

PV on a Pole™

BENEFITS

- PV on a Pole **costs less than \$3 per watt** fully installed.
- PV on a Pole is **suitable at any home** with available space and direct sunlight.
- PV on a Pole can be **installed in the ground** at homes that cannot support rooftop solar, such as manufactured homes.
- Electricity rates and household electric demand vary, but in some cases, PV on a Pole **can offset up to half of a household's electric bill**.
- PV on a Pole could work with a **variety of flexible financing terms**.



Victor Perez stands next to his PV on a Pole installation at Nambe Pueblo, New Mexico.

ECMD seeks partners—cities, states, and tribal governments, electric utilities, nonprofits, and solar companies—to scale PV on a Pole deployment. If you are interested in learning more about PV on a Pole, please contact:

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[www.emnrd.state.nm.us/ECMD/
RenewableEnergy/solar.html](http://www.emnrd.state.nm.us/ECMD/RenewableEnergy/solar.html)

PV on a Pole™

A Versatile and Affordable Solar Solution to Cut Electricity Bills



PV on a Pole is a standalone photovoltaic (PV) system comprised of four solar panels mounted atop a vertical pole.

This new solar product, developed by the New Mexico Energy Conservation and Management Division (ECMD), **provides a minimum of 1.32 kilowatts of electric capacity.**



PV on a Pole™

is easy to install

PV on a Pole can be **installed in under four hours** with a truck-mounted auger drill.

PV on a Pole can be **removed, transported, and reinstalled** during the lifetime of a system.

PV on a Pole **does not require any roof improvements** or roof load considerations that could impact the feasibility of rooftop solar panels.

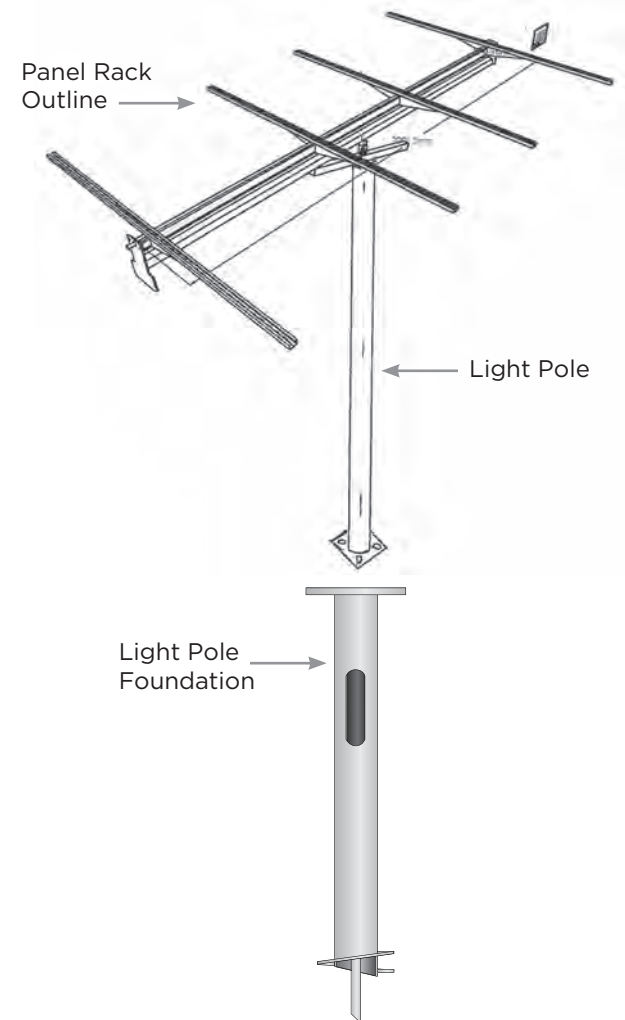
In areas that require shading, the PV panels can be **installed to provide shade and cooling** while maximizing the available solar resources.



Standardized production and assembly, screw-mounted installation, and flexible financing terms make PV on a Pole a versatile and affordable solution for a variety of households, including manufactured homes that often cannot support the weight of roof-mounted solar panels.



Light pole foundation attached to the driving machine, ready to install. Machine and operator courtesy Jemez Mountain Electric Coop.



With PV on a Pole, land use is minimal. The components of the system are the panel mounts, the light pole, and pole foundation

ECMD has installed and tested several prototypes of PV on a Pole and is **looking for new partners** to demonstrate, commercialize, and adopt this innovative solar system design.