

Illinois Solar for All and You!

Ky Ajayi - Central Road Energy and StraightUp Solar

Illinois Solar for All (ILSFA) - Incentives

“Illinois Solar for All is a state program that makes solar installations more affordable for income-eligible residents, allowing more people to enjoy savings on their energy bills.”



Residential Solar

For **homeowners and multifamily building owners** who want energy savings with on-site solar.

[More Info](#)



Community Solar

For **homeowners or renters** who want energy savings without installing solar panels.

[More info](#)



Non-Profit and Public Facilities

For leaders and administrators of **organizations** who want energy savings with on-site solar.

[More info](#)

Illinois Solar for All (ILSFA) - Job Training

“Illinois Solar for All helps create jobs for members of historically marginalized communities. The program requires its Approved Vendors to hire job trainees from qualified job training programs. Foster care alumni, people with records, and those who reside in environmental justice and income-eligible communities are especially encouraged to participate in job training programs.”

Three Sub-Programs (well, four really)

- ▶ Residential
 - ▶ Small (1-4 Units)
 - ▶ Large (5+ Units)
- ▶ Nonprofit/Public Facilities
- ▶ Community Solar

Renewable Energy Credits

Block Category	Project Size	IL Shines		ILSFA Resi Small		ILSFA Resi Large		ILSFA NP/PF	
		Group A ^[A]	Group B ^[B]	Group A	Group B	Group A	Group B	Group A	Group B
Small DG	≤10 kW	\$73.71	\$83.87	\$180.68	\$180.28	\$109.11	\$122.43		
	>10 - 25 kW	\$63.53	\$77.53	\$149.45	\$153.65	\$92.52	\$107.72	\$101.65	\$123.54
Large DG	>25 - 100 kW	\$55.89	\$70.23	\$120.27	\$125.39	\$78.52	\$91.88	\$103.20	\$120.31
	>100 - 200 kW	\$53.63	\$63.34			\$76.66	\$85.12	\$99.96	\$110.66
	>200 - 500 kW	\$46.58	\$54.60			\$69.64	\$76.92	\$92.51	\$101.32
	>500 - 2000 kW	\$43.77	\$49.49			\$66.61	\$72.18	\$89.35	\$95.93
	>2000 - 5000 kW	\$33.03	\$37.05			\$55.45	\$58.84	\$74.97	\$79.06

Potential Tax Credits

- ▶ Federal Investment Tax Credit (ITC): 30%
- ▶ Energy Community Adder: 10%
- ▶ Domestic Content Adder: 10%
- ▶ Low Income Adder: 10%

Impact on Projects

- ▶ Residential Small
 - ▶ A few companies specialize(d) in this category
 - ▶ None now outside the Chicagoland area
- ▶ Residential Large
 - ▶ Relatively few projects
 - ▶ Small and busy roofs on Multifamily Housing
 - ▶ Multiple interconnections problematic
- ▶ Nonprofit/Public Facilities
 - ▶ Most successful sub-program
 - ▶ Smaller (25 kWdc - 100 kWdc) hard to pencil for third party investors

Examples of Capital Stacks

Sources Analysis - Resi Small (7.28 kWdc)		Sources Analysis - Resi Large (140 kWdc)		Sources Analysis - NP/PF (264 kWdc)	
System Price	\$19,235	System Price	\$446,881	System Price	\$640,250
Net RECs + ES (post AV fee and Collateral)	\$11,655	Net RECs + ES (post AV fee and Collateral)	\$168,364	Net RECs (post AV fee and Collateral)	\$398,903
ITC	\$5,771	ITC	\$134,064	Net \$10 Adder Years 7-15 (less AV fee)	\$24,849
Energy Community Adder	\$1,924	Energy Community Adder	\$44,688	ITC	\$192,075
Domestic Content Adder	\$0	Domestic Content Adder	\$0	Energy Community Adder	\$0
SIR	\$2,183	SIR	\$31,250	Domestic Content Adder	\$0
Total Sources	\$21,531	Total Sources	\$378,366	SIR	\$66,038
Balance	\$2,296	Balance	-\$68,515	Total Sources	\$681,864
% of EPC	111.94%	% of EPC	84.67%	Balance	\$41,614
				% of EPC	106.50%

ILLUME PY4 (2021-22) Report (released 2024)

Distributed Generation

1-4 Units



5+ Units



**Non-Profit
/Public**



Energy Impacts

| Approved Projects

Number of projects: **158**

Total PV Capacity (KW_{AC}): **954.2**

Average Project Cost
per KW_{AC}: **\$3,345**

Number of projects: **2**

Total PV Capacity (KW_{AC}): **370.8**

Average Project Cost
per KW_{AC}: **\$3,209**

Number of projects: **41**

Total PV Capacity (KW_{AC}): **5631.8**

Average Project Cost
per KW_{AC}: **\$2,546**

ILLUME PY4 Report

Distributed Generation

1-4 Units



5+ Units



**Non-Profit
/Public**



Bill Impacts | Energized Projects

Number of projects: **63**

Average Monthly Estimated Bill Savings per Customer: **\$90.94**

Number of projects: **1**

Average Monthly Estimated Bill Savings per Customer: **\$71.08**

Number of projects: **41**

Average Monthly Estimated Bill Savings per Customer: **\$1,290.78**

ILLUME PY4 Report

Distributed Generation

1-4 Units



5+ Units



**Non-Profit
/Public**



Economic Impacts

Approved and Energized Projects

Number of projects: **217**

Employee Compensation:
\$1,140,000

GDP Impacts:
\$3,820,000

Number of projects: **3**

Employee Compensation:
\$3,060,000

GDP Impacts:
\$10,230,000

Number of projects: **80**

Employee Compensation:
\$10,170,000

GDP Impacts:
\$34,050,000

ILLUME PY4 Report

Distributed Generation

1-4 Units



5+ Units



**Non-Profit
/Public**



Environmental Impacts

Estimated First Year Avoided Emissions (NREL) for Approved Projects

Number of projects: **158**

CO₂e lbs: **638,642**

NO_x lbs: **341**

SO₂ lbs: **707**

Number of projects: **2**

CO₂e lbs: **239,053**

NO_x lbs: **126**

SO₂ lbs: **262**

Number of projects: **41**

CO₂e lbs: **4,086,657**

NO_x lbs: **2,169**

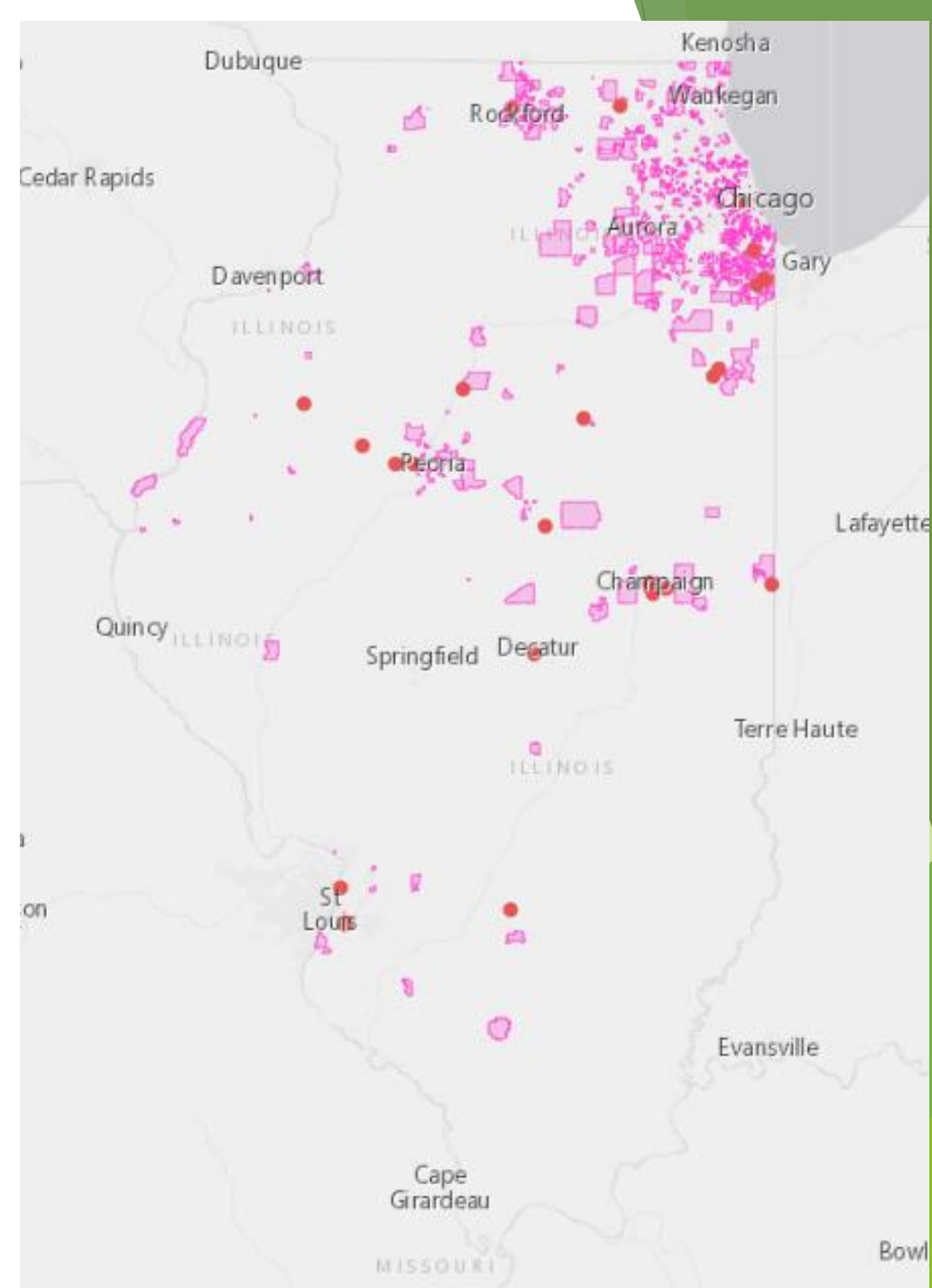
SO₂ lbs: **4,506**

ILSFA Through 2023/24 (Project Year 6)

Total through 2024	Residential Solar (Small)	Residential Solar (Large)	Non-Profit and Public Facilities
Projects	1,738	13	158
MWac	12.51	2.99	24.65
REC Value (\$M)	\$40.76	\$5.73	\$57.41
Current Budget (\$M)	\$59.20	\$60.29	\$17.62
kWac/Project	7.20	230.15	156.00
REC Value/Project (\$)	\$23,452	\$440,769	\$363,354

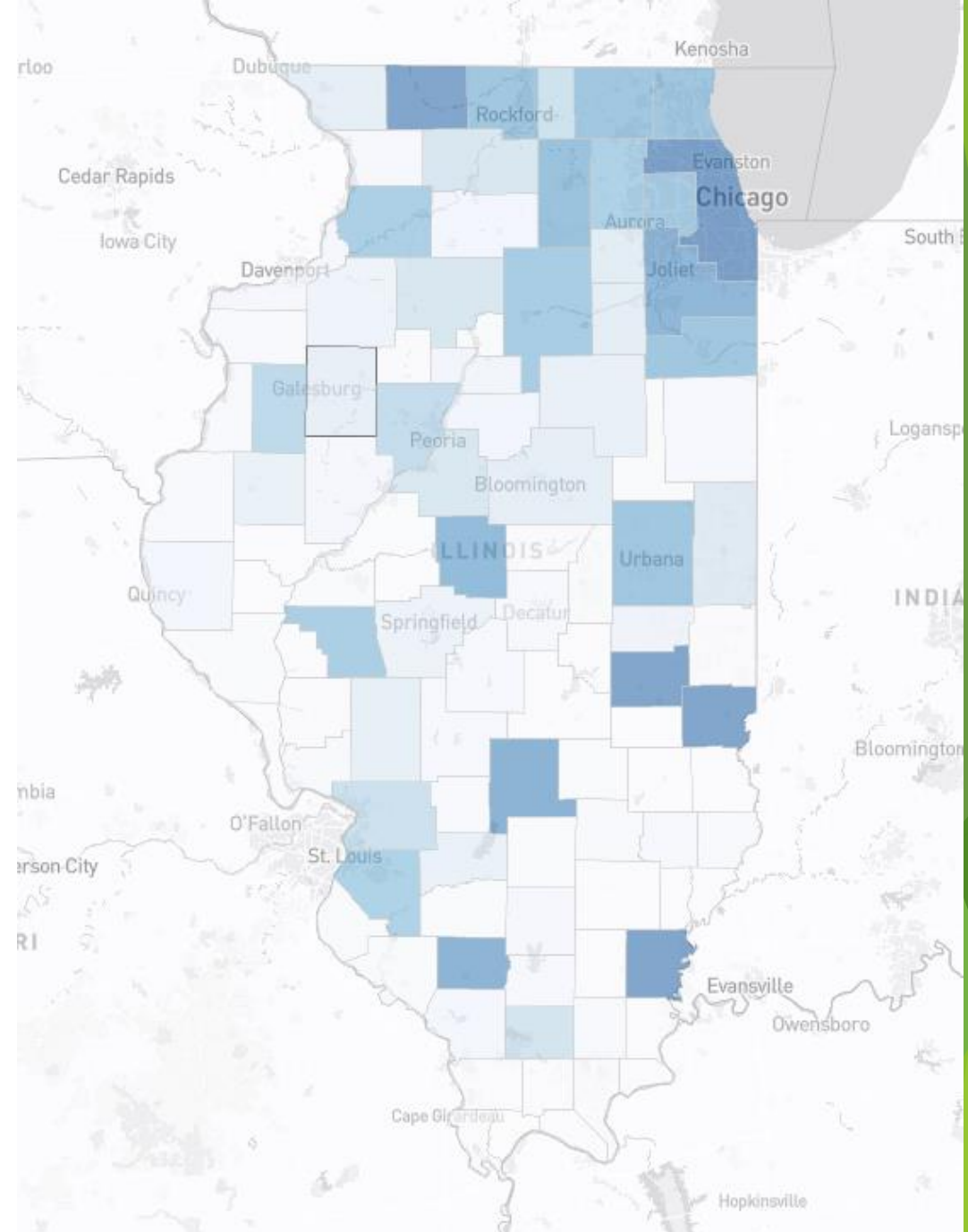
ILSFA Project Map

- ▶ Notice any geographic disparity?
- ▶ FYI, for some reason, NP/PF and Resi Large are not shown



Illinois Solar Map

- ▶ Not specific to ILSFA
- ▶ Geographic disparity still plain
- ▶ Allows quite the deep [dive](#)
- ▶ (Big thanks to the Illinois Clean Jobs Coalition and Chi Hack Night for producing this map)



ILSFA - What does this all mean?

- ▶ There is work to be done
 - ▶ How can the program achieve success in getting solar on the roofs of those who need it the most (Residential Small subprogram)?
- ▶ There has been success
 - ▶ Many folks hired into good paying, career-path jobs
 - ▶ Motivated investors figuring out how to make the Residential Large subprogram work despite structural and electrical challenges
 - ▶ The NP/PF subprogram is the poster child
 - ▶ Highest kWac installed
 - ▶ Most RECs awarded
 - ▶ Best budget utilization

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