

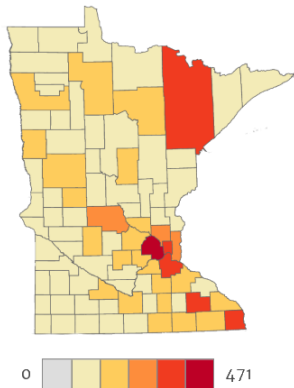
ST. PAUL, MN

SOLSMART COMMUNITY PROFILE

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

MINNESOTA HAS 1,995 SOLAR WORKERS



SOLAR JOBS BY METRO AREA



Minneapolis-St. Paul-Bloomington, MN-WI	968
Rochester, MN	94
Duluth, MN-WI	87

SOLAR INDUSTRY



136
SOLAR COMPANIES IN MINNESOTA

2
SOLAR COMPANIES IN ST. PAUL

In 2015, Minnesota ranked

- 22 in the nation in solar jobs, behind Washington and ahead of Louisiana; and
- 25 in solar jobs per capita, behind Virginia and ahead of Wisconsin.

In 2015, there were over 208,000 American solar workers, a growth of more than 20% each year for the third year in a row.

MARKET POTENTIAL

ECONOMICS OF 200 SYSTEMS



\$3,255
ECONOMIC OUTPUT



26
TOTAL JOBS

IMPROVING PROJECT FINANCIALS



\$5,981
MORE SAVINGS



8.5
YEARS
FASTER PAYBACK

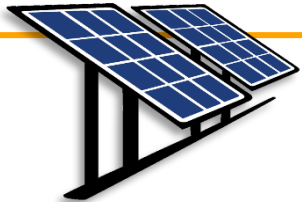
Creating a solar-friendly environment can contribute to local economic development and job creation for St. Paul's residents. The TABLE ABOVE shows the projected economic development and job creation potential generated by about 200 typical residential systems of 5 kW each.

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 St. Paul, were it to hit the SunShot price target.

ST. PAUL, MN

SOLSMART COMMUNITY PROFILE

SOLAR CAPACITY



TOTAL INSTALLED CAPACITY

MINNESOTA	33 MW
United States	27,400 MW

DISTRIBUTED GENERATION

MINNESOTA	94%
United States	42%

- Solar is forecast to rank 1st for capacity additions in 2016, outpacing additions of all other energy technologies.
- There are over 960,000 solar energy systems installed in the United States.

AVOIDED



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

ADVISORS

SOLSMART

- Program-funded temporary staff that work on-location in communities to help achieve designation.
- Advisors' engagements last up to six months.
- The next application period will begin in January 2017!

SOLAR CONTEXT



ST. PAUL'S SMALL BUILDING STOCK

SUITABLE FOR PV	no data BLDGS
PERCENT OF SMALL BLDGS	%
PV CAPACITY POTENTIAL	MW
ENERGY GENERATION POTENTIAL	kWh
MEAN HOUSEHOLD USE YR (MN)	9,716 kWh



ST. PAUL'S SOLAR RESOURCE

17% MORE SUN THAN BERLIN, GERMANY, A WORLD LEADER IN SOLAR

56% AS MUCH SUN AS YUMA, ARIZONA, SUNNIEST CITY IN THE USA



VISIT SOLSMART.ORG OR CALL 202-469-3743 FOR INFORMATION.