

Issue	Expert or Authority	sPower Response
Decommissioning - Salvage Value	<ul style="list-style-type: none"> <li>•Virginia Senate Bill 1091</li> <li>•DNV-GL*</li> <li>•Department of Energy</li> </ul>	<ul style="list-style-type: none"> <li>•Virginia Senate Bill 1091 - May include the net salvage value of such equipment, facilities, or devices, plus a reasonable allowance for estimated administrative costs related to a default of the owner, lessee, or developer, and an annual inflation factor.</li> <li>•In general, DNV GL finds that the Decommissioning Plan approach used in determining the estimated decommissioning cost appears to have been performed in accordance with typical industry practice, including the estimated salvage values</li> <li>•A Department of Energy study found there is a healthy resale market for PV modules that should be recognized in project level economic calculations. The salvage price is a market reflection of the reliability. Functioning modules will have a revenue value based on life/performance expectations with the additional shipping and handling costs in comparison to other alternative to electric generation costs. From 2005-2012, the winning bids ranged \$0.04 to \$1.26 / watt</li> <li>•Should the salvage value of the PV panels not be allowed for consideration, the panels are EPA approved for local and state landfill disposal and could be disposed of at standard landfill tipping fee rates</li> </ul>
Decommissioning - Surety Bond	<ul style="list-style-type: none"> <li>•Virginia Senate Bill 1091</li> <li>•DNV-GL</li> <li>•Department of Energy</li> </ul>	<ul style="list-style-type: none"> <li>•Virginia Senate Bill 1091 - "...owner, lessee, or developer provides financial assurance of such performance to the locality in the form of certified funds, cash escrow, bond, letter of credit, or parent guarantee, based upon an estimate of a professional engineer licensed in the Commonwealth..."</li> <li>•In general, DNV GL finds that the Decommissioning Plan approach used in determining the estimated decommissioning cost appears to have been performed in accordance with typical industry practice.</li> </ul>
CdTe Panel - Safety	<ul style="list-style-type: none"> <li>•County Consultant - Dewberry</li> <li>•Dr. Fthenakis**</li> </ul>	<ul style="list-style-type: none"> <li>•Cadmium telluride (CdTe) is not the same compound as cadmium. CdTe is non-hazardous, non-water soluble, and is encapsulated in the panels. CdTe panels pose no human or environmental health and safety risk. The findings were confirmed by the County's independent engineer, and further confirmed by independent industry experts such as Dr. Fthenakis.</li> </ul>
Impact on Real Estate Values	<ul style="list-style-type: none"> <li>•Chris Kaila - Professional Appraiser from Spotsylvania</li> <li>•NTS Fawn Lake Property Sales Report from 2018</li> </ul>	<ul style="list-style-type: none"> <li>•Chris Kaila conclusion is there are no negative impacts to surrounding property values. Extensive research and interviews with experts in this area is that there is no support for any negative influence from solar farms and neighboring property values</li> <li>•NTS Fawn Lake Property Sales Report from 2018 showed that houses in Fawn Lake stayed on the market 17% less days than 2017, average net sales price rose \$8000 compared to 2017 and the number of houses sold equaled the same as 2017 at 48.</li> </ul>
Economic Impact	<ul style="list-style-type: none"> <li>•Virginia State Corporation Commission</li> <li>•Mangum Economics</li> <li>•Fredericksburg Regional Alliance</li> <li>•Virginia Chamber of Commerce</li> <li>•Virginia Department of Mining, Minerals, and Energy</li> </ul>	<ul style="list-style-type: none"> <li>•Project will likely provide direct and indirect economic benefits to the County</li> <li>•Project could aid in attracting high-tech industries to Spotsylvania County - 78% of Dominion's renewable generation is partnerships with data centers</li> <li>•Project could give the County a marketable edge in its pursuit of attracting data centers and complementary industries to locate in the County</li> <li>•An important element to the Commonwealth's economic competitiveness is energy diversity. Put more simply: as corporate and consumer demand for solar energy increases, so must our ability to meet this demand in order to be an attractive state for future economic development and job creation</li> </ul>
Heat Island Effect	<ul style="list-style-type: none"> <li>•Dr. Fthenakis</li> <li>•County Consultant - Dewberry</li> </ul>	<ul style="list-style-type: none"> <li>•A heat island effect would not occur at this location due to Virginia's climate, rate of heat attenuation, extensive amount of vegetation surrounding the site, and cooling temperatures at night. Heat islands are typical in this area for open, large department store or mall parking lots, not agricultural land areas.</li> <li>•Dewberry notes: "The panels have a low thermal mass compared to conventional building materials and soil. They lose heat very quickly and do not create a prolonged increase in temperature which suggests a micro-climate as an urban heat island would"</li> </ul>
Impact on Electric Ratepayers	<ul style="list-style-type: none"> <li>•Virginia State Corporation Commission</li> <li>•PJM</li> </ul>	<ul style="list-style-type: none"> <li>•"...the proposed Project would be borne solely by the Joint Applicants [sPower], with no direct impact on rates paid by ratepayers in Virginia..."</li> </ul>
Comprehensive Plan Compliance	<ul style="list-style-type: none"> <li>•Spotsylvania Planning Commission</li> <li>•Planning Staff</li> </ul>	<ul style="list-style-type: none"> <li>•Planning Commission and staff found the projects are in substantial accordance with Comprehensive Plan</li> </ul>
Burning	<ul style="list-style-type: none"> <li>•Spotsylvania FIREM</li> <li>•Planning Staff</li> </ul>	<ul style="list-style-type: none"> <li>•Burning allowed using trench burners and with a permit and oversight from Spotsylvania FIREM.</li> <li>•Burning allowed with additional setbacks from houses.</li> </ul>
Water Line	<ul style="list-style-type: none"> <li>•Spotsylvania Utilities</li> </ul>	<ul style="list-style-type: none"> <li>• Will pay for 50% of the costs to construct an improved waterline within Fawn Lake community (improve fire flow, capacity and pressure; and eliminate need for groundwater)</li> </ul>

\* DNV-GL is the largest technical consultancy and supervisory to the global renewable energy (particularly wind, wave, tidal and solar) and oil & gas industry.

\*\* Dr. Fthenakis has written over 400 publications on PV technology, is founding Director of the Center for Life Cycle Analysis at the Department of Earth and Environmental Engineering of Columbia University, and Senior Scientist Emeritus at the Brookhaven National Laboratory.