From: Irvin Boyles <irv.boyles@verizon.net>

Sent: Tuesday, December 11, 2018 10:49 AM

To: Wanda Parrish; Patrick White

Cc: concernedcitizensfawnlake@gmail.com; davehammond@gmail.com

Subject: More on Electric Grid Concern re sPower SUP Request: Electric Grid Vulnerability Risks

Attachments: NIAC Catastrophic Power Outage Study_508 FINAL.pdf

Wanda, etal.

I call your attention to the attached report put out by the Department of Homeland Security from "White House Advisers Warn of Catastrophic Grid Outages (Energy Wire): How can America cope with a months-long power outage? Clear lines of command, flexible communications networks, plenty of exercises and protective "community enclaves" should all play a role, according to a draft report from a group of presidential advisers. The draft power outage study calls on the Trump administration to develop incentives for state and local governments to shore up their ability to withstand weeks or months without electricity." This further emphasizes the need for the County to know and understand how sPower and Dominion Power will deal with the Solar Farm electrical energy build-up that it will continue to generate during electric grid blackouts before it imperils the health and safety of the County and its citizens. What is the County's plan?

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-----Original Message-----
From: Irvin Boyles <irv.boyles@verizon.net>
To: : wparrish <wparrish@spotsylvania.va.us>; pwhite <pwhite@spotsylvania.va.us>; wparrish <wparrish@spotsylvania.va.us>; pwhite <pwhite@spotsylvania.va.us>
Cc: concernedcitizensfawnlake <concernedcitizensfawnlake@gmail.com>; davehammond <davehammond@gmail.com>
Sent: Mon, Dec 10, 2018 6:03 pm
Subject: sPower SUP Request: Electric Grid Vulnerability Risks

Wanda, et al:

On November 28, I sent you a request (attached) regarding the need for due diligence regarding the provisions between sPower and Dominion Power to accommodate electrical power overload in the case the electric grid goes down. I raised this issue again at the December 5 Planning Commission meeting (attached). To further document the basis for this concern, I have just come across the attached report from U.S. Air Force Air University Report for 2018 that emphasizes the seriousness of an electric grid

outage of blackout: "Most experts agree that if a GMD (Geomagnetic Disturbance) or EMP (Electro-Magnetic Pulse) incapacitates an electrical grid, the grid will likely remain in a failed state from weeks to months." I again emphasize this is a considerable risk to the health and safety to Spotsylvania County and us citizens, and must be considered before accepting approval of the SUP for sPower..

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