# Small Solar: Behind the Meter

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#### THE NUMBER ONE ISSUE

- Nebraska is not a fossil fuel-rich state
- We import 95% of our energy
- We export \$.95 of every dollar to pay for energy
- Energy trade imbalance is \$ billions every year

#### What is at Stake: Our Economic Future

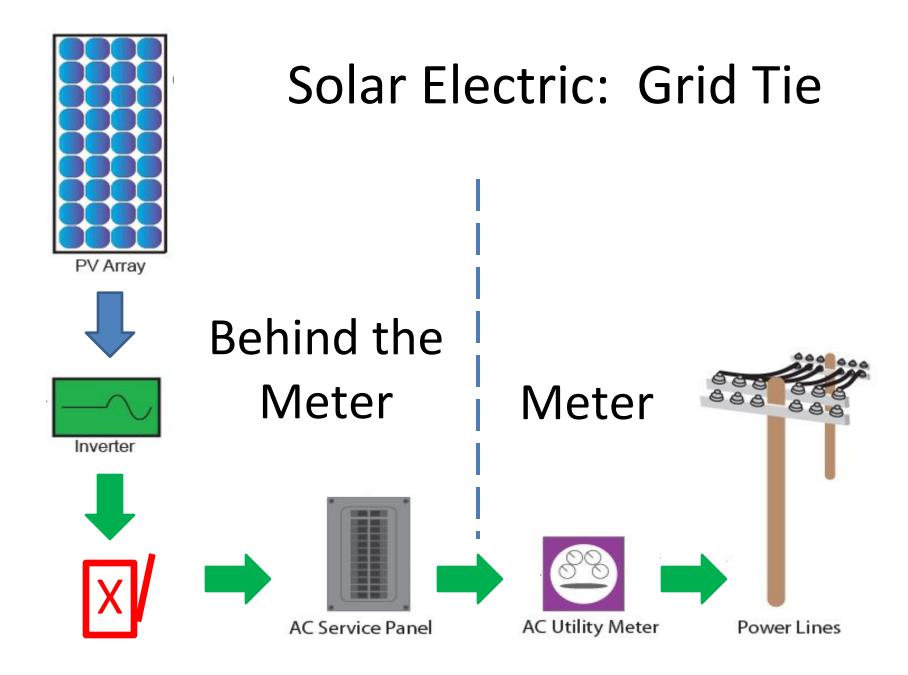
- Fossil fuel dollars exit the local economy
- Renewable energy dollars re-circulate in the local economy 8 - 11 times
- Solar / Wind will help reduce exporting capital to pay for energy if we keep it with <u>local</u> investors

### **Energy in Transition**

- Public Power has a critical role in development of renewable energy sources
- Private investment can build out PP infrastructure and potentially improve grid resilience
- Blend the *natural monopoly* with *market innovation* and lift the state out of dependence on "foreign carbon".

#### Behind the Meter

"any economic policy or trade practice that allows for the injection of energy on the customer's side of the meter"



### **Economic Policy**

Incentives - federal, state, local, industry

Net metering

Virtual net metering

Meter aggregation

Rate structures favoring targeted energy investments

Locate energy intensive businesses near generation New revenue streams for being the grid manager

### **Trade Practice**

Construction and training

Permitting

Marketing

Design

Equipment

Procurement

**RFP** 

## Steps to the New Energy Frontier

- Net Metering 100 kW limit, ties to tax structure, \$200,000 \$250,000 investment
- Virtual Net Metering per local distributor -oragree to some state-wide guidance policy
- Meter Aggregation simple, mostly software

## Steps to the New Energy Frontier

- Portfolio Standards can't make them do what they don't want to do, but some target helps
- General industry learning curve, better knowledge less fear
- Technology lowers cost -
  - Inverters
  - ConnectDER
- Community Solar next step up

### Why not?

Nebraska is #3 in wind at 80 meters

We are in the top quarter for solar

Why not leverage our wind and solar resources to become a top state with renewables.

## Next Speakers:

Graham Christensen - GC ReVOLT

Chet McWhorter - Cuming Co PPD

Q & A

