

A map of West Virginia is shown in the upper left, filled with a blue grid pattern. The rest of the background is a solid blue color. A thick green diagonal line runs from the bottom left towards the top right. The text "Energize WV" is written in a large, white, serif font with a black outline and a drop shadow, positioned in the upper right.

Energize WV

The logo for mtvSolar is located in the bottom right. It features the text "mtvSolar" in a green, sans-serif font. The "S" is replaced by a stylized yellow sun with rays. The logo is framed by two curved lines, one yellow on top and one green on the bottom.

mtvSolar



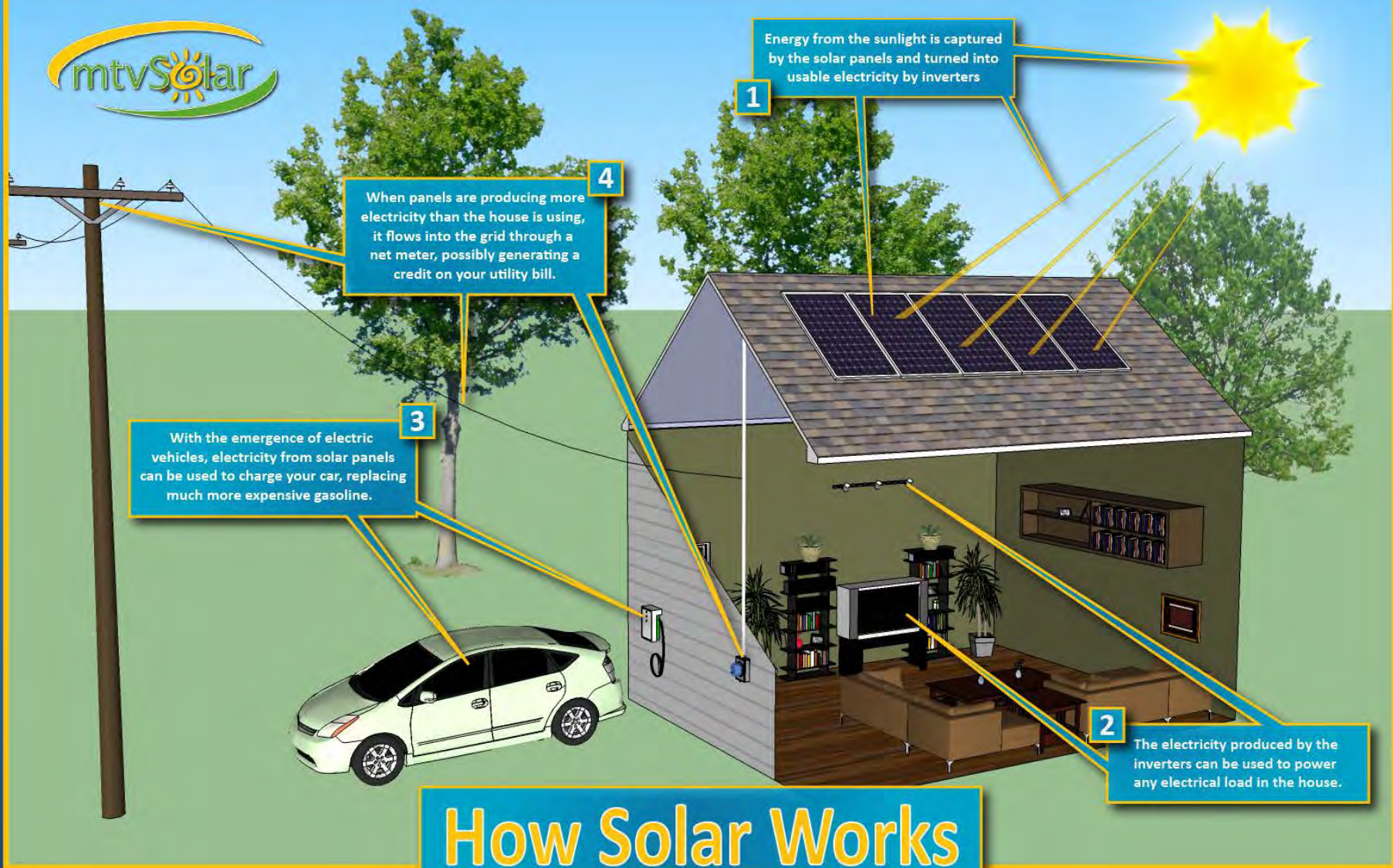
West Virginia Solar Industry Growth



WHY SOLAR POWER MAKES SENSE

- Every hour enough solar radiation strikes the surface of the earth to satisfy global power demand for one full year. (NREL)
- Solar Power is distributed power (it is produced where you need it).
- Solar Power “flattens” the demand curve (it is produced when it’s needed most).
- It is a domestic power source!





Energy from the sunlight is captured by the solar panels and turned into usable electricity by inverters

1

When panels are producing more electricity than the house is using, it flows into the grid through a net meter, possibly generating a credit on your utility bill.

4

With the emergence of electric vehicles, electricity from solar panels can be used to charge your car, replacing much more expensive gasoline.

3

The electricity produced by the inverters can be used to power any electrical load in the house.

2

How Solar Works

©Mountain View Solar 2012

WHY SOLAR IS GROWING IN WV

- Solar is a way to lower your electric bill forever
- Federal and state tax credits help to offset initial cost
- Solar can be a source of back up power when the grid is down
- Solar is installed by building and electrical contractors and is a good job creator in WV
- Solar doesn't work without a baseline fuel source



Industry Growth 2009-2012

- 2009 less than 50kW PV installed state-wide, mostly residential
- 2010 WV residential solar state tax credit enacted.
- 2012 Over a Megawatt (1,000 kW) of solar currently in WV
- 1 megawatt creates enough energy to power 100 homes per year, for over 40 years.

















Residential Solar
8.93kW 38 Panel







Electric Vehicles (EV)



12 Solar Panels creates enough fuel to run this Electric Vehicle 15,000 miles a year for 40 years



EV Charging Stations at APUS



EV Charge Stations at Martin Distributing



EV Charge Station in Garage Solar Battery Backup









































Scott's Run Settlement House
3.96kW 18 Panel



























Warm Springs Middle School
1.8kW 8 Panel



Department of Environmental Protection
25.38kW 108 Panel



Department of Environmental Protection
25.38kW 108 Panel





Appalachian Offroad

KTM

Solar Array Consisting Of

144 American Made Solarworld 220watt Solar Modules
Producing Approximately 36,750 kWh Annually

1.877.96.SOLAR www.mtvsolar.com
257 JR Hawvermale Way Berkeley Springs WV 25411

Proudly Installed By Mountain View Solar





Morgan County Courthouse
25.38kW 108 Panel





Mountain Line Transit Authority 140kW



Brown's Funeral Home
25.38kW 108 Panel



Hurricane Waste Water Treatment Plant
19.74kW 84 Panel





APUS 407kW system- 1600 panels West Virginia's largest solar array





