

**RESERVED
PARKING**



**ELECTRIC
VEHICLES ONLY**

POWERED BY

mtvSolar.com

877.96.SOLAR



Solar Powered EV Charging

Building West Virginia's
Alternative Fuel
Refueling Infrastructure

Solar PV provides electricity
at the point of use.



APUS 407kW solar array West Virginia's largest



1600 - 250 watt American made solar panels



The more Charging Stations,
the more EV's we'll see on the road.





Businesses providing free EV charging for employees & customers.



How much Solar per Charging Station?



Sizing residential Solar EV refueling systems

- EV will travel 3.5 - 4 miles per kilowatt hour (kWh)
- 1 kilowatt (kW) of solar will produce 1200 kWh/ year
- 3.6 kW solar array will produce 4,320 kWh/ year
- Enough electricity to travel 15,000 miles



EV Cost Analysis

15000 Miles Annually	Cost per Mile	Annual Cost	Miles per Dollar
SUV (15 MPG)	\$ 0.23	\$ 3,450.00	4.3 miles
Truck (20 mpg)	\$ 0.17	\$ 2,625.00	5.7 miles
Sedan (30 mpg)	\$ 0.11	\$ 1,750.00	8.5 miles
Compact (40 mpg)	\$ 0.09	\$ 1,312.00	11.4 miles
EV (3.5 Miles per kW)	\$ 0.03	\$ 428.00	35 miles



System with Battery Back-up







