



*A portion of Baker-Butler Elementary School's 224 kW solar array*

*Solar project by:*



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Secure Futures Solar



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**Albemarle County Public Schools**  
**1.1 Megawatt Solar Dedication**  
**October 20, 2016**



### Albemarle Solar — Project Benefits

Albemarle County Public Schools (ACPS) will be the first public school district in Virginia to use solar energy under a Power Purchase Agreement (PPA) at six of the district’s schools. With **zero capital investment** or maintenance cost, ACPS expects to meet 22% of the electricity needs for those schools, saving over \$80,000 during the twenty-year PPA and reducing their carbon footprint by over **2,109,000 pounds CO2/year**.

In addition to the solar electricity, Secure Futures will provide a set of **curriculum-enhancement tools and teacher trainings** at no cost to ACPS in order to bring the solar technology from the rooftop into the classroom, giving students a leg up in one of the fastest-growing industries in the United States.

*A portion of Sutherland Middle School’s 279 kW solar array*

### Albemarle Solar — The Story

Students in Albemarle County Public Schools (ACPS), together with teachers and local environmental groups, spearheaded a campaign starting in 2012 to support renewable energy on the schools. The student-led campaign gained traction with the Board and Staff when the Virginia legislature enacted enabling legislation in 2013 to allow Power Purchase Agreements (PPAs) under a PPA Pilot Program in Dominion territory. These combined events resulted in a competitive request for proposals initiated by ACPS in 2014 for a Solar Power Purchase Agreement (PPA).

On April 2, 2015 the ACPS Board voted unanimously to support awarding the contract to Secure Futures, a solar development company based in Staunton, Virginia.

This project was made possible by many partners in the project, including but not limited to those listed below, with special thanks to the following:

- ☀ Albemarle County Public Schools
- ☀ Aurora Energy
- ☀ City National Bank
- ☀ Got Electric
- ☀ GreenHurlocker, PLC
- ☀ Mountain View Solar
- ☀ SolarWorld Americas, Inc.
- ☀ U.S. Department of Agriculture, Rural Development
- ☀ Virginia Community Capital

<b>Solar Statistics for Albemarle County Public Schools</b>			
School	System size kW (DC)	Number of Solar Panels	# Average Virginia homes' energy use
Greer Elementary	75	216	9
Albemarle High	124	360	14
Brownsville Elementary	130	378	15
Baker-Butler Elementary	224	648	25
Monticello High	267	774	30
Sutherland Middle	279	809	32
<b>Total</b>	<b>1099</b>	<b>3185</b>	<b>125</b>



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