

Additional Solar Informational Resources Available Online, Please Scan Code Below, or Access
<https://tinyurl.com/ShenSolarWorkshops2022>

Alliance for Shenandoah Valley's
 March 4 & 11, 2022 Workshops
 "Incorporating Solar into Agricultural Landscapes Workshop for Farmers"
 Solar Info Resource Page Supplement

Website: <https://tinyurl.com/ShenSolarWorkshops2022>

Scan with Phone Camera



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An Introductory Video on the Fundamentals of Solar Photovoltaics




Hear First Hand Experiences from 2 Virginia Farmers on Solar Incentives & USDA REAP Program



Utility-Scale Solar in Virginia Informational Webinar Series

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Publication on
 Evaluating/Comparing
 Solar Project Proposals for
 Net Metered Systems
 (University of Nebraska Extension)

More at: [Farm Energy Answers](#)

Related videos below

Solar-Powered Livestock Watering Systems:



Upcoming Workshop at the McCormick Farm in Steeles Tavern in April

Solar Land Lease Considerations




INTRODUCTORY WORKSHOP: MICRO-HYDRO POWER SYSTEMS

SATURDAY, APRIL 9th 9AM – 6PM
RINER VOLUNTEER FIRE DEPARTMENT
3595 Riner Road, Riner, VA 24149



Please join us for an introductory workshop exploring micro-hydro systems and applications for energy generation. Participants will learn the principles and applications of hydro-electric water pumping. Learn more about these systems and some key considerations for their use. The session will begin with presentations in the morning through lunch, followed by an optional site visit in the afternoon to a field site approximately 6 miles away for in-person site assessment work. Please note, rugged terrain and difficult access to field site.

Afternoon Site Visit Requires High Clearance 4WD Vehicle to Ford Stream; Carpooling with Workshop Hosts May Be Needed for Last Leg of Travel for Access to Site

Featured Workshop Trainer:
Ken Gardner, SEI Mr. Gardner conducts training sessions for Solar Energy International (SEI) as part of their industry-leading renewable energy technical training program. His company, Gardner Engineering Alternative Energy Services, based in Utah, designs and installs solar-, hydro-, and wind-electric systems.

Additional Speakers:
Thomas Miller, Host & Landowner, AP Environmental Science, Blacksburg High School
John Ignosh, Biological Systems Eng. Extension/VT

Topics

- Micro-hydro Site Assessment
- Safety Procedures
- Understanding Water Hydraulics
- Hydroelectric System Components
- Reaction & Impulse Hydro Turbines
- Maintenance Considerations
- And More!

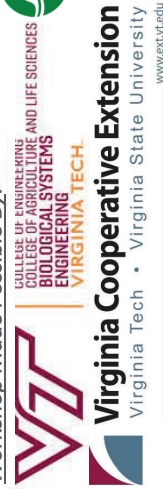
SPACE LIMITED & PRE-REGISTRATION REQUIRED
\$40 REGISTRATION FEE INCLUDES BOX LUNCH

Morning will be classroom session held at engine bay at fire hall. Afternoon consists of optional field visit to potential micro-hydro site, road access requires 4WD and high clearance vehicles, then approximately 1/2 mile of roundtrip hiking, with rough terrain. Final logistics will be confirmed during the morning session.

Virginia Tech COVID Protocols in effect on workshop date will be followed ★

★ PLEASE REGISTER FOR THIS WORKSHOP AT: <https://tinyurl.com/VCEmicrohydro>

Workshop Made Possible By:



Virginia Tech is an Equal Opportunity Institution. All persons are encouraged to participate in this activity. Please contact John Ignosh, at 540-432-6029 (TDD 800-828-1120) during business hours of 8 a.m. and 5 p.m. to discuss accommodations 5 days prior to the event.

If you are a person with a disability and desire any assistive devices, services or other accommodations to participate in this activity, please contact John Ignosh, at 540-432-6029 (TDD 800-828-1120) during business hours of 8 a.m. and 5 p.m. to discuss accommodations 5 days prior to the event.

IN-PERSON & HANDS-ON WORKSHOP Solar-Powered Water Pumping Systems for Livestock

Thursday & Friday, April 7th-8th 9AM – 4PM

Shenandoah Valley AREC - McCormick Farm, 128 McCormick Farm Circle Raphine, Virginia



Please join us for an in-person and hands-on workshop focused on water pumping systems for livestock. Participants will learn the principles and applications of solar-electric water pumping. The primary focus will be on solar-powered water pumping systems, however, some other alternatives will be discussed too. Please join us to learn more about these systems, some considerations for their use, and hear farmer experiences.

Topics

- Management Considerations
- Basics of Photovoltaics (PV)
- Siting Considerations
- System Components, Design & Equipment Specifications
- Farmer Experiences
- And More!

SPACE LIMITED & PRE-REGISTRATION REQUIRED
\$40 REGISTRATION FEE INCLUDES LUNCH EACH DAY

PLEASE REGISTER FOR THIS WORKSHOP AT:

<https://tinyurl.com/VCEsolarpump>

Workshop Made Possible By:



MOUNTAINS-TO-BAY
GRAZING ALLIANCE



CHESAPEAKE BAY FOUNDATION
Saving a National Treasure



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