TRUE SOLAR

True Solar | Geneseo Middle School

Request for Proposal
Solar PV Ground Mounted System

Site: 333 E Ogden Ave, Geneseo, IL 61254

Primary Contact:
Blair Gretter, Vice President of Commercial Sales
blair@truesolariowa.com
M: 319.853.1189

TRUE SOLAR

Table of Contents

TRUE SOLAR

Introduction

True Solar appreciates the opportunity to submit this proposal to the Geneseo Middle School for the design and installation of the solar photovoltaic system. We understand the School's goals of reducing greenhouse gas emissions, lowering long-term energy costs, and demonstrating community leadership through visible, high-performing renewable energy projects.

As an Eastern Iowa-based company, True Solar brings a deep understanding of the regional energy landscape, utility requirements, and construction conditions. Our team has extensive experience delivering solar projects across a range of applications, from residential systems to large-scale commercial ground mount installations. We specialize in turnkey project delivery, managing all aspects of development including system design, engineering, permitting, installation, interconnection, and long-term performance monitoring.

Our approach to this project is centered on maximizing energy production within the available roof space while ensuring long-term system reliability and minimal operational burden for School staff. We prioritize high-quality equipment, thoughtful system design, and proven installation practices to deliver systems that perform consistently over their full lifecycle. Additionally, we are well-versed in federal incentive programs, including the Clean Electricity Investment Credit (Section 48E), and will support the School in maximizing available financial benefit.

True Solar is committed to delivering a safe, efficient, and well-coordinated installation process, particularly at active public facilities. We emphasize clear communication, adherence to project schedules, and minimizing disruption to ongoing operations. Our team will provide a robust monitoring platform to track system performance and support the School's interest in public visibility and education.

The Geneseo Middle School solar system will consist of a 202.24 kW solar array, utilizing top of the line SolarEdge 480V optimized string inverters, placed on a Sinclair ground mount racking system. This will also have Tier 1, Hyundai 640 Watt panels to help maximize production and financial incentives.

We look forward to partnering with the Geneseo Middle School to deliver solar installations that meet performance expectations, provide long-term value, and serve as a visible demonstration of the School's commitment to sustainability.

TRUE SOLAR

Technical Proposal

True Solar's technical approach is centered on maximizing energy production, ensuring long-term system reliability, and delivering a safe, code-compliant installation tailored to the unique requirements of each site.

System Design & Equipment

True Solar proposes the use of high-efficiency, bi-facial, Hyundai 640W photovoltaic modules, paired with SolarEdge SE80KUS domestic inverters, C651U Optimizers, and Sinclair domestic ground mount racking. This combination provides superior energy yield, module-level optimization, and enhanced system monitoring capabilities. This also helps to ensure a minimum of a 20 year manufacturer warranty on all major components.

Hyundai, SolarEdge, and Sinclair products support compliance with federal incentive programs, including the Clean Electricity Investment Credit (Section 48E). These manufacturers offer domestically produced equipment and supply chain transparency that can assist the School in meeting Prohibited Foreign Entity (PFE) requirements, maximizing eligibility for available tax credit incentives. True Solar will provide documentation and coordination required to substantiate compliance.

All equipment selected meets or exceeds applicable UL certifications, NEC requirements, and industry standards. The system design prioritizes durability, efficiency, and ease of maintenance over a minimum expected system lifespan of over 30 years.

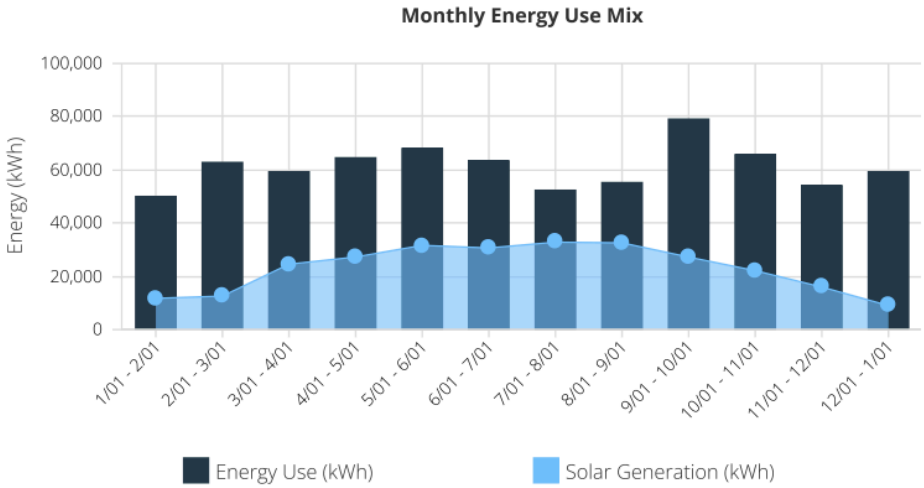
Installation Site:

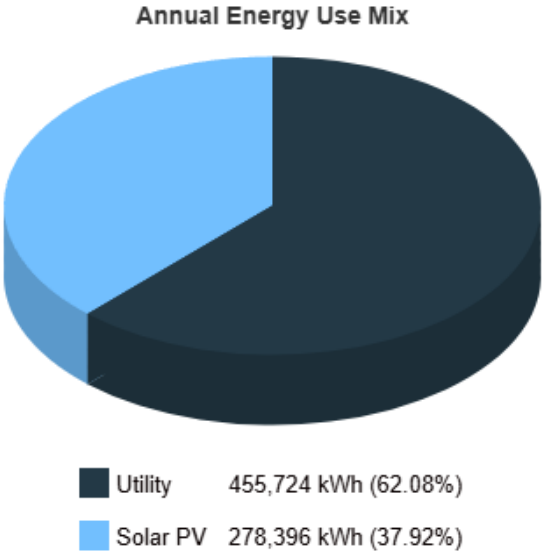
The solar array can be installed as far north and east as the School desires. True Solar will bore the electrical wire underground to the School's utility meter/electrical service located on the northwest side of the building.

System Capacity & Production

Preliminary system capacities and production estimates are as follows:

- Estimated System Capacity: 202.24 kW-DC / 160 kW-AC
- Estimated Year 1 Production: 278,396.6 kWh
- Estimated Year 1 Offset: 37.92%





Please see included:

- Exhibit A - System Production Report (bi-facial production gain omitted)

TRUE SOLAR

Monitoring System

The SolarEdge inverter platform includes a fully integrated, turnkey monitoring system that delivers industry-leading visibility into system performance. Through SolarEdge's monitoring portal, the School will have access to real-time and historical performance data at both the system and individual module level, enabling precise tracking of energy production and rapid identification of any underperformance or faults.

This module-level monitoring capability significantly enhances system reliability and maintenance efficiency by allowing issues to be pinpointed quickly without requiring full system diagnostics. As a result, downtime is minimized, service response is more targeted, and overall system performance is optimized over the life of the project.

SolarEdge's monitoring platform is widely recognized as one of the most advanced and user-friendly in the industry, offering intuitive dashboards, automated performance alerts, and detailed reporting tools. The system can be configured to provide customized access levels, enabling both internal School staff and external stakeholders to view system performance as appropriate.

Additionally, the platform can be integrated with the School's building energy management systems and adapted for public-facing dashboards, supporting the School's goals of community engagement, transparency, and education through highly visible, real-time renewable energy data.

Operations & Maintenance - 10 Year Labor Warranty

True Solar will provide a comprehensive Operations & Maintenance (O&M) program for the first ten (10) years of system operation, ensuring optimal performance, reliability, and minimal operational burden for the Geneseo Middle School. This plan combines proactive monitoring, rapid response service, and full warranty support.

Monitoring & Performance Management

True Solar will utilize the SolarEdge monitoring platform to provide continuous, real-time system oversight at both the system and module level.

Monitoring services include:

- 24/7 system performance monitoring
- Automated alerts for system faults, outages, or underperformance
- Module-level performance tracking and diagnostics
- Remote troubleshooting and issue identification
- Access for School staff to a user-friendly web-based dashboard
- Optional public-facing display integration

This advanced monitoring approach allows True Solar to identify and respond to issues quickly, minimizing downtime and ensuring consistent system performance.

Preventative Maintenance

True Solar will perform scheduled preventative maintenance to ensure long-term system reliability and efficiency.

Annual maintenance activities include:

- Visual inspection of modules, racking, and electrical components
- Verification of system integrity, including mounting systems and ballast placement
- Electrical inspection of wiring, connections, and disconnects
- Inspection for debris accumulation, shading impacts, or environmental wear
- Verification of inverter/microinverter performance

A written maintenance report will be provided to the School following each inspection.

Corrective Maintenance & Service Response

True Solar will provide responsive corrective maintenance services throughout the 10-year O&M period.

Response standards:

- Remote response to monitoring alerts: within 2 business days
- On-site service for critical issues: within 2–5 business days
- Non-critical service issues: scheduled within 5–10 business days

Corrective services include:

- Diagnosis and repair of system faults
- Replacement of failed components (in coordination with manufacturer warranties)
- System recalibration and performance optimization

Warranty Management

True Solar will manage all equipment warranty claims on behalf of the School, including:

- Identification of failed components through monitoring
- Submission and tracking of manufacturer warranty claims
- Coordination of equipment replacement and logistics
- Labor for removal and replacement of warrantied equipment

This approach eliminates administrative burden for the School and ensures timely resolution of equipment issues.

Services include:

- Annual system performance analysis
- Comparison of actual vs. projected energy production
- Identification and correction of underperformance issues
- Documentation of production trends and system health

Reporting

True Solar will provide clear and consistent reporting to support transparency and long-term system management.

Reporting includes:

- Annual performance reports (kWh production vs. projections)
- Maintenance and inspection reports
- Summary of service activities and repairs
- Recommendations for system optimization (if applicable)

Safety & Compliance

All maintenance activities will be performed in accordance with:

- OSHA safety standards
- National Electrical Code (NEC) requirements
- Manufacturer specifications
- Site-specific safety protocols

True Solar will maintain a strong safety culture and ensure all personnel are properly trained and equipped.

TRUE SOLAR

Cost Proposal

This cost proposal presents the financial analysis and projected performance of the proposed solar installation. Based on conservative assumptions for energy production, system degradation, and utility rate escalation, the project is expected to deliver long-term energy cost savings and positive financial returns. The analysis outlines system costs, incentive impacts, projected cash flows, and key financial metrics including payback period, and internal rate of return (IRR) over a 30-year period.

System Size DC kW	202.24
Cost Per Watt	$2.25
Total Project Cost	$455,040.00
FITC Base (30%)	$136,512.00
SREC (Net Year 15)	$260,599.35
Net Project Cost after Incentives	$57,928.65
IRR	14.96%
Payback in Years	5.75

Incentive Eligibility (30% ITC + SREC):

- 30% FITC
  - The project will be completed using all FEOC compliant manufacturers (Non PFE - Prohibited Foreign Entity).
    - FEOC compliance documentation from Hyundai, SolarEdge and Sinclair will be provided for the School after the project bid has been awarded.
- Solar Renewable Energy Credits (Illinois ABP Public School $65.81/REC)
  - True Solar is an approved Illinois Shines Vendor utilizing documented prevailing wage labor.
  - Carbon Solutions Group (CSG) will act as the licensed SREC agent, handling all SREC paperwork and documentation required.
  - First SREC payment made to the School after the system is energized, followed by 24 quarterly payments.
    - IPA Bond (5% of total SREC contract) and IPA Administrative Fee ($20/kW-AC) required at time of SREC application submission.

Please see included:

- Exhibit B - 30 Year Cash Flow
- Exhibit C - CSG SREC Calculation

True Solar will provide the FEOC documentation for these products, along with the Domestic Content documentation, when necessary. Lastly, we will be utilizing the services of John McCormick with Pond Porch Productions, who specializes in energy incentive compliance for both tax credits and grant writing. He will be directly consulting the Geneseo Middle School and helping to navigate the process.

Please note, True Solar will support the Geneseo Middle School in identifying and pursuing applicable federal incentives, including Direct Pay provisions and investment tax credits. However, True Solar does not provide tax, legal, or financial advisory services and makes no representations or guarantees regarding the availability, qualification, or receipt of any tax credits, incentives, or related financial benefits.

Eligibility for such incentives is subject to federal regulations, project-specific factors, and final determinations by the Internal Revenue Service (IRS) or other governing authorities. The School is encouraged to consult with its tax and financial advisors to confirm eligibility and compliance with all applicable requirements.

Payment Schedule / Milestones

True Solar is somewhat flexible regarding payment milestones, timing, etc. Invoices are normally due upon receipt once certain project milestones have been achieved. The number of payment milestones are project specific due to size and/or complexity.

Example Commercial Payment Structure:

- 20% Due Upon Contract Execution
- 35% Due Upon Utility and Permit Approval
- 15% Due Upon Racking Construction Completion
- 15% Due Upon Module Construction Completion
- 10% Due Upon AC Electrical Construction Completion
- 5% Due Upon Utility Permission to Operate

We can talk through what works best for both parties.

TRUE SOLAR

Team Members

True Solar brings a highly experienced and well-rounded team with expertise spanning solar development, engineering coordination, installation, and long-term system performance. Our team has successfully delivered projects ranging from residential systems to multi-megawatt commercial installations, with a strong focus on quality, safety, and long-term value.

Key Personnel

Travis Eichelberger | Founder
Travis Eichelberger is the Founder of True Solar and a solar energy professional with over 10 years of experience in the renewable energy industry. His background spans both operations and sales leadership, providing a comprehensive understanding of solar project development from initial planning and financial analysis through design, construction, and long-term performance. He has overseen projects ranging from residential systems to commercial rooftop installations exceeding 2 MW in size.

A native of Iowa, Travis brings a strong connection to the communities he serves and a practical understanding of the regional energy landscape. He holds an MBA from the University of Iowa and is committed to delivering reliable, high-performing solar solutions that provide long-term value for commercial and municipal clients.

Blair Gretter | VP of Commercial Sales
Blair Gretter brings over 12 years of experience in the solar industry and has sold more than 25 MW of solar capacity across commercial, industrial, and agricultural sectors. His experience spans the full project lifecycle, from early-stage prospecting and contract negotiation to serving as the primary point of contact for EPC, general contractor, and subcontractor coordination.

Blair has advanced expertise in utility tariffs and financial modeling within the PV solar, power conditioning, and energy storage industries. He leverages a data-driven approach to help clients navigate complex energy landscapes, focusing on electrical consumption reduction, capacity charge optimization, frequency regulation, and long-term financial performance.

John Lenz | Sales Manager
John Lenz is a Sales Manager at True Solar and has been with the company since its inception, playing a key role in its growth and development. He holds an MBA and brings over 5 years of experience in the solar industry, including 3 years in sales management.

John has worked directly with more than 1,000 homeowners and business owners and has helped over 400 successfully transition to solar, the majority through his work at True Solar. He is known for his ethical, customer-first approach, ensuring each recommendation aligns with client needs, resulting in consistently high customer satisfaction and zero one-star reviews across all platforms.

Danika Faulkner | Operations Manager
Danika Faulkner is an accomplished Project Manager with over a decade of leadership experience spanning

the renewable energy, logistics, and defense sectors. She currently leads solar construction projects from preconstruction through closeout, ensuring seamless coordination, schedule adherence, and high-quality execution across all phases of delivery.

Danika has a proven track record managing multimillion-dollar solar project portfolios, consistently driving strong financial performance while maintaining rigorous safety and compliance standards. Her disciplined, process-driven approach is informed by her background in the defense sector, bringing a high level of organization, accountability, and operational efficiency to every project.

She holds a Bachelor of Science in Business Administration with a concentration in Project Management from Colorado Technical University and is currently pursuing her MBA, also with a concentration in Project Management. Danika is OSHA-30 certified, NFPA 70E certified, CPR/First Aid certified, and experienced in heavy equipment operation, further reinforcing her commitment to safe and effective project execution.

Brandi Webster | Sr. Project Manager
Brandi Webster is the Project Manager at True Solar. She has been in the solar industry since 2019 and has worked on hundreds of projects spanning residential, commercial, and agricultural sectors. Brandi brings a detail-oriented, process-driven approach to project management and customer relations that ensures clarity and consistent updates to clients while not burdening them with the "nuts and bolts" or technical aspects of a project. She believes firmly in fostering strong working relationships with utilities and permitting authorities to ensure that everyone involved in a project is happy to work with True Solar, not just the client.

Quincy Watts | Lead Commercial Electrician
Quincy Watts is the Lead Commercial Electrician at True Solar, bringing extensive experience in commercial and industrial electrical systems. He is responsible for overseeing all electrical aspects of solar installations, ensuring compliance with applicable codes, utility requirements, and industry standards.

Quincy has a strong background in complex electrical installations and system integration, supporting projects from initial build through commissioning. His expertise ensures that all systems are installed safely, perform reliably, and meet the technical requirements necessary for long-term operation.

Jose Perez | Lead Installation Foreman
Jose Perez is the Lead Installation Foreman at True Solar with over 12 years of experience in solar installation and field operations. He oversees all aspects of project execution, ensuring systems are installed safely, efficiently, and in accordance with design specifications, code requirements, and industry best practices.

Jose has extensive hands-on experience managing installation crews and coordinating on-site activities for projects ranging from residential systems to large-scale commercial and agricultural installations. His leadership in the field ensures high-quality workmanship, adherence to project schedules, and a strong commitment to job site safety.

TRUE SOLAR

Additional Resources and Strategic Support

True Solar has assembled a team of additional resources to support the successful execution and long-term value of this project, extending beyond standard design and installation services.

True Solar will collaborate with John McCormick of Pond Porch Productions, who brings experience in grant writing and renewable energy funding strategies. Mr. McCormick will be able to consult directly with the Geneseo Middle School on Direct Pay provisions and tax credit optimization under the Clean Electricity Investment Credit (Section 48E). His involvement can assist the School in navigating federal incentive structures and maximizing available financial benefits.

True Solar will collaborate with Carbon Solutions Group (CSG), who will be acting as the licensed SREC agent on behalf of the School. True Solar will handle the majority of all communication, but a CSG representative will be available to answer any questions the School may have, if needed.

This specialized financial consulting provides the School with a comprehensive, value-added approach that extends beyond installation to include long-term performance, funding optimization, and overall project success.

Company Safety and Quality Adherence

True Solar maintains a comprehensive approach to jobsite safety and quality control, prioritizing the well-being of personnel, facility occupants, and the public throughout all phases of the project. All work will be performed in accordance with OSHA standards, National Electrical Code (NEC) requirements, and established industry best practices.

Our team conducts regular safety training and enforces strict adherence to site-specific safety plans, including fall protection, electrical safety protocols, and equipment handling procedures. Prior to mobilization, True Solar will develop a project-specific safety plan that identifies potential hazards and outlines mitigation strategies tailored to each site.

True Solar maintains an Experience Modification Rate (EMR) of 0.85, reflecting our strong safety performance and commitment to minimizing workplace incidents through proactive risk management and training.

In addition to safety, True Solar implements a rigorous quality control process throughout all phases of construction. This includes strict adherence to manufacturer installation guidelines, internal inspection checkpoints, and supervisor oversight to ensure all work meets design specifications and code requirements. Quality control procedures align with industry standards, including IEC 62446 for grid-connected photovoltaic system documentation, commissioning, and inspection.

Key installation milestones—such as racking installation, electrical completion, and system commissioning—are reviewed and verified prior to progressing to the next phase. Final system validation includes comprehensive testing to confirm proper operation, safety compliance, and performance expectations.

Throughout construction, designated supervisors will oversee both safety and quality compliance, conduct routine inspections, and ensure all personnel are properly trained and equipped. True Solar maintains a proactive culture focused on prevention, accountability, and continuous improvement, ensuring that all work is completed safely, accurately, and to the highest standard.

Conclusion

True Solar is pleased to submit this proposal for the Geneseo Middle School Solar PV System project. Our team brings a combination of technical expertise, proven project execution, and a commitment to long-term performance that aligns closely with the School's goals for reliability, transparency, and financial stewardship.

From proactive Safe Harbor procurement strategies to a clearly defined and achievable project schedule, True Solar has developed a comprehensive approach that minimizes risk while maximizing long-term value. Our use of high-quality, domestically compliant equipment, advanced monitoring through the SolarEdge platform, and a robust warranty and O&M program ensures that the School will benefit from a durable, high-performing solar investment.

In addition, our team's experience, combined with dedicated manufacturer support and specialized financial consulting resources, positions True Solar to successfully navigate both the technical and financial aspects of this project. We are committed to delivering a system that meets or exceeds performance expectations while providing ongoing support throughout the life of the system.

True Solar looks forward to the opportunity to partner with the Geneseo Middle School and deliver a successful project that supports the School's sustainability goals and provides long-term economic and environmental benefits.

SolarEdge + Hyundai 640W Geneseo Middle School, 333 E Ogden Ave, Geneseo, IL 61254

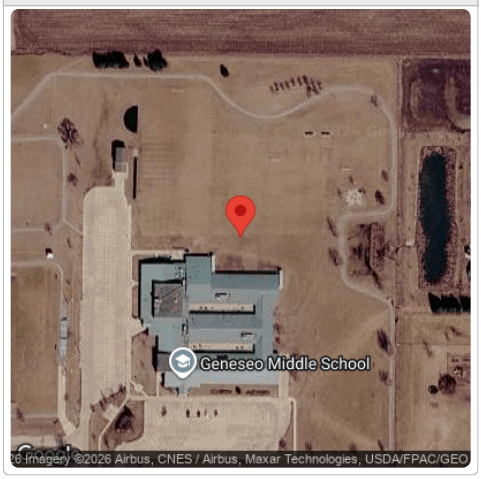
Report

Project Name	Geneseo Middle School
Project Address	333 E Ogden Ave, Geneseo, IL 61254
Prepared By	Blair Gretter blair@truesolariowa.com

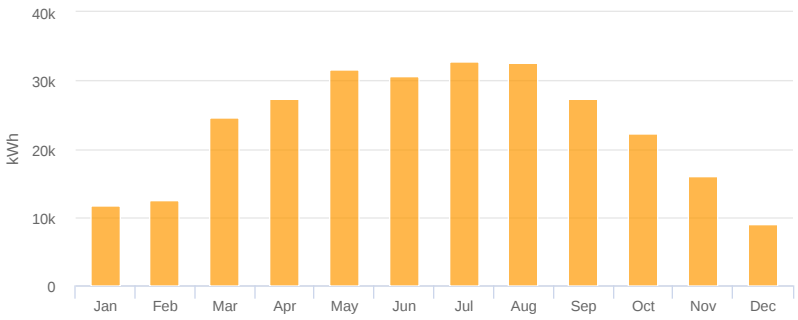
System Metrics

Design	SolarEdge + Hyundai 640W
Module DC Nameplate	202.24 kW
Inverter AC Nameplate	160.00 kW Load Ratio: 1.26
Annual Production	278.4 MWh
Performance Ratio	81.4%
kWh/kWp	1,376.6
Weather Dataset	TMY, 10km grid (41.45,-90.15), NREL (prospector)
Simulator Version	a9ad697e88-edc3d9d41a-d65a03a9dd-d28745ff1e

Project Location

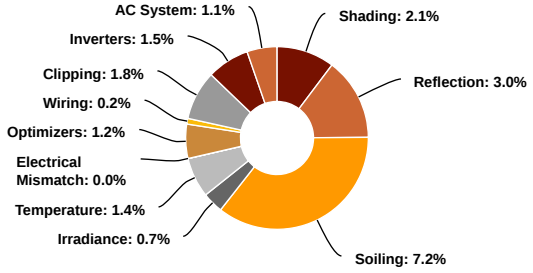


Monthly Production



Month	GHI (kWh/m²)	POA (kWh/m²)	Shaded (kWh/m²)	Nameplate (kWh)	Grid (kWh)
January	56.4	90.4	84.2	11,550.6	11,727.3
February	68.2	93.1	91.1	12,493.5	12,566.0
March	116.7	146.6	144.9	25,620.9	24,590.9
April	146.0	159.3	157.3	30,249.0	27,298.5
May	182.5	183.7	181.1	34,798.1	31,674.2
June	184.4	179.8	177.4	34,125.3	30,689.9
July	195.5	193.3	190.9	36,680.8	32,856.5
August	178.6	191.3	189.0	36,404.7	32,613.4
September	133.9	159.0	157.1	30,273.9	27,273.1
October	91.5	125.7	124.1	23,948.0	22,156.8
November	61.1	96.3	92.8	16,426.6	15,971.4
December	44.7	72.9	66.2	9,088.0	8,978.6

Sources of System Loss



Annual Production

	Description	Output	% Delta
Irradiance (kWh/m²)	Annual Global Horizontal Irradiance	1,459.3	
	POA Irradiance	1,691.3	15.9%
	Shaded Irradiance	1,656.2	-2.1%
	Irradiance after Reflection	1,607.2	-3.0%
	Irradiance after Soiling	1,491.1	-7.2%
	Total Collector Irradiance	**1,491.1**	**0.0%**
Energy (kWh)	Nameplate	301,659.5	
	Output at Irradiance Levels	299,402.4	-0.7%
	Output at Cell Temperature Derate	295,106.5	-1.4%
	Output after Electrical Mismatch	295,105.5	0.0%
	Optimizer Output	291,487.0	-1.2%
	Optimal DC Output	290,893.8	-0.2%
	Constrained DC Output	285,757.1	-1.5%
	Inverter Output	281,422.3	-1.5%
	Energy to Grid	**278,396.6**	**-1.1%**
Temperature Metrics			
	Avg. Operating Ambient Temp	12.4 °C	
	Avg. Operating Cell Temp	19.9 °C	
Simulation Metrics			
	Operating Hours	4697	
	Solved Hours	4697	

Condition Set

Description	Condition Set 3
Weather Dataset	TMY, 10km grid (41.45,-90.15), NREL (prospector)
Solar Angle Location	Meteo Lat/Lng
Transposition Model	Perez Model
Temperature Model	Sandia Model

Temperature Model Parameters

Rack Type	a	b	Temperature Delta
Fixed Tilt	-3.56	-0.075	3°C
Flush Mount	-2.81	-0.0455	0°C
East-West	-3.56	-0.075	3°C
Carport	-3.56	-0.075	3°C

Soiling (%)

J	F	M	A	M	J	J	A	S	O	N	D
30	30	10	2	2	2	2	2	2	2	10	30

Irradiation Variance	5%
Cell Temperature Spread	4° C
Module Binning Range	-2.5% to 2.5%
AC System Derate	0.50%

Module & Component Characterizations

Type	Component	Characterization
Module	HiN-T640NJ (Hyundai)	Spec Sheet Characterization, PAN
Buck Boost Optimizer	C651U (for NA use only) (SolarEdge)	Mfg Spec Sheet
Inverter	SE30KUS (USE-SIN-USR0IBNS6) - Domestic Content (SolarEdge)	
Inverter	SE80KUS (SE-DBL-US00IBNS4) - Domestic Content (SolarEdge)	

Components

Component	Name	Count
Inverters	SE80KUS (SE-DBL-US00IBNS4) - Domestic Content (SolarEdge)	2 (160.00 kW)
AC Panels	2 input AC Panel	1
AC Home Runs	4 AWG (Aluminum)	1 (37.5 ft)
AC Home Runs	500 MCM (Aluminum)	2 (6,691.6 ft)
Strings	10 AWG (Copper)	10 (1,701.1 ft)
Optimizers	C651U (for NA use only) (SolarEdge)	316 (205.40 kW)
Module	Hyundai, HiN-T640NJ (640W)	316 (202.24 kW)

Wiring Zones

Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	18-34	Along Racking
Wiring Zone 2	-	-	Along Racking

Field Segments

Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Portrait (Vertical)	Module: 30°	Module: 180°	20.2 ft	2x1	158	316	202.24 kW

Detailed Layout2

Year	Project Cost	kWh Production	Annual Savings	7.5% Collateral	IPA Admin Fee	SREC	FITC (30%)	Est. Maintenance	Est. Insurance	Cash Flow	Cumulative Cash Flow
Year 1	$ (455,040.00)	278,397	$ 20,896.45	$ (19,792.36)	$ (3,200.00)	$ 44,532.80	$ 136,512.00	$ -	$ (808.96)	$ (276,900.07)	$ (276,900.07)
Year 2	$ -	275,613	$ 21,101.23	$ -	$ -	$ 37,385.56	$ -	$ -	$ (833.23)	$ 57,653.57	$ (219,246.51)
Year 3	$ -	274,510	$ 21,437.17	$ -	$ -	$ 37,385.56	$ -	$ -	$ (858.23)	$ 57,964.50	$ (161,282.01)
Year 4	$ -	273,412	$ 21,778.45	$ -	$ -	$ 37,385.56	$ -	$ -	$ (883.97)	$ 58,280.03	$ (103,001.97)
Year 5	$ -	272,318	$ 22,125.16	$ -	$ -	$ 37,385.56	$ -	$ -	$ (910.49)	$ 58,600.23	$ (44,401.75)
Year 6	$ -	271,229	$ 22,477.39	$ -	$ -	$ 37,385.56	$ -	$ -	$ (937.81)	$ 58,925.14	$ 14,523.40
Year 7	$ -	270,144	$ 22,835.23	$ -	$ -	$ 9,346.39	$ -	$ -	$ (965.94)	$ 31,215.68	$ 45,739.08
Year 8	$ -	269,064	$ 23,198.77	$ -	$ -	$ -	$ -	$ -	$ (994.92)	$ 22,203.85	$ 67,942.93
Year 9	$ -	267,987	$ 23,568.09	$ -	$ -	$ -	$ -	$ -	$ (1,024.77)	$ 22,543.33	$ 90,486.25
Year 10	$ -	266,916	$ 23,943.30	$ -	$ -	$ -	$ -	$ -	$ (1,055.51)	$ 22,887.79	$ 113,374.04
Year 11	$ -	265,848	$ 24,324.47	$ -	$ -	$ -	$ -	$ (910.08)	$ (1,087.17)	$ 22,327.22	$ 135,701.26
Year 12	$ -	264,784	$ 24,711.72	$ -	$ -	$ -	$ -	$ (928.28)	$ (1,119.79)	$ 22,663.65	$ 158,364.91
Year 13	$ -	263,725	$ 25,105.13	$ -	$ -	$ -	$ -	$ (946.85)	$ (1,153.38)	$ 23,004.90	$ 181,369.80
Year 14	$ -	262,670	$ 25,504.80	$ -	$ -	$ -	$ -	$ (965.78)	$ (1,187.99)	$ 23,351.03	$ 204,720.84
Year 15	$ -	261,620	$ 25,910.84	$ -	$ -	$ -	$ -	$ (985.10)	$ (1,223.62)	$ 23,702.12	$ 228,422.95
Year 16	$ -	260,573	$ 26,323.34	$ -	$ -	$ 19,792.36	$ -	$ (1,004.80)	$ (1,260.33)	$ 43,850.56	$ 272,273.52
Year 17	$ -	259,531	$ 26,742.41	$ -	$ -	$ -	$ -	$ (1,024.90)	$ (1,298.14)	$ 24,419.37	$ 296,692.88
Year 18	$ -	258,493	$ 27,168.15	$ -	$ -	$ -	$ -	$ (1,045.40)	$ (1,337.09)	$ 24,785.66	$ 321,478.55
Year 19	$ -	257,459	$ 27,600.66	$ -	$ -	$ -	$ -	$ (1,066.30)	$ (1,377.20)	$ 25,157.16	$ 346,635.71
Year 20	$ -	256,429	$ 28,040.07	$ -	$ -	$ -	$ -	$ (1,087.63)	$ (1,418.52)	$ 25,533.92	$ 372,169.63
Year 21	$ -	255,403	$ 28,486.46	$ -	$ -	$ -	$ -	$ (1,109.38)	$ (1,461.07)	$ 25,916.01	$ 398,085.64
Year 22	$ -	254,382	$ 28,939.97	$ -	$ -	$ -	$ -	$ (1,131.57)	$ (1,504.90)	$ 26,303.49	$ 424,389.13
Year 23	$ -	253,364	$ 29,400.69	$ -	$ -	$ -	$ -	$ (1,154.20)	$ (1,550.05)	$ 26,696.44	$ 451,085.57
Year 24	$ -	252,351	$ 29,868.75	$ -	$ -	$ -	$ -	$ (1,177.29)	$ (1,596.55)	$ 27,094.91	$ 478,180.49
Year 25	$ -	251,341	$ 30,344.26	$ -	$ -	$ -	$ -	$ (1,200.83)	$ (1,644.45)	$ 27,498.98	$ 505,679.47
Year 26	$ -	250,336	$ 30,827.34	$ -	$ -	$ -	$ -	$ (1,224.85)	$ (1,693.78)	$ 27,908.71	$ 533,588.18
Year 27	$ -	249,335	$ 31,318.11	$ -	$ -	$ -	$ -	$ (1,249.34)	$ (1,744.60)	$ 28,324.17	$ 561,912.36
Year 28	$ -	248,337	$ 31,816.70	$ -	$ -	$ -	$ -	$ (1,274.33)	$ (1,796.93)	$ 28,745.43	$ 590,657.79
Year 29	$ -	247,344	$ 32,323.22	$ -	$ -	$ -	$ -	$ (1,299.82)	$ (1,850.84)	$ 29,172.56	$ 619,830.35
Year 30	$ -	246,355	$ 32,837.81	$ -	$ -	$ -	$ -	$ (1,325.81)	$ (1,906.37)	$ 29,605.62	$ 649,435.97
TOTAL	**$ (455,040.00)**	**7,839,271**	**$ 790,956.14**	**$ (19,792.36)**	**$ (3,200.00)**	**$ 260,599.35**	**$ 136,512.00**	**$ (22,112.55)**	**$ (38,486.61)**	**$ 649,435.97**	**$ 797,575.56**

IRR	14.961%
Net Year 1 Cost	$ (276,900.07)
30 Year Utility Savings	$ 790,956.14
Payback in Years	5.75

TRUE SOLAR

Blair Gretter
VP Commercial Sales
blair@truesolariowa.com
319-853-1189

carbon SOLUTIONS GROUP

Created May 27, 2026 10:20am by Blair Gretter at True Solar

SYSTEM INFO		
Project Name		Geneseo Middle School
Price Schedule		Public School 26/27 Pricing
Project Estimated REC Price		$65.81
Interconnecting Utility		City of Geneseo - (IL)
kW	160 AC	202.24 DC
System Location	Ground	Fixed
Projected System Output		278,397kwh
Degradation	1% year 1	0.5% year 2-15
Capacity Factor		19.07%
# of RECS in 15 Years		4,010
DC/AC Ratio		1.26
FEES AND BONDS		
Additional Collateral Required	2.5%	$6,597.45
Utility Held Collateral (Paid Upfront)	5%	$13,194.91
Non-Refundable Application Fee (Paid Upfront)		$3,200
Approved Vendor Fee (CSG Fee)	6.25%	$16,493.63
PAYMENT SCHEDULE		
Gross Contract Value		$263,898.10
Fees and Collateral withheld		-$23,091.08
After Energization (initial payment, 5% collateral paid upfront)		$16,493.63
Quarterly Payment (if applicable)		$9,346.39
Total System Payout After Fees		$240,807.02
END OF CONTRACT BOND REFUNDS		
Maximum Final Bond Refund at year 15 (could be less)		$19,792.36
Total Payout After Fees and Bond Return		$260,599.37