

A map of West Virginia is shown in the upper left corner, filled with a blue grid pattern. The rest of the background is a yellow map of the state with orange lines representing major roads. Highway shields for 77, 33, 19, 79, and 50 are visible. The text "Energize WV" is written in a large, white, serif font with a black drop shadow, positioned over the top right of the map.

Energize WV

The logo for mtvSolar is located in the bottom right. It features the word "mtv" in a green, lowercase, sans-serif font, followed by "Solar" in the same font. The letter "o" in "Solar" is replaced by a yellow sun icon with rays. The entire logo is framed by two curved, swooping lines: a yellow one on top and a green one on the bottom.

mtvSolar

Mountain View Solar





Mission

Enable people throughout the region to utilize solar energy to experience energy independence and environmental stewardship.

Vision

Expand the awareness and use of renewable energy, through installation, education, and community outreach.

Company Profile

A family-owned business serving the mid-Atlantic region from our headquarters in the Eastern Panhandle of West Virginia.

In 1996, began as Mountain View Builders, a custom home builder with a focus on green building practices.

In 2006, transitioned to renewable energy systems (wind turbines, solar PV and solar hot water)

In 2009, founded Mountain View Solar and Wind, LLC

Over 600 Residential installations, numerous commercial projects with over 10 Mega Watts of solar deployed.

Full portfolio including residential, commercial, municipal, agricultural, electric vehicle charging stations, battery backup and generator systems.

Awards and Recognition

2012 U.S. Small Business Administration's West Virginia
Entrepreneurial Success of the Year recipient

2010 Interstate Renewable Energy Council's (IREC) Innovation
Award for our work in West Virginia

2008 Green Entrepreneur award from the West Virginia
Environmental Council

Featured in numerous regional and national media programs
and publications, including the New York Times, the
Washington Post, NPR and the BBC.

mtvSolar Family



Advocacy

Renewable energy policy support at the legislative level.

Education and Advocacy Programs for community groups and schools and summer internship program.

Solar career programs presented at Regional Community Colleges, Public and Private County Schools, Shepherd University, Fairmont State University and the WVU Solar Decathlon program.

Habitat for Humanity installations across West Virginia.

WHY SOLAR IS GROWING

Solar is a way to lower your electric bill forever

30% Federal tax credit helps to offset initial cost

Solar (with storage) 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.





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

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Residential Solar





Grow Your Solar -Part1

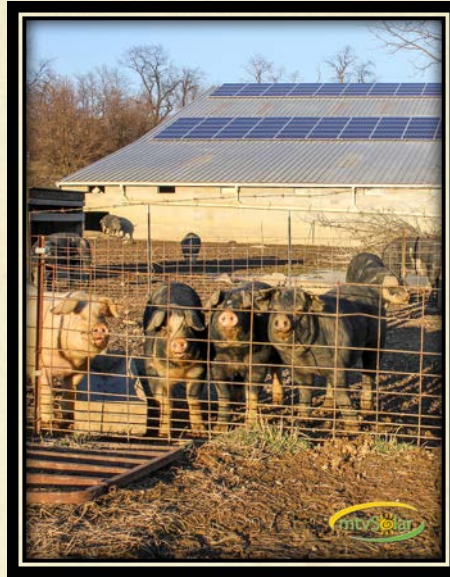


Grow Your Solar –Part 2





Agricultural Solar



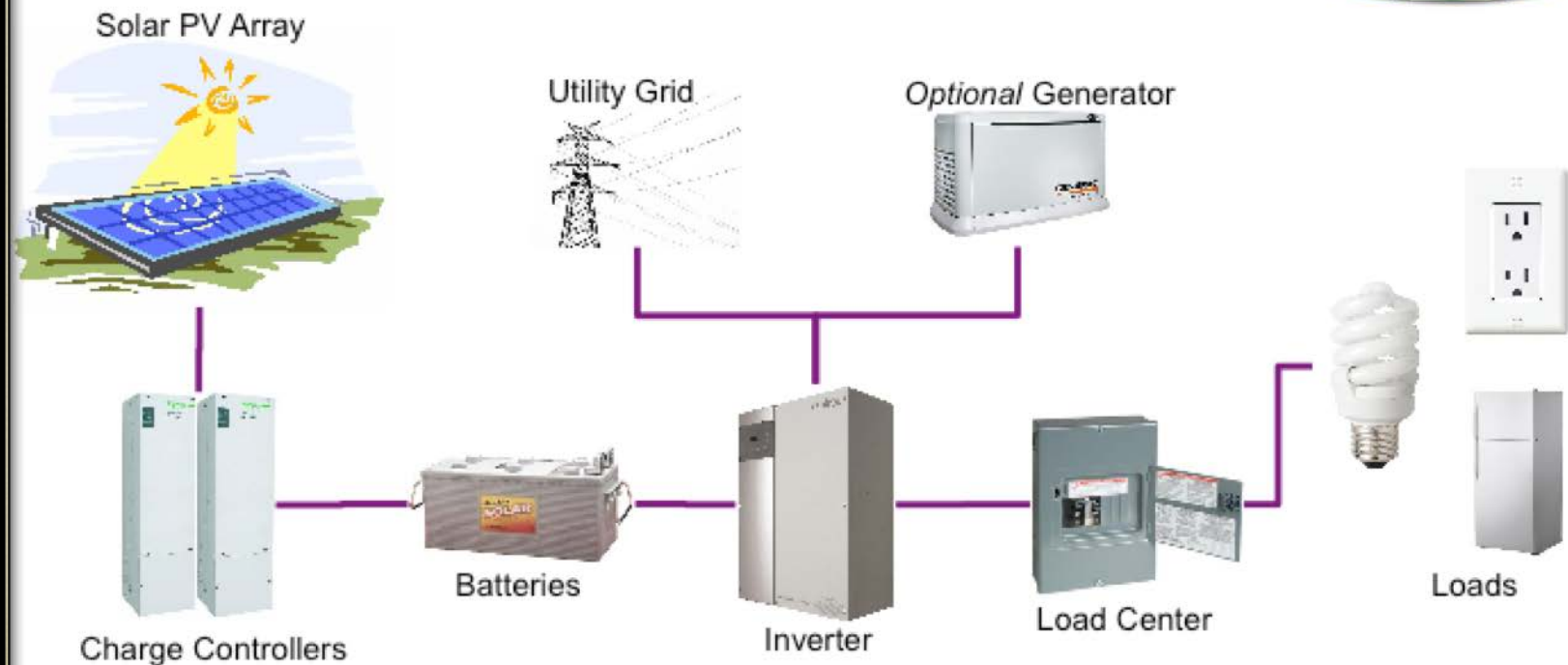
Agricultural Solar





Backup Power

Xantrex XW+ System Diagram



Backup Power



SolarEdge StorEdge & LG RESU10



LG Chem RESU10H
Battery Pack (18"x19"x9")



SolarEdge Inverter



SolarWorld Modules
with Optimizers



Critical Loads



Refrigerator, Freezer,
Computers and More!
(Up to 5kW)



Transformer



Solar
Disconnect



Service Entrance



Utility Meter



Utility Grid

StorEdge with LG Battery



Remote Power & Communication



Remote Power & Communication



Commercial Solar





APUS 407kW system- 1600 panels





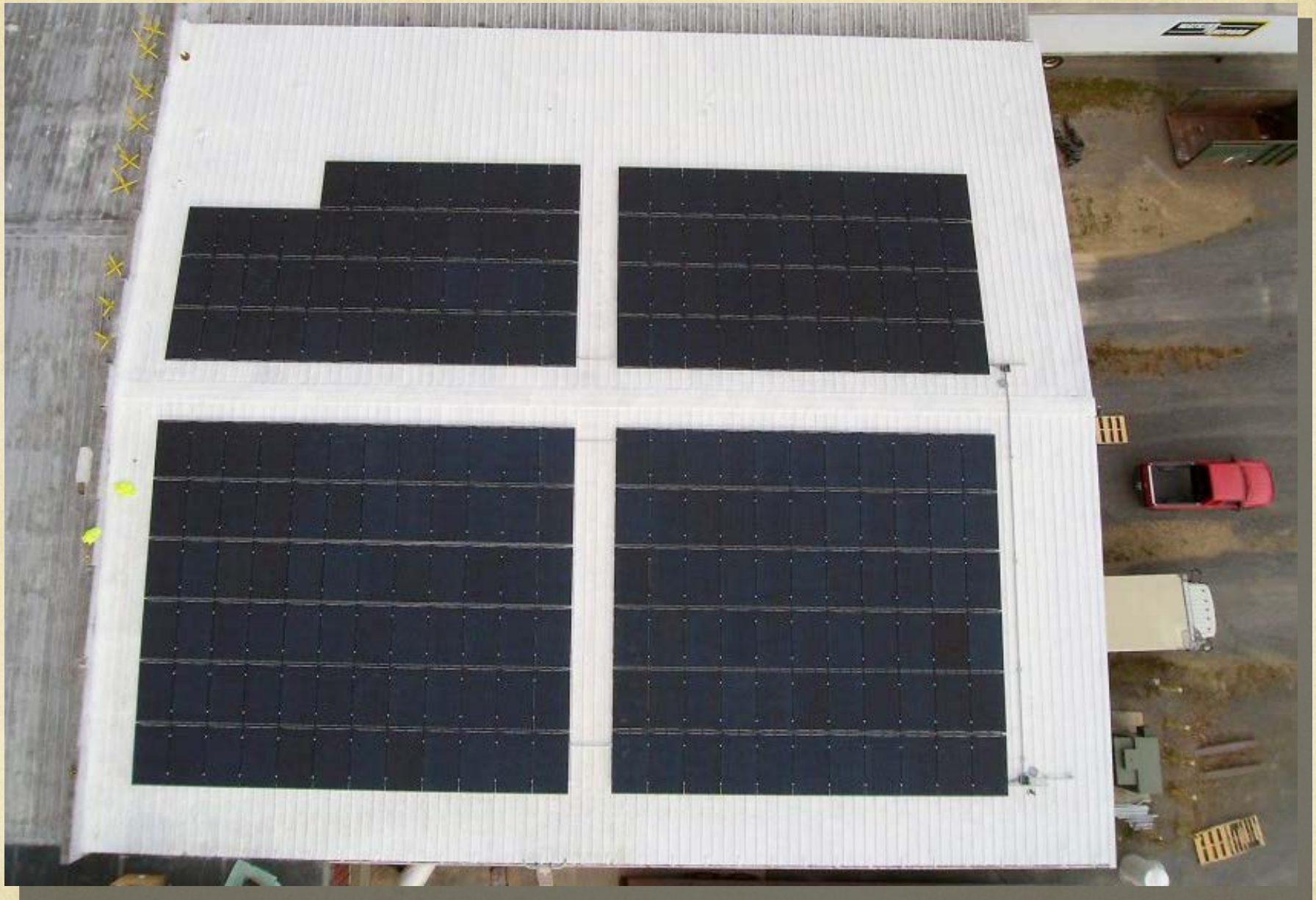
Department of Environmental Protection
25.38kW -108 Panels



25.38kW Array - Morgan County Courthouse



83.36kW array, Clarion Inn- Harpers Ferry



64.4kW array, Gat Creek - Morgan County



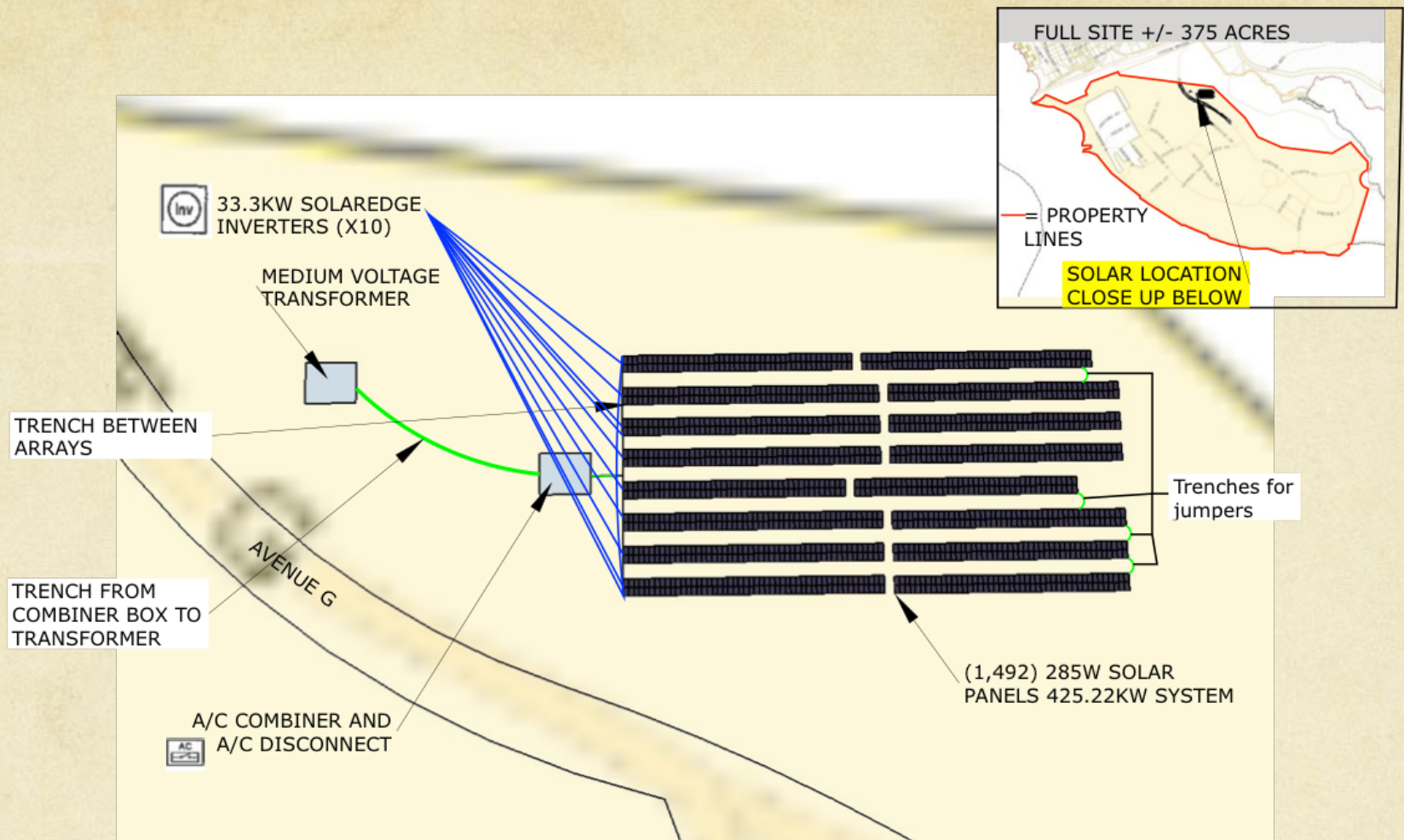
31.5kW array, Bavarian Inn - Shepherdstown



1.6MW Array - Salem VA



Electric Vehicle Charging



CLIENT
VA Medical Center
Perry Point, Md 21902

Renewable Energy Consultant
MTVSolar
304-258-4733

ISSUE
09.28.17

DRAWN BY
kiki

DESCRIPTION
Site Plan

1

425kW Array – Perry Point VA

EV Charging





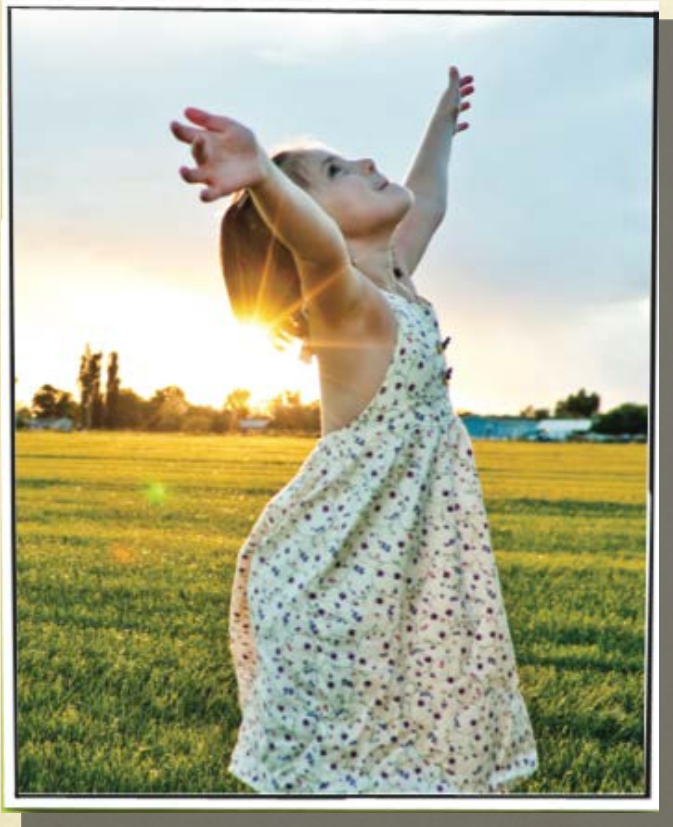
Community Give Back Program



Sharing Solar Goodness



Habitat for Humanity- Martinsburg, WV



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