

Funding

LED Lighting Workshop – May 17, 2018

Kansas State University Engineering Extension – Kansas Energy Program

Potential Funding Sources

- ▶ Facility Conservation Improvement Program (FCIP)
- ▶ Energy Performance Contracting
- ▶ USDA Rural Energy for America Program (REAP)
- ▶ USDA Community Grants
- ▶ Database of State Incentives for Renewables and Efficiency (DSIRE)

Facility Conservation Improvement Program

- ▶ Covered under K.S.A. 75-37,125 and administered by the Kansas Corporation Commission (KCC).
- ▶ Allows government-owned buildings to implement energy-efficiency projects without upfront capital costs.
- ▶ Projects are paid for through guaranteed energy and operational savings.
- ▶ Requires an annual budget-neutral cash flow less than 30 years.
- ▶ There is an FCIP fee paid to the KCC, not the ESCO.

www.kcc.ks.gov/kansas-energy-office/fcip

Facility Conservation Improvement Program

- ▶ K-State provides technical overview
 - ✓ Investment Grade Audit report
 - ✓ Energy Performance Contract
 - ✓ Measurement and Verification Plans
- ▶ K-State also attends board meetings, kick-off meetings, and construction meetings, as necessary

Energy Performance Contracting

- ▶ Same as FCIP (without the FCIP)
- ▶ One party providing all engineering and construction (sometimes including financing)
- ▶ Intent is to improve infrastructure to increase energy efficiency while reducing operating costs
- ▶ Guaranteed
 - ▶ Savings, Performance, Price
- ▶ Savings offset costs
 - ▶ Energy & Operational

USDA Rural Energy for America Program

- ▶ Loan guarantees
 - ▶ Up to 75% of total eligible project costs
 - ▶ \$5,000 minimum loan amount
 - ▶ \$25 million maximum loan amount
 - ▶ Up to 85% loan guarantee
- ▶ Grants
 - ▶ Up to 25% of total eligible project costs
 - ▶ Renewable energy - \$2,500 minimum; \$500,000 maximum
 - ▶ Energy efficiency - \$1,500 minimum; \$250,000 maximum

Small Business Energy Program - Results



Small Business Energy Program - Results

- ▶ 52 energy assessments
 - ✓ 2,152,000 kWh savings
 - ✓ \$218,000 savings
 - ✓ 31 counties
- ▶ REAP grants
 - ✓ 21 applied
 - ✓ 10 approved (remaining grants are all pending)
 - USDA contribution - \$138,700
 - 827,000 kWh savings
 - \$86,100 annual savings

USDA Community Facilities Grant

- ▶ Eligibility
 - ▶ Public bodies
 - ▶ Community-based nonprofit corporations
 - ▶ Federally recognized Tribes
- ▶ Funds can be used to purchase, construct, and/or improve essential community facilities, purchase equipment and pay related project expenses

Examples of Essential Community Facilities

- ▶ Healthcare facilities such as hospitals, medical clinics, dental clinics, nursing homes or assisted living facilities
- ▶ Public facilities such as town halls, courthouses, airport hangars or street improvements
- ▶ Community support services such as child care centers, community centers, fairgrounds or transitional housing
- ▶ Public safety services such as fire departments, police stations, prisons, police vehicles, fire trucks, public works vehicles or equipment
- ▶ Educational services such as museums, libraries or private schools
- ▶ Utility services such as telemedicine or distance learning equipment
- ▶ Local food systems such as community gardens, food pantries, community kitchens, food banks, food hubs or greenhouses

Funding Priorities

- ▶ Small communities with a population of 5,500 or less
- ▶ Low-income communities having a median household income below 80% of the state nonmetropolitan median household income.

Grant Funding

- ▶ Maximum of 75% when the proposed project is:
 - ▶ Located in a rural community having a population of 5,500 or fewer; and
 - ▶ The median household income of the proposed service area is below the higher of the poverty line or 60% of the State nonmetropolitan median household income.
- ▶ Maximum of 55% when the proposed project is:
 - ▶ Located in a rural community having a population of 12,000 or fewer; and
 - ▶ The median household income of the proposed service area is below the higher of the poverty line or 70% of the State nonmetropolitan median household income.

Grant Funding

- ▶ Maximum of 35% when the proposed project is:
 - ▶ Located in a rural community having a population of 20,000 or fewer; and
 - ▶ The median household income of the proposed service area is below the higher of the poverty line or 80% of the State nonmetropolitan median household income.
- ▶ Maximum of 15% when the proposed project is:
 - ▶ Located in a rural community having a population of 20,000 or fewer; and
 - ▶ The median household income of the proposed service area is below the higher of the poverty line or 90% of the State nonmetropolitan median household income.

Database of State Incentives for Renewables & Efficiency (DSIRE)

<http://www.dsireusa.org/>

The screenshot shows the DSIRE website homepage. At the top left is the DSIRE logo and the NC Clean Energy Technology Center logo. A navigation menu includes Home, Programs, Resources, Services, Help/Support, About Us, Contact Us, and Legal Notice. A red button labeled "Try Solar Calculator" is in the top right. Social media icons for Facebook and Twitter are also present. The main heading reads "Database of State Incentives for Renewables & Efficiency®". Below this is a search bar with the text "Find Policies & Incentives Near You", a "Zip Code" input field with a globe icon, and a "Search" button. A row of five promotional tiles follows: "energysage" (Get competing solar quotes online), "pickmysolar" (Go Solar Online), "altE store" (MAKING RENEWABLE DO-ABLE SHOP NOW), "NC CLEAN ENERGY TECHNOLOGY CENTER" (AWARD-WINNING SOLAR TRAINING PROGRAM), and "Solar-Estimate" (FIND THE BEST SOLAR DEALS IN YOUR CITY). At the bottom, a text block states: "The North Carolina Clean Energy Technology Center has always striven to keep DSIRE a free and open resource, providing valuable information on thousands of policies and incentives for renewable energy and energy efficiency. It takes significant effort from our team of analysts to keep the information in DSIRE up to date. After 20+ years of federal support, the funding to keep this free resource has been discontinued. We will strive to keep DSIRE free and open for as long as we can, but we ask for your support to do so. Please consider giving a tax-deductible donation to support DSIRE today. go.ncsu.edu/givenclean". A dark grey pop-up box in the bottom right corner contains the text "Please enter your email address to be added to our mailing list." and a "Send" button.

Questions? Assistance?

<https://kansasenergyprogram.org>

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