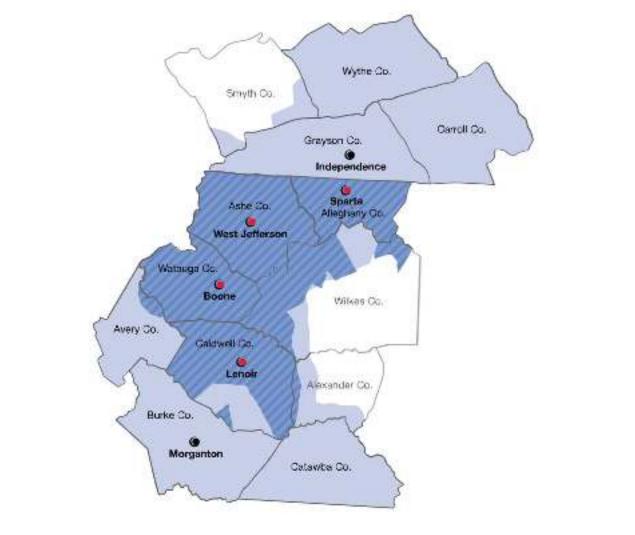
got community solar?



Jon Jacob
Energy Solutions Marketing Manager
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NC Electric Innovation & Engagement





Solar made simple

NO UPFRONT EXPENSE SOLAR FOR EVERYONE LOWER YOUR BILL REDUCE YOUR FOOTPRINT

Subscribe to the solar energy produced by one or more panels for just \$4.50 per panel monthly

If you rent or your roof is not well oriented, shaded or due for replacement soon; community solar gives you access to clean, renewable energy If you use more than 1000 kWh a month; a subscription to community solar can help you save money on your monthly electric bill

The energy produced by 3 solar panels will offset more than a ton of CO2 emissions annually











Blue Ridge Community Solar

4 solar gardens

384 kW (AC) total - 1472 325w panels

96 kW (AC) / 117 kW (DC) – 368 panels per array

Fixed orientation: West/South-West (240°)









Program Details

PPA Term: 20 years + 5 year option

Sites: 3 leased, one owned by Blue Ridge

Capacity Factor during Peak Demand (2-6 pm):

60.78%

Generation from all sites is totalized

Pro rata share of generation per panel

Net Metering + Net Billing Rates available

Members pay 7 cents per kWh consumed

Members receive 7 cents per kWh generated

Panel subscription: \$4.50/mo.

Average Panel Generation: 36 kWh/mo.

Advantages

All members can participate in community solar

No upfront cost to members

Subscription model allows easy transfer of panels if members move or change mind

Orientation maximizes peak demand reduction which benefits all members not just subscribers

Challenges

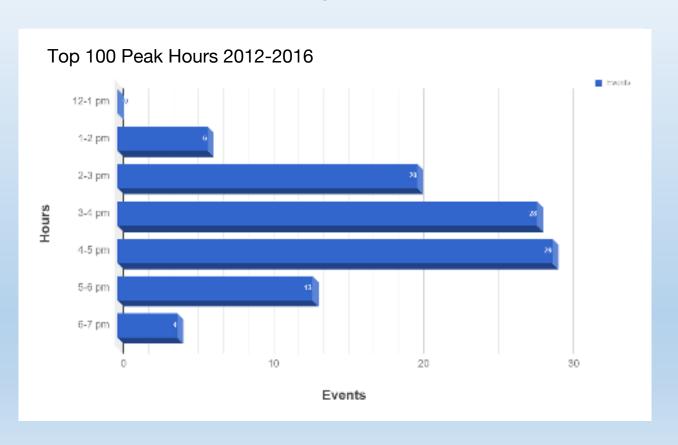
Members have to speak to a Energy Services Specialist to sign up

Explaining Net Metering and Net Billing rate options to members

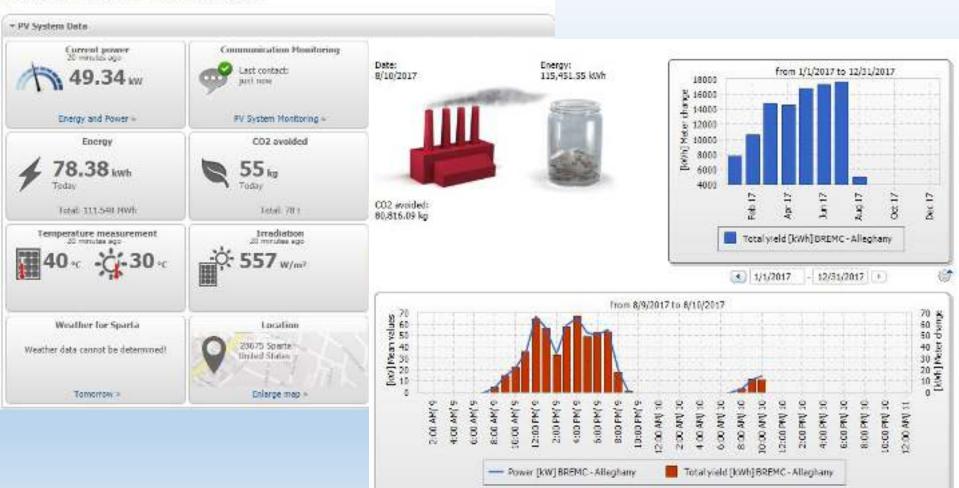
Most subscribers opted for only 1 or 2 panels

One county enacted a Solar Amendment to Zoning Ordinance during project planning

When Does Peak Demand Occur?



PV System Overview | BREMC - Alleghany



New event, services highlighted

New health department services and an outdoor relay were among the items presented at the midmonth Dec. 19, county commissioners meeting.

■ News, PAGE 5A



Wednesday, Jan. 4, 2017

Mostly sunny today with highs in the mid. 50s, becoming cloudy later in the week with a chance of snow fluries Thursday and Friday nights. - National Weather Service

Tourney Tops

The Trojan Varsity Basketball team took the top spot in the Fort Chiswell, Va. tournament over the weekend.

· SPORTS, PAGE 1B

THE Alleghany News

127" YEAR, 21" ISSUE

WWW.ALLEGHANYNEWS.COM

Solar generated electricity available in Alleghany

By BOB BAMBERG

SHIFT

constructed solar eardens - ar- month. rays of solar panels - in four in Sporta.

Members have the option of pur- to the solar garden and we are Blue Ridge Energy (formerly chasing the power generated by planning to operate them for 20 known as Blue Ridge Electric one or more panels on a subscrip-years," Jacob said. Membership Corporation) has tion basis at a rate of \$4.50 per. Other advantages are that the

counties it serves. Alleghany, ate 36 kW hours of electricity per nance of rooftop solar. And in Ashe, Caldwell and Watauga, that inouth on average," said Jon Jn- many cases rooftop solar may not will provide electricity for mem- cob, an energy solutions manager be an option for a homeowner.

solar panels that will cumulative- is fixed at 12.5 cents. "It is fixed installation is feasible. ly power 60 average households, for however long you subscribe

member does not shoulder the "We expect the panel to gener- cost of installation and mainte-

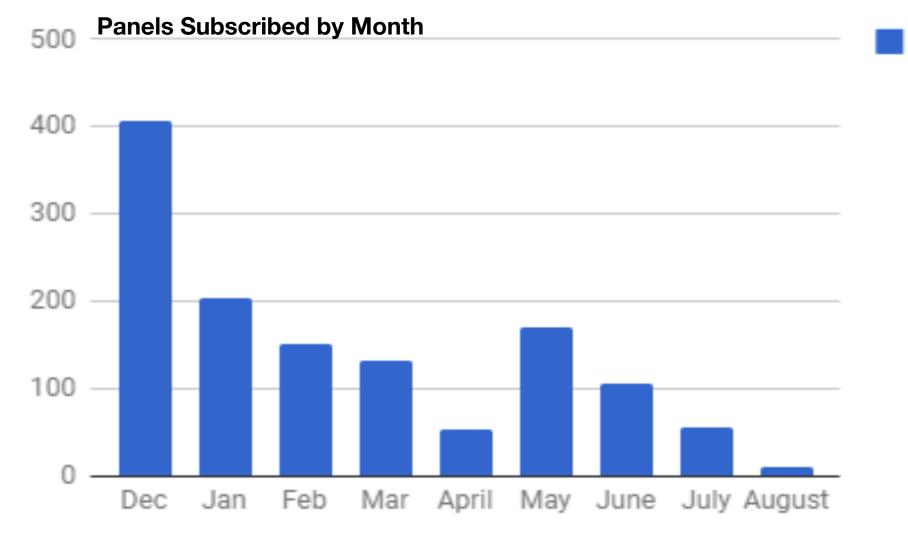
bers who opt in for the service. In for the cooperative, in a telephone "We've done several studies Alleghany County, the panels are interview last Friday. That sub- and only about one home in four located above the Blue Ridge En-scription works out to about 12.5 is suitable for a solar panel," Jaergy office at 1889 U.S. 21 South cents per kW hour, compared to cob said. A home's orientation to 10 cents per kW hour that mem- the sun, the amount of shade on Each installation is a 100 kW bers currently pay for power. One its roof and whether the condition (kilowatt) array consisting of advantage of subscribing to solar of the roof can support solar punmore than 350 ground-mounted power is that the cost of the power els all figure into whether rooftop

The solar gardens also benefit

members who don't subscribe be-



SOLAR GARDEN-On the hill above and behind the Blue Ridge Energy office in Sparta sits an array of solar panels that will power homes and businesses in Alleghamy County.



88% subscribed

1295 of 1472 panels have been subscribed in 8 months

532 members

Average # of panels per subscriber: 2.4

#SoldonSolar

Window clings and thank you notes

Free Community Solar T-Shirt for sharing what members like about the program

Shoot short video telling why they signed up for community solar

Post video to Facebook, Instagram or Twitter with hashtag #SoldonSolar Tag @BlueRidgeEnergy



"If one does not know to which port one is sailing, no wind is favorable."

- Seneca