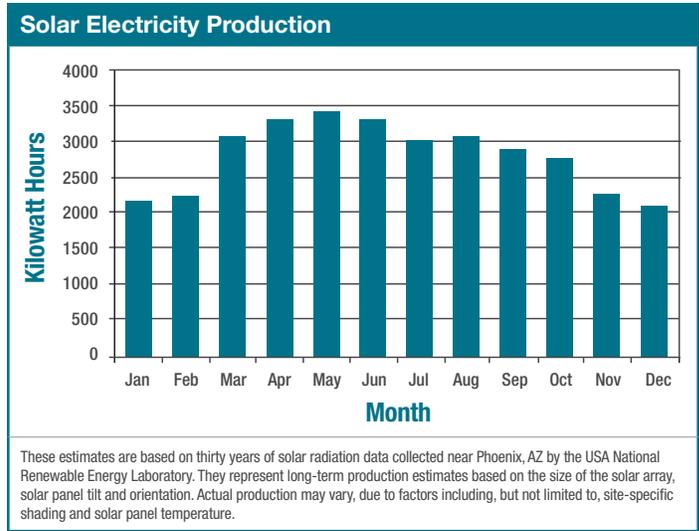
This 21kW elevated solar racking structure was installed as a continuation of the partnership between Alpha and Cox Communications to support Cox leadership in solar energy deployments in Arizona. The system will provide clean and low-cost power for onsite business operations for the next 20 to 25 years.

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.

System Specifications	
System Power:	21kW
PV Array:	(120) 175W Panels
Inverters:	(1) 7kW, (2) 6kW
Covered Parking Spaces:	18
Warranty:	10 year inverter warranty, 25 year module limited warranty



Progression Photos

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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