

KANSAS SOLAR ELECTRIC CO~OPERATIVES

K-SEC PHASE I SOLAR DEMO
INSTALLED 2006 to 2008

105 KS COUNTIES 100 kWp SOLAR ELECTRIC

Produce + Install + Maintain 10.5 MWp
BI-PV Solar Systems w/BOS Components

KS RANKS #1 RENEWABLE RESOURCES

'...goal to help ensure that Kansans have low cost, reliable and sustainable energy, produced in-state, to fullest extent possible'

Double the benefit -produce 10 MWp at
cost for hurricane-torn Louisiana

PHASE I: KS 1% DEMAND-SIDE SOLAR BI-PV

\$21 M BI-PV SOLAR DEMO PLAN

+\$9 Million for 3 Inverters in Fifty Years

+\$12 M 3 Battery Back-Up Systems =
Homeland Security to subsidize batteries

Kansas Solar Electric Buildings Registry

County K-SEC Cooperative=5 People+100kWp

= 20 Homes 250 SF BI-PV Solar Systems

= 5 Comm. 1,000 SF BI-PV Solar Systems

= 100 kWp X 105 Counties = 10.5 MWp

1% BI-PV Solar Electricity DEMO for KS

K-SEC PHASE II = 2009 to 2018

1,000 MWp BI-PV by 2018

Residential Photovoltaics

Building Awareness and Momentum for an
Alternative Energy Source

Design | Build Business Magazine

By Eileen M. Smith, M.Arch. Dec. 2003

<http://www.rdbmagazine.com/FEATURES/2003-12/residential-photovoltaics.asp>

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

Solar BI-PV
Natural
Clean
30,000 SF BI-
PV Roof
Installed on
Intercultural
Center 1984



Generates
One MWh
Non-polluting
Fuel-Free
Electricity
Daily
\$57,000
Yearly

Would you rather have clean fuel-free
solar BI-PV generate your electricity
or fuel-driven \$\$ polluting coal plants?



Two \$1 Billion 600 MWp COAL-FIRED
PLANTS proposed in Holcombe, Kansas
Polluting Kansans to Generate Electricity for Colorado!

Kansas Solar Electric CO~OPERATIVES

Founder & Director Eileen M. Smith, M.Arch.
719 Massachusetts #103 Post Office Box 2
Lawrence, Kansas 66044

www.geocities.com/Solar_Electric_Cooperatives
Solar_Electric_Cooperatives@yahoo.com

Join Fun K-SEC Fundraiser = Raise \$10 from 10 People

Brochure Design by Eileen M. Smith, M.Arch.
Founder & CEO Since 1992

SOLAR DEVELOPMENT COOPERATIVE
Speaker+Facilitator+Sponsor+Expert Witness

Post Office Box 2 ~ Lawrence, Kansas 66044
[1996 to 2004] 3535 East Coast Highway #216
Corona del Mar, CA 92625

www.geocities.com/Eureka/1905

KANSAS



SOLAR ELECTRIC CO~OPERATIVES

N.E.W.S. Letter Vol. 2 No. 2 March 2006

1,000 MWp Solar BI-PV by 2018

TEN 10 MWp SOLAR

Building-Integrated

Photovoltaics [BI-PV]

Manufacturing Museums

RURAL KANSAS

COMMUNITIES

NEW

PHASE I 10.5 MWp BI-PV by 2008
COUNTY SOLAR DEMONSTRATION
100 kWp per Kansas County by 2008
Step 1: KS Solar Electric Buildings Registry
Step 2: Every KS County form a Kansas Solar
Electric Co~operative to produce, install, monitor,
maintain and manage electric sells of 100 kWp
Each County 20 Homes 2.5 kWp 5 Comm. 10 kWp

**WHY FORM LOCAL
Neighborhood Energy
Watch Solution
Groups
N.E.W.S. Groups**

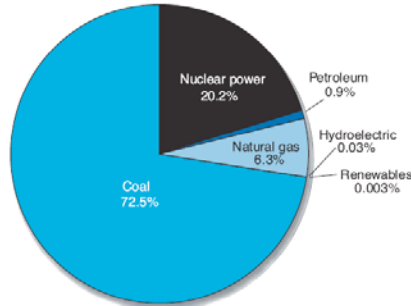


Figure 6—Kansas electricity production by fuel source, 2000 (EIA, *Electric Power Annual 2000*, vol.1, DOE/EIA-0348(2001/1), August 2001).

Kansas State Energy Resources Coordination Council
<http://www.kansasenergy.org/2003EnergyPlan2.pdf> pg14

KS ELECTRICITY PRODUCED 2000

72.5% = COAL-FIRED STEAM

0.003% = RENEWABLES

KS 18th IN NATION COAL MERCURY TOXINS

WESTAR'S JEFFREY CTR RANKS 5TH IN US

IN 2005 SIX NEW COAL PLANTS PROPOSED

FIVE [5] IN KS ONE [1] IN MO = 40%

ENVIRONMENT & COAL-RELATED DECISIONS

http://www.kansasenergy.org/coal_projects.htm

CONSUMERS CAN MONITOR

DECISIONS VIA THE INTERNET



**Burning Coal = Mercury +
Carbon Pollution & Particulates**

- ✓ Damages Fetuses
- ✓ Brain Damage
- ✓ Crop & Water Pollution
- ✓ Airborne Contaminants Coal

Contributes to Respiratory Ailments, Asthma,
Heart Disease, Kidney Disease, Cancer, Birth
Defects, Acid Rain & Global Warming!

COAL-FIRED PLANTS LOOK BAD +SMELL BAD & ARE
BAD FOR YOUR HEALTH & HEALTH OF YOUR FAMILY!

**KANSAS SOLAR ELECTRIC
BUILDINGS REGISTRY**

Solar_Cooperatives@yahoo.com

- Each KS County Establish Solar Registry
- Three-ring Notebook County Seat City Hall
- Put Homes and Office or Public Buildings on the Registry to Reveal Solar Market
- Homes 100 to 1,000 SF S to SW Facing Roof
- Sm. Comm 300 to 1,000 SF S, SW or Flat Roof
- Large Comm. 1,000 to 50,000 SF Roof
- Include the following information:

**KANSAS SOLAR ELECTRIC
CO~OPERATIVES**

Form the first K-SEC in your County:

KS House Bill 2003 = 5 people

<http://www.dsireusa.org/documents/Incentives/KS04Rb.pdf>

Not-for-Profit Cooperative List of Forms

http://www.kssos.org/forms/forms_results.asp?division=BS#Corporations%20Not%20For%20Profit

Not-for-Profit Articles of Incorporation

http://www.kssos.org/forms/business_services/CN.pdf

KS Electric Cooperative Annual Report

http://www.kssos.org/forms/business_services/EC.pdf

Kansas Business Center ~ Agencies

<https://www.accesskansas.org/businesscenter/index.html?link=resources>

Solar Companies Listed With KS Dept Revenue

<http://www.accesskansas.org/srv-corporations/keywordSearch.do>

MARCH 2006 MESSAGE FROM FOUNDER

We are excited to help counties form their Registry and K-SEC Cooperatives. December we moved into our new office in historic downtown Lawrence at 719 Massachusetts per a sublease from National Football Foundation. It has been wonderful for the most part, but recently a bit of a challenge. Despite keeping up with payment arrangements we're being threatened with eviction. No football player donations for solar . . . ??? We breath deeply, and avoid jogging by Westar's coal plant north of Lawrence. Help save the K-SEC office and/or get a better location ~ ASAP! 785-856-8001. \$4,320 pays year's rent 4/2006 to 4/2007.

January to March '06 I have been busy visiting with leaders across the state of Kansas including NE Rural Dev. Assoc., Stephan Brown, Extension Agent Brown County. I presented Greensburg City Council with a Kiowa County Solar Electric Buildings Registry for City Hall. I visited Grant County Economic Dev. Corp. and then on to Quinter's Sustainable Library. Roger Ringer gave a tour of the 3 kWp solar system they installed in 2004 with a \$10,000 grant from the KS Corporation Commission. The library is a solar generator and impressive energy saver. We are seeking rural communities interested in establishing the first BI-PV Manufacturing Museum.

Eileen M. Smith, M.Arch. Founder & Director