

WHO: **Kansas Solar Electric Co~operatives, Inc.**

www.BI-PVSolarArchitecture.com

Non-partisan Building-Integrated Photovoltaic [BI-PV]

Solar Architecture *Deployment Acceleration Program*

Established for in Kansas ~by and for Kansans > 2,000 Jobs for 50 Years

1. Statewide Umbrella Member Facilitation Organization Incorporated in 2008 with one million *non-profit shares outstanding* > Phase I Demo to develop *momentum*
2. Phase II Organization > 21 Local K-SEC Energy Service Provider Organizations
3. Incorporated via K.S.A. Chapter 17-4651 to 4681 Renewable Cooperatives
 - a. Five KS counties incorporate to assure one K-SEC board member from each county
 - b. Twenty-one Renewable Cooperatives Incorporate Statewide
 - c. 105 Core K-SEC Board Members incorporated by December 31, 2012

WHAT: **The K-SEC Model**

1,000 MWp BI-PV Solar ElectricCity®

Installed Capacity by 2024

Manufactured ~ Installed ~ Monitored ~

Maintained to 2074 > 50 Years R&D data



Georgetown University Washington DC
30,000 SF BI-PV Solar

WHERE: **SOLAR ARCHITECTURE**

PRODUCED IN/FOR KANSAS

75 to 100 Million SF BI-PV Solar Roofing Installed by 2024

- 75% Commercial BI-PV Solar Rooftops in Kansas
- 25% Residential BI-PV Solar Rooftops in Kansas
- Consumers do not pay for K-SEC solar systems > pay electric bill
- K-SEC will lease consumer rooftops w/battery back-up for 50 yrs
- USDA has grants for cost of roofing modifications

WHEN: **Phase I Demonstration 10,000 SF BI-PV Solar installed by 12/2014**

\$50 MM Bond Financing w/Ratepayer Revenue Backing KCC

Phase II Foundation 1,000 MWp BI-PV Solar Electric by 2024 \$3B

Phase III Manage ~ Monitor ~ Maintain 50 Years 2012 to 2074 \$0.5 B

HOW: **2011 Goals & Pre-Phase I Organizational Tasks**

1. Pass Solar Energy Resolution for Kansas by May 2011 = DONE
2. Develop K-SEC Board of Directors and Hire CFO
3. Raise \$250,000 for K-SEC's pre-Phase I Organizational Task
 - a. Build K-SEC's Mobile 2.5 kWp BI-PV Solar Room Exhibit
 - b. Run with the Sun for Solar Energy > *the honors system*
4. Kansas Corporation Commission [KCC] proceeding initiated by 9/2011 to acquire guarantee for \$50 million in bond financing for K-SEC's Phase I Demonstration by 12/2011 to installed by 2014
5. Initiate proceedings with Kansas Corporation Commission [KCC] and Kansas Legislature to evolve solar industry infrastructure rules.

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K-SEC to assure timely solar energy industry infrastructure established for competitive US industry.