

Three Renewable Energy Options from Your Electric Cooperative

At A&N Electric Cooperative, we have several ways to help our members go green. In addition to energy saving tips and ideas, the cooperative offers several options for using or purchasing renewable energy.

The cooperative is ready to work with you in connecting home solar arrays or wind turbines to the distribution system through our net metering program.

If installing your own solar panels or wind turbine is cost-prohibitive, there are other options available to our members.

Our community solar program, Cooperative Sunshare, gives our members the opportunity to subscribe to more solar generated electricity to cover all or a portion of their needs.

The cooperative also offers renewable energy credits. These are tradable, non-tangible energy commodities for sale through our generation and transmission cooperative, Old Dominion Electric Cooperative (ODEC).

Cooperative Sunshare (Community Solar)

A&N Electric Cooperative offers its members the opportunity to subscribe to more solar energy to cover their energy needs through the Cooperative Sunshare program.

Currently, a portion of all power supplied to cooperative members comes from solar. The Cooperative Sunshare program allows residential members who want a larger percentage of solar power to receive a dedicated, predetermined amount of solar power each month. By doing so, participants can support the development of solar energy in Virginia, while locking in the price paid for the dedicated solar portion of their generation service during the three-year pilot period.

Cooperative Sunshare allows the cooperative's residential members to choose solar power to cover all or a portion of their electric usage each month. The additional cost to members of a 50 kWh "solar block" will be \$5.42 per month, a modest increase

over the current cost of wholesale power. The program also offers members the opportunity to lock in the cost of their solar power supply for the future.

The solar energy is produced at two solar facilities in Virginia, the 20-megawatt Cherrydale solar facility in Northampton County and the 10-megawatt Clarke County solar facility in White Post, Va. The electricity is provided to co-op members through a power purchase agreement with ODEC, of which A&N Electric Cooperative is a member.

Net Metering

Net metering allows cooperative members to interconnect approved renewable generation systems to the electrical distribution system and to generate some of their own electricity. The output of the renewable generation system offsets the electricity that would have been delivered by the cooperative. Common examples of net metering installations include solar panels on a home or a wind turbine at a school.


These installations are connected on the member's side (the usage side) of the meter. The meter will measure electricity being used from the grid, and it will reverse when the customer generates excess electricity (thereby "exporting" electricity to the electric grid). The sum, or "net," of the forward and reverse rotation is the volume of electricity (kWh) to be billed or credited to the monthly bill.

Renewable Energy Credits (RECs)


Renewable Energy Credits are tradable, non-tangible energy commodities in the United States that represent proof that electricity was generated from an eligible renewable energy resource (renewable electricity) and was fed into the grid.

To help promote the use of renewable energy sources, like wind and solar, various regional systems are being developed that divide renewable electricity into two parts: the electricity that actually makes its way into the power grid and the environmental


RENEWABLE ENERGY OPTIONS




Community Solar



Net Metering



Renewable Energy Credits



benefits of the renewable power source.

Renewable Energy Credits are available for purchase through the cooperative. ODEC buys over 110 megawatts of wind power and renewable energy credits.

ODEC sells all of the renewable energy credits purchased under its long-term wind power agreements to its member-owners and to others.

The wind energy comes from several wind turbine facilities in Pennsylvania and Maryland.

4 Tips for Winter Safety

It's no surprise that winter months bring increased potential for fire risks and electrical safety hazards. This makes sense because during the coldest months, members are using additional electrical devices and appliances, like space heaters, electric blankets and portable generators.

The National Fire Protection Association estimates that 47,700 home fires occur each year in the U.S. due to electrical failure or malfunction. These fires result in 418 deaths, 1,570 injuries and \$1.4 billion in property damage annually. This winter, safeguard your loved ones and your home with these electrical safety tips from the Electrical Safety Foundation International.

1. Don't overload outlets. Overloaded outlets are a major cause of residential fires. Avoid using extension cords or multi-outlet converters for appliance connections — they should be plugged directly into a wall outlet. If you're relying heavily on extension cords in general, you may need additional outlets to address your needs. Contact a qualified electrician to inspect your home and add new outlets.
2. Never leave space heaters unattended. If you're using a space heater, turn it off before leaving the room. Make sure heaters are placed at least 3 feet away from flammable items. It should also be noted that space heaters take a toll on your energy bills. If you're using them throughout your home, it may be time to upgrade your home heating system.
3. Inspect heating pads and electric blankets. These items cause nearly 500 fires every year. Electric blankets that are more than 10 years old create additional risks for a fire hazard. Inspect your electric blankets and heating pads — look for dark, charred or frayed spots, and make sure the electrical cord is not damaged. Do not place any items on top of a heating pad or electric blanket, and never fold them when in use.

Space Heater Safety Tips

Space heaters are a great way to warm specific rooms in your home without having to crank up the thermostat, but using space heaters doesn't come without risk! Use the tips below to keep your home safe.

DO: Plug your space heater directly into the wall outlet.

DO: Buy a unit with an automatic shutoff in case the unit tips over, or you forget to shut it off.

DO: Keep your space heater in low-moisture rooms.

DO: Keep your space heater at a safe distance (at least 3 feet) from kids, pets and flammable items.

DO: Always follow the directions and take a broken space heater to a qualified appliance service center.

DON'T: Leave your space heater unattended. Always unplug it before you leave the house or go to bed.

DON'T: Place your space heater near curtains, clothing, furniture or bedding.

DON'T: Use an extension cord to plug in your space heater. It can cause the heater to over-heat, and can be a tripping hazard.

DON'T: Try to repair a broken space heater yourself.

DON'T: Put your space heater in your bathroom. The moisture can damage the unit, which could cause it to malfunction.

4. Use portable generators safely. Unfortunately, winter storms can cause prolonged power outages, which means many co-op members will use portable generators to power their homes. Never connect a standby generator into your home's electrical system. For portable generators, plug

appliances directly into the outlet provided on the generator. Start the generator first, before you plug in appliances. Run it in a well-ventilated area outside your home. The carbon monoxide it generates is deadly, so keep it away from your garage, doors, windows and vents.

Cooperative members should notice a PCA credit on 2020 electric service bills

POWER COST ADJUSTMENT

2019	2020	What Your Bill Will Show
+ \$0.00126/kWh charge	- \$0.00339/kWh reduction	= - \$0.00213/kWh credit

A cooperative member who uses 1,000 kWh of electricity in 2020 will see an overall reduction of \$3.39 to their monthly electric service bill compared to the same amount of usage in 2019.

A change in the cooperative's Power Cost Adjustment (PCA) went into effect Jan. 1, 2020. The PCA will decrease by a total of 0.00339/kilowatt-hour, meaning a residential member who uses 1,000 kWh of electricity would see an overall reduction of \$3.39. This charge is reflected in the Energy Supply portion of a cooperative member's bill and is a direct pass through from the cooperative's energy supplier to our members. This year's reduction to the Power Cost Adjustment was enough to cover a 0.00126/kilowatt-hour charge in 2019, plus adds a 0.00213/kilowatt-hour credit to electric service bills for 2020.

AMI Update

A&N Electric Cooperative continues deployment of its Advanced Metering Infrastructure system upgrade.

The cooperative has completed residential meter exchanges in Northampton County and recently completed exchanges in southern Accomack County. Meter exchanges will continue northward through the rest of the Eastern Shore peninsula until full deployment is completed. Co-op members can expect to receive an automated phone call the week of their meter exchange.

The upgraded meter system will enable the cooperative to perform several functions, such as reading meters, assisting with outage restoration and will support additional value-added services for our members.



Scholarship Deadline is Feb. 28th

Any high school or home-schooled senior graduating in spring 2020, and whose primary residence is served by A&N Electric Cooperative or another Virginia Maryland and Delaware Association of Electric Cooperatives member cooperative, is eligible to apply for a \$1,000 scholarship to be applied to a two- or four-year college or trade school.

An applicant must be entering his or her first semester at a post-secondary or technical/trade school in the fall of 2020. Scholarship funds, which will be sent directly to the educational institution, must be used toward tuition, student fees, room and board or textbooks.

For the online application and instructions, visit vmdaec.com/scholarship. The deadline to apply is Friday, Feb. 28, 2020. Questions about donations and the application process should be directed to scholarship@vmdaec.com.

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A&N Electric Cooperative is an equal opportunity provider and employer.

Donation Application Forms Available from Co-op

Our mission at A&N Electric Cooperative is to enhance life on the Shore through member-driven services. One of the ways the cooperative strives to achieve this is by supporting outstanding youth, community organizations and events that benefit the members within our service territory.

If you or your organization are interested in receiving donations from A&N Electric Cooperative please contact our Tasley office to receive an application form. Completing the form does not guarantee funding. Requests will be reviewed by the Cooperative's Member Services and Community Development Committee.

Organizations seeking funding from July–October, applications are due no later than April 30, 2020. Organizations seeking funding from November–February, applications are due no later than Oct. 31, 2020. Organizations seeking funding from March–June, applications are due no later than Jan. 31, 2020. Please allow at least 30 days after due date for approval of funding.

Contact Janelle Dawkins at jdawkins@anec.com or call 757-787-9750 ext. 345 for more information or to receive an application form.

Solar Made Easy



**COOPERATIVE
SUNSHARE™**

Cooperative Sunshare gives ANEC members the power to embrace even more clean, renewable energy.



Looking to take advantage of solar energy, but can't install panels on your property? Are the upfront and ongoing maintenance costs of a personal solar array holding you back? Cooperative Sunshare is designed for you.



Through Cooperative Sunshare, residential members may purchase 50-kilowatt-hour (kWh) blocks of solar energy.



A 50-kWh block is \$5.42, plus delivery costs. While higher than standard electricity, solar blocks will remain the same price for 3 years and are not subject to Power Cost Adjustments.



Log onto www.anec.com or call us at 787-9750 to learn more.

Subscribe Today!



Putting The Power In Your Hands



SmartHub makes it easy to manage and track your A&N Electric Cooperative account from your smartphone or mobile device.



- Pay your bill
- Set bill reminders
- Schedule payments
- Report outages
- Check your daily and monthly energy use
- View your payment history



iOS Users



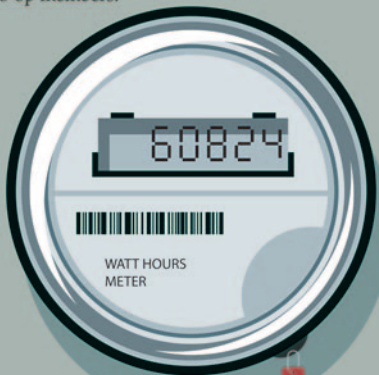
Android Users

Learn more at www.anec.com or scan the QR code above to get started!



DO NOT TAMPER WITH YOUR ELECTRIC METER

Meter tampering can result in electric shock, is illegal and increases electricity rates for other co-op members.



- ⊗ Never break a meter seal.
- ⊗ Never open a meter base.
- ⊗ Never remove a meter or alter an entrance cable in any manner.

If you know or suspect that someone has tampered with their meter, please contact us immediately at 757-787-9750.



Energy Efficiency Tip of the Month

Let the sunshine in! For additional warmth, open drapes over windows that receive sunlight during the day. Close them at night, which can reduce heat loss from a warm room up to 10%.

Source: energy.gov



You're at the heart of everything we do.

HAPPY VALENTINE'S DAY
FROM OUR CO-OP FAMILY TO YOURS!