EAST AURORA SD 131

ON-SITE SOLAR REVIEW

9/8/26

Becky Thompson & Aaron Raftery

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AGENDA

01 **Current State of Solar**

02 **Incentive Timing & Procurement**

03 **Next Steps**

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WORKING WITH NANIA ENERGY

Nania Energy Advisors' Efficiency & Solar Group is an independent energy advisory firm with over 25+ years working in Chicagoland. We manage the entire on-site solar process for you — feasibility study, competitive RFP, proposal review, contract negotiation, and savings verification — so your organization can compare real options side by side.

01
Conduct Feasibility Studies

02
Oversee RFP Process

03
Assess Vendor Proposals

04
Negotiate Contract Terms

05
Verify Energy Savings

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BENEFITS OF SOLAR IN ILLINOIS

$$$

ROBUST MARKETPLACE

Illinois has multiple competing solar companies AND lucrative incentive programs.

ENERGY OFFSET

Net metering allows a school to offset a larger amount of electricity needs, leading to a larger financial impact.

OPERATIONAL COST STABILITY

On-site generation adds cost control to an otherwise volatile operational expenditure.

EDUCATIONAL OPPORTUNITY

Live production data supports STEM programs and learning curriculum for students.

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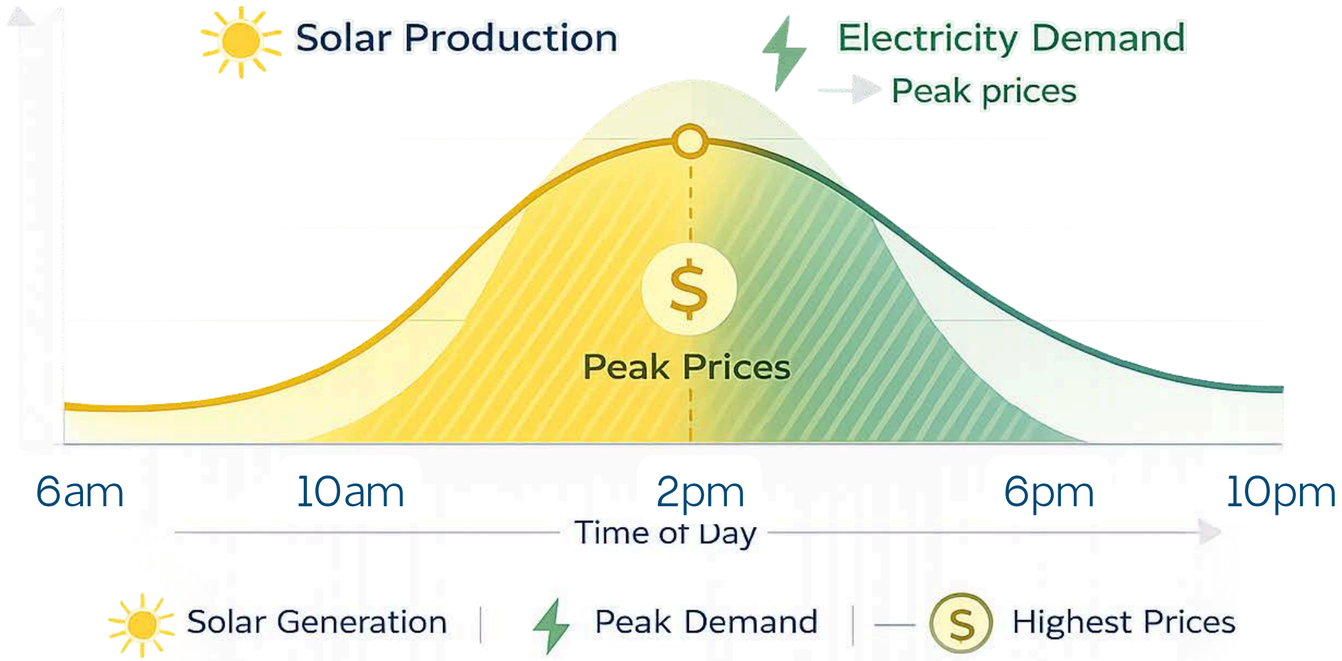
HOW SOLAR HELPS PRICES

Solar generation offsets electricity consumption during peak demand hours.



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SOLAR INCENTIVES

STATE INCENTIVES

Illinois solar incentives continue to support renewable projects, from on-site solar to storage.

FEDERAL ITC OPPORTUNITIES

Federal tax credit structures can significantly improve project economics.

TIMING MATTERS

Federal solar incentives are scheduled to phase out end of 2027 as state incentives become more robust.

30-50% **Potential Incentive Value**

Incentives can cover a significant portion of project costs

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FEDERAL INCENTIVE DEADLINES

July 4, 2026

EXPIRED

Begin Construction

Spend **5%** of project cost

OR

Begin physical construction

Dec 31, 2027

Placed in Service

Project fully operational

Only remaining option is **fully operational system** by end of 2027.

PROCUREMENT MODELS

Direct Ownership

- Organization purchases the solar system
- Organization owns and operates the system
- Receives all federal incentives
- Organization keeps all energy cost savings

Highest long-term savings

VS

Power Purchase Agreement (PPA)

- Developer finances and installs the system
- Developer owns and operates the system
- Developer receives federal incentives
- Purchases electricity at a reduced $/kWh rate

No upfront capital required

DIRECT OWNERSHIP VS PPA

VS

Direct Ownership

Best for maximizing savings

- ✓ Highest long-term savings
- ⚠ Capital or financing required
- Organization receives federal incentives
- Organization responsible for O&M
- More internal project involvement

Power Purchase Agreement (PPA)

Best for minimizing upfront cost

- ✓ No upfront capital required
- ⚠ Lower long-term savings but predictable costs
- Developers receive federal incentives
- Developer responsible for O&M
- Simpler implementation

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PROJECT TIMELINE

SEP 2026

Nania completes feasibility studies

OCT 2026

BOE go / no-go to release solar RFP

NOV–DEC 2026

Nania oversees solar RFP process

JAN–FEB 2027

Contract negotiations and award

SUMMER–FALL 2027

Project installations

FALL 2027

System energizations

NEXT STEP: FEASIBILITY STUDY

System & Site Design

- Panel layout & placement
- System size & production

Financial Analysis

- Project cost & incentives
- Payback period
- Annual Savings

Pricing & Incentives		
Total System Price	$	371,298
Federal Investment Tax Credit (30%)	$	111,389
Year 1 Depreciation Value	$	66,277
ComEd Rebate	$	37,498
Tax on grant(s)	$	(7,874)
Net Year 1 System Cost	**$**	**164,009**

Return on Investment	
Payback Period (in years)	5.3
10-Year Internal Rate of Return	8.8%
20-Year Internal Rate of Return	12.3%
30-Year Internal Rate of Return	13.1%
Cumulative cashflow yrs 1-30	$434,731

Cost of solar-produced energy over 30 years:	Cost of same amount of energy purchased from Utility:
$41,814	$476,545

Solar Saves $434,731

*Cost of buying electricity from utility company using assumed initial utility rate of $0.08/kWh

Long-Term Impact

- 25–30 year cash flow projection
- Cumulative savings analysis
- Escalation & performance assumptions

We Get Solar — nania Efficiency & Solar Group

Wrigley Field
1060 W Addison St Chicago, IL 60613

Date: 8/16/2023
Prepared by: Aaron Raftery

FINANCIAL PROFORMA

Total System Price	$ 371,298	Payback Period (yrs)	5.3	System Size:	149.99 kW-DC
ComEd Rebate	$ 37,498	Timeline	IRR	Solar production value:	$0.08/kWh
		10 Year	8.8%		

THANK YOU

Questions? Let's chat!

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