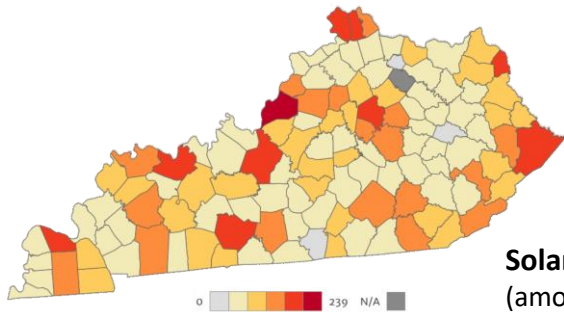


A community's processes and programs can make or break the solar value proposition for its residents and businesses. At a community's request, SolSmart supports officials in building capacity through a suite of voluntary actions that can support market growth. SolSmart empowers communities to become designated at the Bronze, Silver, or Gold level via no-cost technical assistance based on best management practices in areas identified as community priorities. This community profile highlights several important solar-relevant metrics and opportunities for solar market growth.

SOLAR MARKET

KENTUCKY HAS 1,202 SOLAR WORKERS



SOLAR JOBS RANKINGS



Solar Jobs Rank
(among the 50 states and DC) **33**

Solar Jobs Per Capita
(among the 50 states and DC) **41**

SOLAR INDUSTRY



49
SOLAR COMPANIES
IN KENTUCKY

20
SOLAR COMPANIES
IN LOUISVILLE

- In 2016, there were over 260,000 American solar workers, a 25% increase over 2015.
- One out of every 50 new jobs in the United States in 2016 was created in the solar industry.
- Solar jobs increased at least 20% each year for the fourth year in a row.

MARKET POTENTIAL

ECONOMICS OF 200 SYSTEMS



\$3,048,400
ECONOMIC OUTPUT



28.5
TOTAL JOBS

IMPROVING PROJECT FINANCIALS



\$8,577
MORE SAVINGS

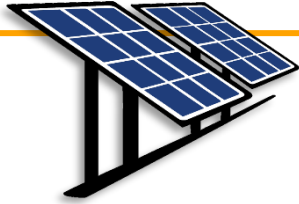


10.6
YEARS
FASTER PAYBACK

Creating a solar-friendly environment can contribute to local economic development and job creation for Louisville's residents. The TABLE ABOVE shows the projected economic development and job creation potential generated by about 200 typical residential systems of 5 kW each.

As a part of the Department of Energy SunShot Initiative, SolSmart will help communities make progress toward the SunShot target of \$1.50 per Watt. The TABLE ABOVE shows the projected improvement in savings and payback period for a 5kW project in Louisville, were it to hit the SunShot price target.

SOLAR CAPACITY



TOTAL INSTALLED CAPACITY

KENTUCKY 21 MW

United States 42,373.7 MW

DISTRIBUTED GENERATION

KENTUCKY 53.3%

United States 39%

- Solar is forecasted to rank 1st for capacity additions in 2017, outpacing additions of all other energy technologies.
- There are over 1,347,000 solar energy systems installed in the United States.

AVOIDED EMISSIONS



EQUAL TO PLANTING 5.5 FOOTBALL FIELDS OF TREES

OR NOT DRIVING

194,000 MILES

Estimated avoided carbon dioxide equivalent, based on a 5 kW PV system over 20 years

WORKSHOPS

IN-PERSON ASSISTANCE

SolSmart offers the following in-person assistance to help communities reach designation:

- Seminars or Workshops
- Intensive multi-day workshops with local government staff
- Site visits by a SolSmart expert



SOLAR CONTEXT



LOUISVILLE'S SMALL BUILDING STOCK

SUITABLE FOR PV	NA
PERCENT OF SMALL BLDGS	NA
PV CAPACITY POTENTIAL	NA
ENERGY GENERATION POTENTIAL	NA
MEAN HOUSEHOLD USE YR (KY)	14,127 kWh



LOUISVILLE'S SOLAR RESOURCE

47%	MORE SUN THAN BERLIN, GERMANY, A WORLD LEADER IN SOLAR
71%	AS MUCH SUN AS YUMA, ARIZONA, SUNNIEST CITY IN THE USA

VISIT SOLSMART.ORG OR CALL 202-866-0915 FOR INFORMATION.