



Testimony of Jeffrey D. Burns

Shark Solar LLC - President

Opposition Testimony for Ohio **House Bill 554**

12/08/2016

Good Morning –

Chairman Balderson, Vice Chairwoman Jones, Ranking Member Gentile, and Members of the Ohio Senate Energy and Natural Resources Committee, thank you for the opportunity to testify today. I am here to testify in opposition to **House Bill 554**.

My name is Jeff Burns and I am the President of Shark Solar in Medina OH, and an Authorized Dealer for Ohio and the rest of the Midwest with Harvest Energy Solutions, based in Jackson, MI. Harvest Energy is active in the renewable industry (mostly solar power) in 10 states through a network of 15 authorized dealers. Ohio has 3 people associated with Harvest: an Authorized Dealer in the Toledo area, myself in the Cleveland area, and a Territory Manager in Columbus.

Being respectful of the Committee's Time today, I've decided to focus on only a few important topics:

1) Big 5 Hi-Tech Giants – **Amazon Google Apple Facebook Microsoft**

- Investing 10's of Billions of Dollars as a group in wind and solar and other renewable energies. Google alone has invested approximately \$3.5 Billion and has built/bought approximately 2.6 GW (2,600 MW) of wind and solar power to reach a goal of being 100% powered by renewable energy in 2017. (Source: 12/06/16 Computerworld.com)
- Today we all use (and spend money with) at least one of these companies if not most of them. And the teenagers and young adults (Millennials) are already fully embedded with these companies and all the sub-companies each of these own (Snapchat, Vine, Twitter etc...). These companies have a current strong social and financial impact and influence hundreds of millions of people in the world, including most if not all of Ohio. What they choose as their energy source to power their world-wide operations is something that is in focus with a growing number of people, and especially the younger generations who will ultimately decide whether this energy transformation succeeds or fails.
- Centralized Power Generation is a dying technology. It is being replaced by Distributed Power Generation. Multiple points of power generation such as rooftops, brownfields, water etc... not just one or two large central fossil fuel or nuclear generating plants to power thousands and millions of homes and businesses. As this energy transformation takes place, Ohio is missing out on good jobs, tax dollars, technology advancement, and an overall feeling of moving forward and competing with our neighboring states for a high quality of life.

2) Discuss my current experience in the field with people and their interest in solar power. People from every color and stripe are curious and wanting more info. Polls indicate a majority (50% - 70%) of adults are interested in solar power and other renewables and sustainable ways of life. People in Ohio are spending real money to gain energy independence through installing solar power and other renewables along with highly integrated energy storage and digital controls.

- Current project with Akron Global Business Accelerator, an initiative of the City of Akron, Ohio. Installation of (5,400 watt) rooftop solar array on the B.F. Goodridge Bldg in downtown Akron. This array will power a Cognicell Energy Storage System: the first software-defined solution to the complex power management ecosystem. Two Electrical Engineering students from University of Akron in 2011 started this company. Now they're developing real-world, cutting edge energy storage technology.

<< Will Design Flux Technologies, LLC in Akron, OH need to farm out future manufacturing opportunities to neighboring states (or even countries) with favorable RPS programs and strong support of renewable energy ??? >>>

3) Please vote for long term positive impact on Ohio's Energy Future today (**Vote NO on HB 554**)

I appreciate your time and consideration today. I welcome any questions the committee may have ----

Thank you !