



CRAFTED: JULY 2024

# SOLAR FOR NONPROFITS & CHURCHES

SPECIAL INCENTIVES FROM ILLINOIS

# WHY GO SOLAR?

## EMPOWER YOUR ORGANIZATION WITH SOLAR ENERGY

- It's The Right Thing to do for the Environment
- It Simply Makes Financial Sense
- Positions your organization as a Community Leader
- Financial Incentives
  - Direct Pay Investment Tax Credit
  - Illinois Shines Rebate
  - ComEd DG Rebate
- Education and Outreach Opportunities
- Great Focal Point



# SELECTION PROCESS

## FACTORS INFLUENCING SOLAR DECISIONS

### Challenges

- Funding constraints
- Regulatory hurdles
- Community engagement

### Roof vs. Ground

- Roof Condition & Age
- Space availability
- Aesthetic considerations
- Long-term maintenance

### Product

- Solar panel types
- Battery storage options
- Energy management systems

# ECONOMICS OF SOLAR FOR NONPROFITS

## UNDERSTANDING ILLINOIS SOLAR PROGRAM

### Illinois Solar for All (ILSFA)

**Target Audience:** Focuses on providing solar energy to low-income households and communities. It's designed to make solar power accessible and affordable for those who need it most.

**Financial Benefits:** Offers significant incentives that reduce the upfront cost of solar installations, making it easier for nonprofits to go solar without heavy financial burdens.

**Additional Support:** Provides education and outreach programs to ensure communities understand and can take advantage of solar energy opportunities.

### Illinois Shines

**Target Audience:** A broader program available to all Illinois residents, businesses, and nonprofits, not just low-income groups.

**Financial Incentives:** Provides renewable energy credits (RECs) for solar installations, which can be sold in order to offset installation costs, making solar investments more financially attractive.

**Program Flexibility:** Offers different participation options, such as owning a solar system or subscribing to a community solar project, giving organizations flexibility in how they engage with solar energy.

### Key Difference

**Eligibility:** ILSFA is specifically tailored for low-income communities, while Illinois Shines is available to a wider audience, including individuals, businesses, and nonprofits.

**Incentives Structure:** ILSFA focuses on upfront cost reductions through grants and incentives, whereas Illinois Shines centers around ongoing financial benefits through RECs.

**Community Impact:** ILSFA includes robust education and outreach efforts aimed at ensuring low-income communities are informed and able to participate, while Illinois Shines provides broader financial benefits to encourage widespread adoption of solar energy.

# ECONOMICS OF SOLAR FOR NONPROFITS

## MAXIMIZING FINANCIAL BENEFITS FOR YOUR ORGANIZATION

### **Direct Pay**

Nonprofits can take advantage of the Direct Pay option, allowing them to receive a payment equivalent to the Investment Tax Credit. This eliminates the need for tax liability, making solar investments more accessible and financially viable.

### **Energy Community Bonus**

Installing solar can qualify nonprofits for additional community bonuses. These incentives are designed to support projects that benefit local communities, providing an extra boost to your organization's financial return and community impact.

### **Domestic Content**

By choosing solar systems with domestic content, nonprofits can access further financial incentives. Supporting American-made products not only enhances your project's return on investment but also contributes to the national economy and job creation.

### **Low Income- Lottery**

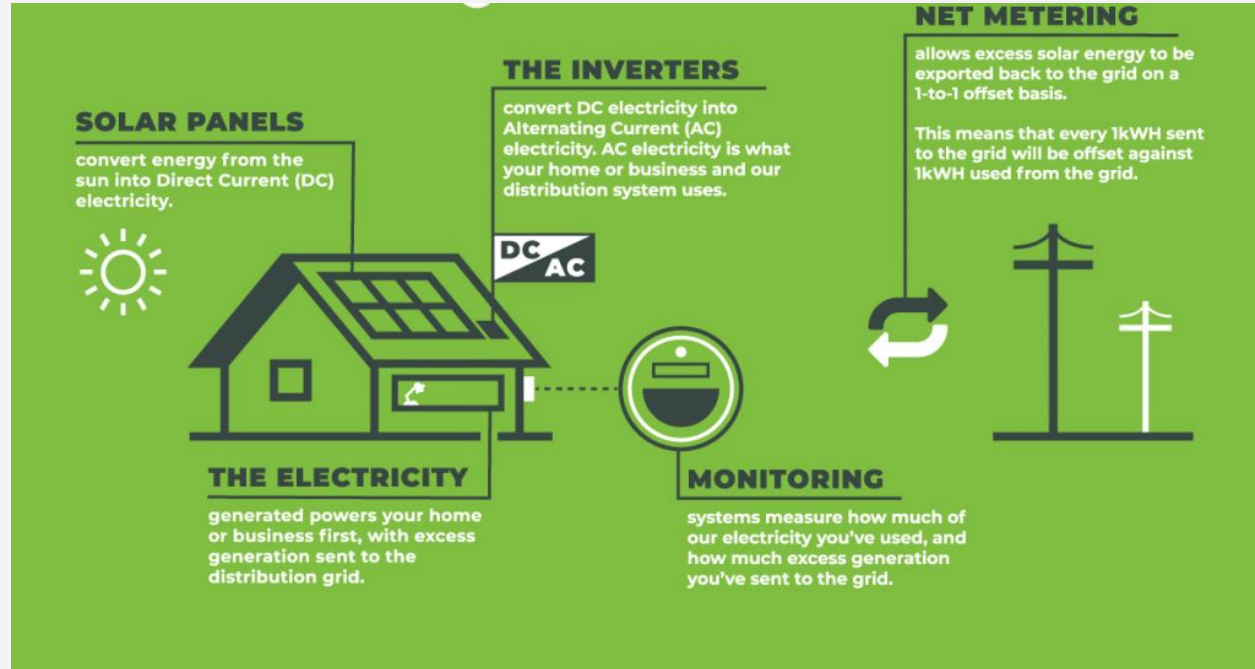
Nonprofits serving low-income communities can qualify for specific incentives aimed at reducing energy costs for underserved populations. These programs help make solar power more affordable and accessible, driving both environmental and social benefits.

## **KEY BENEFITS AT A GLANCE**

- 01** INCREASE SAVINGS
- 02** BOOST COMMUNITY IMPACT
- 03** ENHANCE PROJECT ROI
- 04** ACCESS SPECIAL PROGRAMS

# HOW DOES NET METERING WORK?

## UNDERSTANDING THE FLOW OF SOLAR ENERGY AND CREDITS



### KEY POINTS OF NET METERING

- 01 Solar Energy Generation
- 02 Excess Energy Sent to Grid
- 03 Bi-directional Metering
- 04 Energy Credits
- 05 Utility Savings



Our Savior's  
LUTHERAN CHURCH

# CASE STUDY

OUR SAVIOR'S LUTHERAN CHURCH

# SYSTEM OVERVIEW

<b>\$2.25</b>	Price Per Watt
<b>\$297,000</b>	Cost of System
<b>\$118,800</b>	Federal Income Tax Credit (FITC) 40% of a \$297,000 system)
<b>\$166,385</b>	Renewable Energy Credits (IL Shines-\$133,385. ComEd - \$33,000)
<b>\$11,815</b>	<b>Net System Cost</b>

System Size	132.00 kW
System Cost	\$297,000
Est. Year 1 Production	149,196 kWh
Est. Year 1 Savings	\$14,713



## Components (Your installation uses the latest in solar technology)



Solar Panels: **275x**  
Qcells Q.PEAK DUO XL-G10.3 480W

175 x SolarEdge P505 Power Optimizers



Inverters:

2 x  
SolarEdge Technologies Inc. SE17.3KUS (208V), SolarEdge Technologies Inc. SE50kUS



# PROJECT PHASES

	Phase 1 Completed 11/23	Phase 2	Phase 3	Total
System Size (DC)	132.48 kW	86.40kW	40.74 kW	259.62 kW
# of Panels	276	180	84	540
# of Inverters	2X	1X	2X	5X
Gross Price	\$297,000	\$199,938	\$93,702	\$590,640
Net Price	\$11,815 (3.9%)	<\$897>	<\$1,568>	\$9,350 (1.58% of gross)
Net Price IF 10% ITC "Adder" for Low Income Area attained	Included	<\$15,890>	<\$10,938>	<\$24,756>
1st Year Savings	\$14,713	\$10,703	\$4,496	\$29,912
Percentage of Electricity Generated	56%	39%	19%	114%
Percentage of Electricity Saved	44%	36%	15%	95%
Savings on Electricity Bill over 30 Years	\$733,555	\$411,333	\$203,035	\$1,347,923

June 11, 2024

OSLC  
SOLAR PHASE 1 SUMMARY

2023	1. Purchase of System	<\$297,000>	
2024	2. Commonwealth Edison DG Rebate	\$33,000*	July
2025	3. Illinois Shines S Rec Payment	\$26,007	Feb., May, Aug., Nov.
	4. Federal Tax Credit	\$118,800	June
2026-2031	5. Illinois Shines	\$125,424	Feb., May, Aug., Nov. \$20,904 per year in quarterly payments of \$5,226
2039	6. Illinois Shines Bond	\$7,600	February

June 11, 2024

**OSLC**  
**SOLAR PHASE 2 SUMMARY**

2024	1. Purchase of System	<\$199,936>	
2025	2. Commonwealth Edison DG Rebate	\$21,600*	February
	3. Federal Tax Credit	\$79,975	June
	4. Illinois Shines	\$7,163	December
2026-2031	5. Illinois Shines	\$86,980	\$14,496.65 per year in quarterly payments of \$3,624.16
2039	6. Illinois Shines Bond	\$5,116	
		-----	
		\$200,839	
	Net Cost	\$901.00 (excess)	

# ENVIRONMENTAL IMPACT FOR PHASE 1

YOUR DECISION MATTERS

**5,806**

BARRELS OF OIL

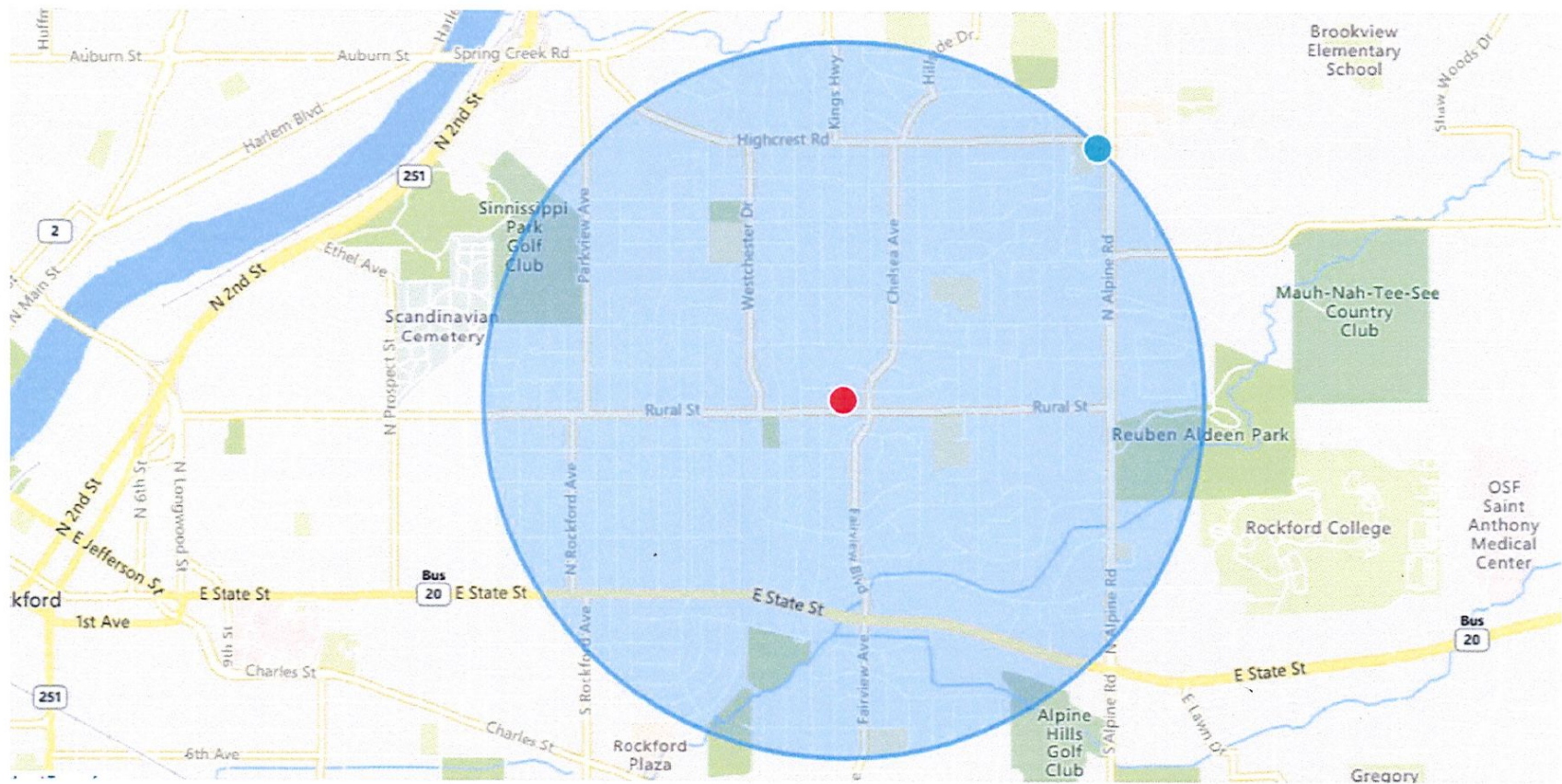
**64,000**

TREES PLANTED

**2,046.2**

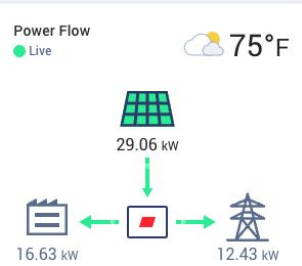
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ACRES OF FOREST



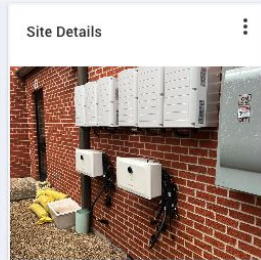
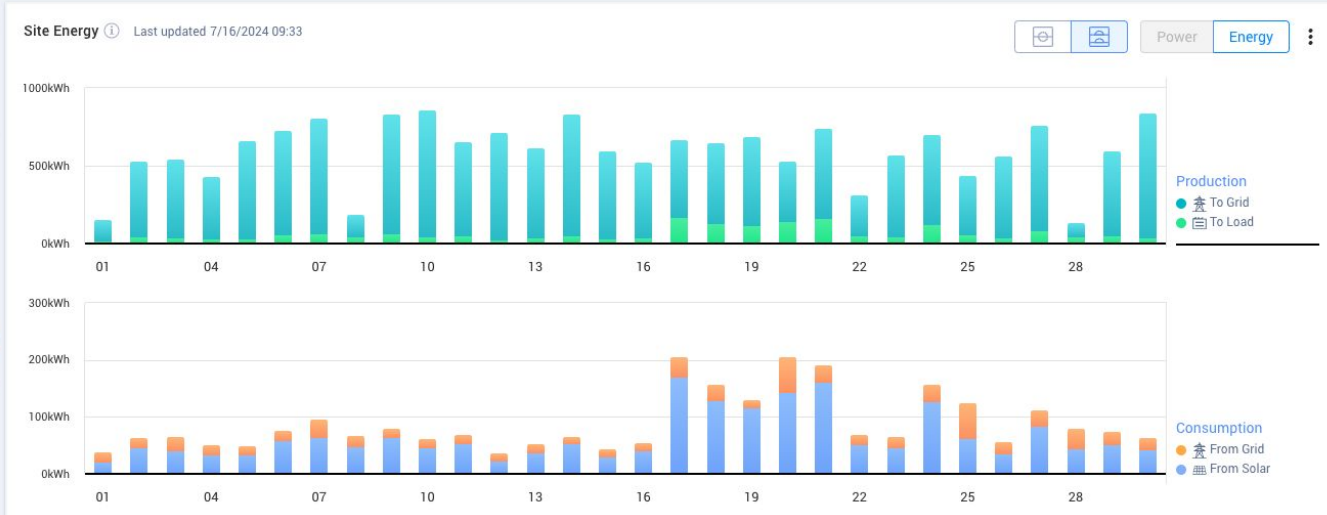
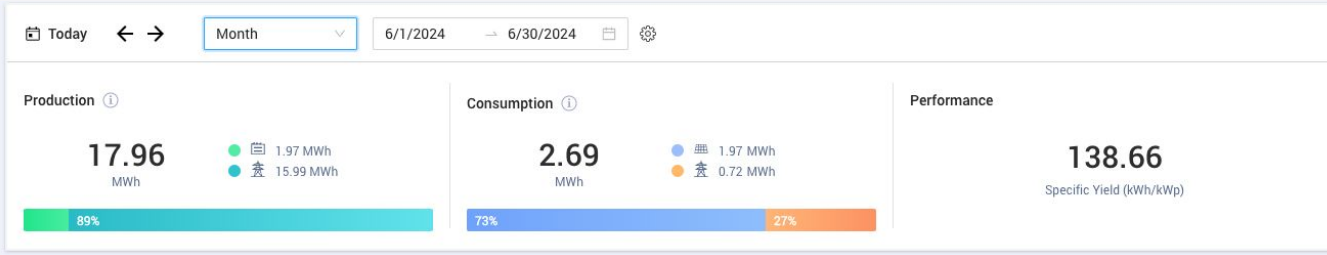
# Our Savior's Lutheran Church

## JUNE 2024 PERFORMANCE BY THE NUMBERS



Alerts

✓ No Alerts



Our Saviors Lutheran

129.52 kWp

ID: 4003539

Account

Greenlink Energy Solutions

Installation Date

11/1/2023

Address

Rural Street 3300, Rockford, IL, US

- Equipment
- Inverters (2)
  - Optimizers (135)
  - Meters (2)



217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
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100% 100% 100%  
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360	360	348.75	348.75	293.5	293.5	266.75	266.75	296.75	296.75	317.88	317.88	352.38
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.35	2.35	2.87	2.87	2.88	2.88	2.89	2.89	1.67	1.67	1.0.50	1.0.50	1.6.9
370	370	377.75	377.75	343.13	343.13	299.13	299.13	301.38	301.38	329	329	352.38
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.36	2.36	2.86	2.86	2.85	2.85	2.84	2.84	1.0.24	1.0.24	1.6.5	1.6.5	1.0.36
378.5	378.5	386.75	386.75	371.63	371.63	337.5	337.5	313.13	313.13	346.38	346.38	344.63
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.81	2.81	2.81	2.82	2.82	2.83	2.83	1.6.1	1.6.1	1.6.2	1.6.2	1.6.2	1.6.3
378.63	378.63	374.75	374.75	382.25	382.25	338.13	338.13	334.38	334.38	359.5	359.5	
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh

212.5	212.5	209.5	209.5	204.63	204.63	209.13	209.13			201.88	201.88	194.38
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh			Wh	Wh	Wh
2.68	2.68	2.51	2.51	2.52	2.52	2.53	2.53			1.0.19	1.0.19	1.5.2
203	203	211.88	211.88	212	212	202.13	202.13	204	204	205.25	205.25	209.88
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.67	2.67	2.57	2.57	2.56	2.56	2.55	2.55	2.54	2.54	1.0.45	1.0.45	1.0.1
202	202	198.63	198.63	206.5	206.5	194.88	194.88	196.13	196.13	202.75	202.75	198.63
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.62	2.62	2.58	2.58	2.59	2.59	1.5.5	1.5.5	1.0.39	1.0.39	1.0.4	1.0.4	1.0.44
198.75	198.75	199.25	199.25	198.13	198.13	197.88	197.88	196.88	196.88	203.63	203.63	196.38
Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh	Wh
2.61	2.61	2.512	2.512	2.511	2.511	2.510	2.510	1.511	1.511	1.0.8	1.0.8	1.0.16

37.72 kWh

35.32 kWh

Target Offset	56.00%	Of both Church and Shepherds Gate							
kWh	Month	Forecast			% Offset	Actual		% Offset	Difference %
		Consumption	Production	Difference	Production	Difference			
24th-29th	February	2623	1605	-1018	61.17%	1230	-375	46.89%	-23.35%
	March	12821	12563	-258	97.99%	10520	-2043	82.06%	-16.26%
	April	11087	14370	3283	129.61%	13850	-520	124.92%	-3.62%
	May	11786	17585	5799	149.21%	18930	1345	160.62%	7.65%
1st - 13th	June	5744	8659	2915	150.75%	7760	-899	135.09%	-10.38%
	Total	44061	54782	10721	124.33%	52290	-2492	118.68%	-4.55%

# CERTIFIED & GUARANTEED

COMPREHENSIVE COVERAGE FOR MAXIMUM PEACE  
OF MIND

- Aptos Panels - 30 year manufacturer & production
- SolarEdge Inverters - 20 year warranty
- SolarEdge Optimizers - 25 year warranty
- SunModo Racking - 25 year warranty
- Greenlink Workmanship/System Support - 25 years
- ILSFA- O&M for 15 Years



ROCKFORD

UNIVERSITY

— 1847 —

**PROJECT GALLERY**

ROCKFORD UNIVERSITY



DRIVE OFF ONLY  
BUS PARKING ONLY



## GET IN TOUCH

Have questions or concerns? Reach out to to the contacts below.

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## LEARN MORE ABOUT GREENLINK

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LESS GRID.  
MOREGOOD.

