

# EDWARDSVILLE TOWNSHIP BOARD AGENDA

Township Hall

300 West Park Street, Edwardsville, IL

August 20th, 2024 – 7:00 P.M.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

PRESENTATIONS

PUBLIC COMMENT

CONSENT AGENDA

APPROVAL OF MINUTES

Minutes July 16<sup>th</sup>, 2024 Meeting

APPROVAL OF EXPENDITURES

Expenditures & List of Bills for Approval

CORRESPONDENCE

Madison County Zoning Board of Appeals Public Hearing Notice

Madison County Circuit Clerk – July Fines Report

COMMITTEE REPORTS

None

ACTION ITEMS

**Motion to Approve-** Bid for Edwardsville Township Hall Solar

Panels Project

**Resolution 2024- R22-** A Resolution Authorizing the Supervisor To

Apply for A Grant Through The Agency For Community Transit

NEW BUSINESS

OLD BUSINESS

SUPERVISOR'S COMMENTS

HIGHWAY COMMISSIONER'S COMMENTS

TOWNSHIP ASSESSOR COMMENTS

EXECUTIVE SESSION

Semi-Annual Review of Closed Session Minutes

ACTION ON ITEMS CONSIDERED IN CLOSED SESSION

ADJOURNMENT

*If prospective attendees require an interpreter or other access accommodations, please contact the Township Supervisor's Office at 618-656-0292 no later than 48 hours prior to the commencement of the meeting to arrange accommodations.*

**Please contact the Township Supervisor's Office at 618-656-0292  
with any questions regarding agenda items.**

## **Edwardsville Township Board Meeting Minutes Amended**

**Edwardsville Township  
300 West Park Street, IL  
7:00 p.m. Tuesday, July 16, 2024**

The in-person meeting of the Edwardsville Township Board of Trustees was called to order at the Edwardsville Township Office, 300 West Park Street, Edwardsville, IL 62025 by Supervisor Kevin Hall at 7:00 PM CDT.

**PLEDGE OF ALLEGIANCE:** Lead by Trustee Janet Haroian .

**ROLL CALL:** Township Trustees Chapman, Duame, Haroian Nutsukpui. Township Highway Commissioner Picarella, Township Assessor Hegel, Township Administrator Colvin, Township Attorney Tonya Genovese, Township Clerk Schwind, Township Supervisor Hall.

**PRESENTATIONS:** Jane Ahasay, Executive Director, GlenEd Pantry.

**PUBLIC HEARING:** Budget & Appropriation for Edwardsville Township.  
Motion to close Public Hearing on 2024-2025 Budget & Appropriations Hearing made by Trustee Chapman seconded by Trustee Haroian. Voting, "Yes," Trustee Chapman, Duame, Haroian, Nutsukpui, Supervisor Hall. Voting, "No," none. Motion passed.

**PUBLIC COMMENT:** None.

### **CONSENT AGENDA:**

**APPROVAL OF MINUTES:** June 18, 2024, as amended.

**APPROVAL OF EXPENDITURES:** Expenditures & List of Bills for Approval  
Motion to approve by Trustee Haroian, seconded by Trustee Duame. Voting, "Yes," Trustee Chapman, Duame, Haroian, Nutsukpui, Supervisor Hall. Voting, "No," none. Motion passed.

### **CORRESPONDENCE**

Madison County Zoning Board of Appeals – Public Hearing Notice.

Madison County Circuit Clerk – June Fines Report.

**COMMITTEE REPORTS:** None

**Roll Call of Decennial Committee,** Trustee Chapman, Duame, Haroian, Nutsukpui, Township Supervisor Hall, Township Assessor Hegel, Highway Commissioner Picarella, Township Assistant Colvin, present. Township Resident Sara Ber Berkbigler. Absent Township Resident Kenny Brockmeier (Deceased).

**Motion to Appoint Township Resident Gabriel Kerr to Replace Deceased Township Resident Kenny Brockmeier to the Decennial Committee** made by Highway Commissioner Picarella, seconded by Trustee Duame. Voting, “Yes,” Trustee Chapman, Duame, Haroian, Nutsukpui, Township Supervisor Hall, Township Assessor Hegel, Highway Commissioner Picarella, Township Assistant Colvin, Voting, “No,” none. Motion passed.

**Motion to Exit Decennial Committee Meeting** made by Trustee Nutsukpui, seconded by Trustee Haroian. Voting, “Yes,” Trustee Chapman, Duame, Haroian, Nutsukpui, Township Supervisor Hall, Township Assessor Hegel, Highway Commissioner Picarella, Township Assistant Colvin, Township Resident Gabe Kerr. Voting, “No,” none. Motion passed.

**ACTION ITEMS:**

**Motion to Layover Bids for Solar Panels Project.**

Motion to approve Layover Bids made by Trustee Duame, seconded by Trustee Chapman. Voting, “Yes,” Trustee Chapman, Duame, Haroian, Nutsukpui, Supervisor Hall. Voting, “No,” none. Motion passed.

**Ordinance 2024 – O04 AMENDED FY2024 -2025 Budget & Appropriation for Edwardsville Rotary. The four amended items: 1. Park Wages 2. IMRF Funds 3. Building Funds 4. General Assistance.**

Motion to approve ordinance made by Trustee Chapman seconded by Trustee Haroian. Voting, “Yes,” Trustee Chapman, Duame, Haroian, Nutsukpui, Supervisor Hall. Voting, “No,” none. Motion passed.

**Resolution 2024 – R 21 – A Resolution Authorizing Edwardsville Township to Expand Township Funds for GlenEd Pantry’s Back to School Event & Food Purchase.**

Motion to approve the resolution made by Trustee Haroian, seconded by Trustee Duame. Voting, “Yes,” Trustee Chapman, Duame, Haroian, Nutsukpui, Supervisor Hall. Voting, “No,” none. Motion passed.

**NEW BUSINESS:** None

**OLD BUSINESS:** None

**SUPERVISOR’S**

We are continuing to work with TOIRMA on replacing various pavilion roofs at Township Park from the March 2024 hailstorm.

Senior farm market coupons distribution started on July 10, and we have already distributed over one hundred coupon books.

We were notified we were awarded the MCT ACT Criterium supplies grant. We are in the process of ordering assorted items. For anyone interested in volunteering, we will be getting that sign up out shortly.

Touch a Truck we mailed out sponsorship mailings, we continue to invite vehicles, we have secured various food trucks and are working to invite a variety of children’s activities. The date is September 21st this year.

The EV charger has been installed at Township Hall and we are working to activate it and make it available to Township residents.

**HIGHWAY COMMISSIONER’S COMMENTS:**

The annual audit has begun.

Sand Road recently flooded so we called the City of Edwardsville to post signs. August 2, 2024, oil, and chipping will begin.

**ASSESSOR'S COMMENTS:**

We completed our 2024 assessments on July 11, 2024.  
On July 2, 2024, we terminated the employment of our Quad employee. We are currently looking for a replacement.

**EXECUTIVE SESSION:** None

**ADJOURNMENT:**

There being no further business to come before the board, Trustee Nutsukpui made the motion, seconded by Trustee Haroian, motion passed, adjourned at 8:13 PM CDT. Next meeting will be Tuesday, August 20, 2024, at 7:00 PM CDT at the Edwardsville Township Office, 300 West Park Street, Edwardsville Illinois 62025.

**NO ROLL CALL NEEDED PER SUPERVISOR**

ATTEST



A handwritten signature in black ink, appearing to read "David H. Schir", is written over a horizontal line.

LIST OF BILLS FOR APPROVAL  
PRESENTED TO THE BOARD MEMBERS OF  
EDWARDSVILLE TOWNSHIP

WE THE BOARD MEMBERS OF  
EDWARDSVILLE TOWNSHIP,  
MADISON COUNTY, ILLINOIS  
DO ACKNOWLEDGE, APPROVE AND  
ORDER PAYMENT OF THE BILLS HEREIN  
THIS 20<sup>TH</sup> DAY OF AUGUST 2024

**REVISED 8.20.24**

<b>Town Fund</b>	<b>\$ 10,214.71</b>
Park Fund	\$ 3,924.71
General Assistance	\$ 0.00
Payroll Fund	\$ 0.00
Capital Development	\$ 0.00
Building Fund	\$ 0.00
<b>TOTAL</b>	<b>\$ 14,139.42</b>

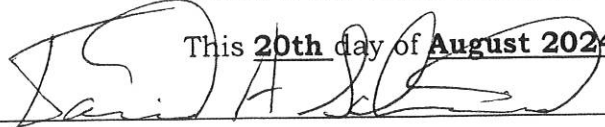
  
\_\_\_\_\_  
SUPERVISOR

  
\_\_\_\_\_  
BOARD MEMBER

  
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BOARD MEMBER

  
\_\_\_\_\_  
BOARD MEMBER

\_\_\_\_\_  
BOARD MEMBER

<p align="center"><b>TOWN TRUSTEE CERTIFICATE</b></p> <hr/> <p align="center">Meeting held <b>August 20<sup>th</sup>, 2024.</b></p> <p align="center">Town of <b>Edwardsville, Il 62025</b></p> <hr/> <p align="center">Delivered to the Town Clerk, and filed</p> <p align="center">This <b>20<sup>th</sup></b> day of <b>August 2024</b></p> <p align="center"> _____ Town Clerk</p>
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REVISED  
8.20.24

<b>Vendor Name</b> <b><u>Town Fund</u></b>	<b>Amount Due</b>
BUILDING STARS - CLEANING SERVICE	\$ 391.00
CARDMEMBER SERVICES - ASSR - OFFICE SUPPLIES	\$ 608.72
CARDMEMBER SERVICES - SUPR - OFFICE SUPPLIES, DUES & SUB	\$ 7,564.14
DAVIS, DARREN - CPR & FIRST AID TRAINING	\$ 180.00
KS LAWN - 7/2, 7/16, 7/23 -SPRAYED WEEDS 7/31	\$ 295.00
MCT - (ASSR) - COMPUTER CHARGES - AUGUST	\$ 131.68
MINUTEMAN PRESS - ENEVELOPES & SPONSORSHIP LEVELS	\$ 408.28
MIDWEST OCCUPATIONAL MEDICINE - NEW INTERN	\$ 50.00
TONYA GENOVESE - LEGAL SERVICES - SEPTEMBER	\$ 500.00
WILLIAMS OFFICE PRODUCTS - B/W & COLOR COPIES	\$ 85.89
	<b>\$ 10,214.71</b>

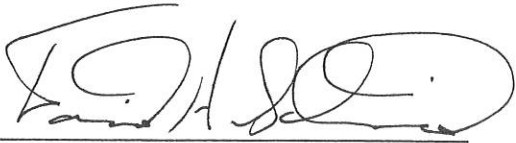
**\*\* Took off Home Depot - Paid last month\*\***

<b><u>Park Fund</u></b>	
DAVIS, DARREN - CPR & FIRST AID TRAINING	\$ 45.00
CARDMEMBER SERVICES - LEATHER & ASSOCIATES, SUNBELT & DOBB'S	\$ 2,758.85
CASUAL TEES - WORK SHIRTS	\$ 212.91
CONCEPT PLUMBING - DRINKING FOUNTAINS, TOILET RESTROOM #2, FAUCET NOT WORKING	
M/W ALL SEASON RESTROOM	\$ 820.00
HOME DEPOT - PVC SHEET & DECK BOARD	\$ 48.95
ST. PETERS HARDWARE - RED LINE	\$ 39.00
	<b>\$ 3,924.71</b>

**Attestation to Edwardsville Township**

**Payouts of Funds**

I, pursuant to Illinois Statue 60 ILCS 1/7-27, have reviewed the summary of payments attached. After reviewing the attached summary, I authenticate such payouts are authorized by the township board, expended for the purposes specified, provided for in the budget and directed to be paid out by the Township Supervisor.



Township Clerk

08-20-2024

Date

LIST OF EXPENDITURES FOR  
 JULY 6<sup>TH</sup>, 2024 – AUGUST 9, 2024  
 PRESENTED TO THE BOARD MEMBERS  
 OF THE TOWNSHIP OF EDWARDSVILLE, ILLINOIS  
 WE THE BOARD MEMBERS OF  
 EDWARDSVILLE TOWNSHIP,  
 MADISON COUNTY, ILLINOIS  
 DO ACKNOWLEDGE AND APPROVE THE  
 EXPENDITURES HEREIN  
 THIS 20<sup>TH</sup> DAY OF AUGUST 2024


01 – TOWN	CHECK #8437 thru CHECK #8454	\$37,471.74
02 – PARK	CHECK #ACH thru CHECK #ACH	\$9,166.55
03 – G. ASSISTANCE	CHECK #2144 thru CHECK #2147	\$1,161.30
04 – PAYROLL	CHECK #1429 thru CHECK #1429	\$36,076.33
11 – TOWN/IMRF	CHECK #EFT thru CHECK #EFT	\$1,975.83
12 – TOWN/SS	CHECK #EFT thru CHECK #EFT	\$1,424.84

**\$87,276.59**

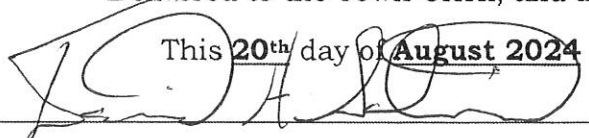
  
 \_\_\_\_\_  
 SUPERVISOR

  
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 BOARD MEMBER

  
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 BOARD MEMBER

  
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 BOARD MEMBER

\_\_\_\_\_  
 BOARD MEMBER

<b>TOWN TRUSTEE CERTIFICATE</b>
Meeting held <b>August 20, 2024.</b>
Town of <b>Edwardsville, IL 62025</b>
Delivered to the Town Clerk, and filed
This <b>20<sup>th</sup></b> day of <b>August 2024</b>
 _____ Town Clerk

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Town Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
ACH	7/10/24	AMEREN IP	\$ 461.85
EFT	7/11/24	PAYROLL CLEARING FUND	\$ 26.63
EFT	7/12/24	PAYROLL CLEARING FUND	\$ 15,398.17
EFT	7/12/24	PAYROLL CLEARING FUND	\$ 1,643.03
EFT	7/12/24	PAYROLL CLEARING FUND	\$ 1,620.19
8437	7/15/24	EXTRA HELP	\$ 174.23
8443	7/15/24	CHRISTINE DOTY	\$ 23.98
ACH	7/15/24	ESTECH SYSTEMS INC	\$ 156.17
ACH	7/15/24	CHARTER BUSINESS	\$ 199.97
ACH	7/18/24	REPUBLIC SERVICES	\$ 154.65
8454	7/22/24	GLEN-ED PANTRY	\$ 4,000.00
ACH	7/29/24	PAYROLL CLEARING FUND	\$ 30.08
EFT	7/29/24	PAYROLL CLEARING FUND	\$ 13,582.79
<b>TOTAL</b>			<b>\$ 37,471.74</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Park Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>		<b>Amount</b>
ACH	7/9/24	CHARTER BUSINESS	\$	89.99
ACH	7/9/24	AMEREN IP	\$	32.68
ACH	7/9/24	AMEREN IP	\$	721.21
EFT	7/12/24	PAYROLL CLEARING FUND	\$	3,379.00
ACH	7/15/24	AMEREN IP	\$	33.34
EFT	7/22/24	PAYROLL CLEARING FUND	\$	497.26
ACH	7/24/24	REPUBLIC SERVICES	\$	343.97
EFT	7/29/24	PAYROLL CLEARING FUND	\$	4,069.10
		<b>TOTAL</b>	<b>\$</b>	<b>9,166.55</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**General Assistance Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
2144	7/15/24	AMEREN IP	\$ 261.86
2145	7/22/24	SCHNUCKS MARKETS, INC	\$ 49.44
2146	7/22/24	V&G, LLC	\$ 425.00
2147	8/9/24	V&G, LLC	\$ 425.00
<b>TOTAL</b>			<b>\$ 1,161.30</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Payroll Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
EFT	7/11/24	ROAD FUND	\$ 8,965.61
ACH	7/11/24	EXTRA HELP	\$ 2,733.68
ACH	7/11/24	EXTRA HELP	\$ 5,609.80
ACH	7/12/24	HUMANA	\$ 532.89
1429	7/15/24	NCPERS GROUP LIFE INS	\$ 48.00
ACH	7/26/24	EXTRA HELP	\$ 2,990.02
ACH	7/29/24	EXTRA HELP	\$ 5,389.44
ACH	7/31/24	BLUE CROSS BLUE SHIELD OF IL	\$ 3,891.43
ACH	8/9/24	IMRF	\$ 5,915.46
<b>TOTAL</b>			<b>\$ 36,076.33</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Town/IMRF Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
EFT	8/9/24	PAYROLL CLEARING FUND	\$ 1,975.83
		<b>TOTAL</b>	<b>\$ 1,975.83</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Town/SS Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
EFT	7/11/24	PAYROLL CLEARING FUND	\$ 1,424.84
		<b>TOTAL</b>	<b>\$ 1,424.84</b>

## Attestation to Edwardsville Township

### Payouts of Funds

I, pursuant to Illinois Statue 60 ILCS 1/7-27, have reviewed the summary of payments attached. After reviewing the attached summary, I authenticate such payouts are authorized by the township board, expended for the purposes specified, provided for in the budget and directed to be paid out by the Township Supervisor.



Township Clerk

08-20-2024  
Date

LIST OF BILLS FOR APPROVAL  
PRESENTED TO THE BOARD MEMBERS OF  
EDWARDSVILLE TOWNSHIP

WE THE BOARD MEMBERS OF  
EDWARDSVILLE TOWNSHIP,  
MADISON COUNTY, ILLINOIS  
DO ACKNOWLEDGE, APPROVE AND  
ORDER PAYMENT OF THE BILLS HEREIN  
THIS 20<sup>TH</sup> DAY OF AUGUST 2024

**REVISED 8.19.24**

Road Fund	\$	690.49
Perm. Road Fund	\$	53,138.30
<b>TOTAL</b>	<b>\$</b>	<b>53,828.79</b>

  
HIGHWAY COMMISSIONER

  
BOARD MEMBER

  
BOARD MEMBER

  
BOARD MEMBER

\_\_\_\_\_  
BOARD MEMBER

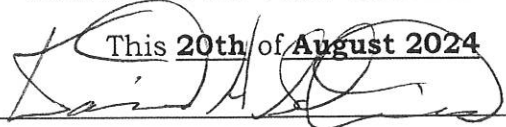
**TOWN TRUSTEE CERTIFICATE**

Meeting held **August 20<sup>th</sup>, 2024.**

Town of **Edwardsville, IL 62025**

Delivered to the Town Clerk and filed.

This **20<sup>th</sup>** of **August 2024**

  
\_\_\_\_\_  
Town Clerk

REVISED  
8.19.24

**Vendor Name**

**Amount Due**

**Road Fund**

CARDMEMBER SERVICES- VERIZON, GLEN CARBON	\$	150.49
<b>DAVIS, DARREN - CPR TRAINING</b>	\$	<b>40.00</b>
TONYA GENOVESE - LEGAL - SEPTEMBER	\$	500.00
	\$	<b>690.49</b>

**Perm. Road Fund**

ASSURED PARTNERS - INSURANCE	\$	12.00
BLAKE PERRY-BOOT REIMBURSEMENT	\$	186.36
CARDMEMBERS SERVICES-MCKAY, BOBCAT,TRUCK CENTERS, TAKE CARE PROPERTIES1764.31	\$	1,407.84
CHRIST BRO-COLD MIX	\$	898.00
DELAURENT CONSTRUCTION-SEAL COAT	\$	16,112.25
ILLIAN CONSTRUCTION-OIL-2 TANKERS	\$	31,701.60
M&M-FUEL	\$	1,444.49
MCKAY-GROTE LIGHT, FILTER, OIL	\$	522.12
MICKS GARAGE-2 INSPECTIONS	\$	96.00
MUG-A-BUG-PERM X UL 4-4	\$	362.64
O'FALLON SHILOH TOWING - TRACTOR	\$	395.00
	\$	<b>53,138.30</b>

## Attestation to Edwardsville Township

### Payouts of Funds

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Township Clerk




Date

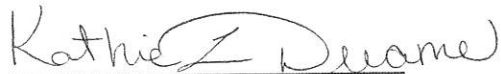
LIST OF EXPENDITURES FOR  
 JULY 6<sup>TH</sup>, 2024 – AUGUST 9<sup>TH</sup>, 2024  
 PRESENTED TO THE BOARD MEMBERS  
 OF THE TOWNSHIP OF EDWARDSVILLE, ILLINOIS  
 WE THE BOARD MEMBERS OF  
 EDWARDSVILLE TOWNSHIP,  
 MADISON COUNTY, ILLINOIS  
 DO ACKNOWLEDGE AND APPROVE THE  
 EXPENDITURES HEREIN  
 THIS 20<sup>TH</sup> DAY OF AUGUST 2024

06 – ROAD	CHECK #ACH thru CHECK #ACH	\$ 14,323.07
07 – P. ROAD	CHECK #3280 thru CHECK #3280	\$ 22,950.48
09 – ROAD/SS	CHECK #EFT thru CHECK #EFT	\$ 1,539.19
10 – ROAD/IMRF	CHECK #EFT thru CHECK #EFT	\$ 1,486.67
		<b>\$ 40,299.41</b>

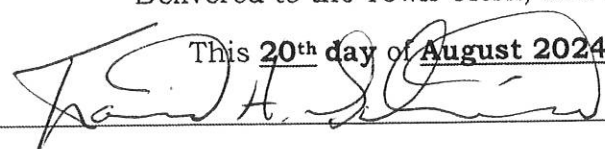
  
 HIGHWAY COMMISSIONER

  
 BOARD MEMBER

  
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\_\_\_\_\_  
 BOARD MEMBER

<b>TOWN TRUSTEE CERTIFICATE</b>
Meeting held <b>August 20<sup>th</sup>, 2024.</b>
Town of <b>Edwardsville, IL 62025</b>
Delivered to the Town Clerk, and filed
This <b>20<sup>th</sup></b> day of <b>August 2024</b>
 _____ Town Clerk

Edwardsville Township  
Check Register  
July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024  
Road Fund

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
ACH	7/10/24	AMEREN IP	\$ 480.55
ACH	7/10/24	AT & T	\$ 167.16
EFT	7/11/24	PAYROLL CLEARING FUND	\$ 8,965.61
EFT	7/12/24	PAYROLL CLEARING FUND	\$ 2,145.83
EFT	7/29/24	PAYROLL CLEARING FUND	\$ 2,145.83
ACH	8/6/24	AT & T	\$ 167.82
ACH	8/6/24	AMEREN IP	\$ 250.27
<b>TOTAL</b>			<b>\$ 14,323.07</b>

Edwardsville Township  
Check Register  
July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024  
Permanent Road Fund

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
ACH	7/10/24	UNITED HEALTH CARE	\$ 2,959.86
EFT	7/11/24	PAYROLL CLEARING FUND	\$ 8,965.61
ACH	7/17/24	AMEREN IP	\$ 611.30
EFT	7/29/24	PAYROLL CLEARING FUND	\$ 9,779.36
ACH	8/6/24	AMEREN IP	\$ 634.35
<b>TOTAL</b>			<b>\$ \$22,950.48</b>

**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Road/SS**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>		<b>Amount</b>
EFT	7/11/24	PAYROLL CLEARING FUND	\$	738.47
EFT	7/29/24	PAYROLL CLEARING FUND	\$	800.72
			<b>TOTAL</b>	<b>\$ 1,539.19</b>

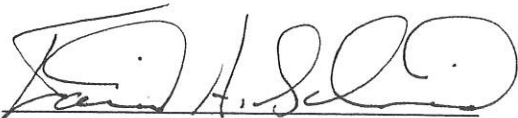
**Edwardsville Township**  
**Check Register**  
**July 6<sup>th</sup>, 2024 – August 9<sup>th</sup>, 2024**  
**Road/IMRF Fund**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Amount</b>
EFT	8/9/24	PAYROLL CLEARING FUND	\$ 1,486.87
		<b>TOTAL</b>	<b>\$ 1,486.67</b>

## Attestation to Edwardsville Township

### Payouts of Funds

I, pursuant to Illinois Statue 60 ILCS 1/7-27, have reviewed the summary of payments attached. After reviewing the attached summary, I authenticate such payouts are authorized by the township board, expended for the purposes specified, provided for in the budget and directed to be paid out by the Township Supervisor.



Township Clerk

08-20-2024

Date



Madison County Government  
Building & Zoning Department

Administrator Chris Doucleff  
Madison County Administration Building  
157 N. Main Street Suite 254 | Edwardsville, IL 62025-1964  
Phone: (618) 692-7040 ext. 4468  
E-mail: [zoning@madisoncountvil.gov](mailto:zoning@madisoncountvil.gov)

**Kurt Prenzler, CPA**  
County Board Chairman

**Agenda**

**Madison County Zoning Board of Appeals Meeting  
August 27, 2024 at 5:00 p.m.  
Madison County Board Room, Suite 203**

**1. Call of Meeting to Order**

**2. Roll Call**

- Don Metzler, Chairperson
- Nicholas Cohan
- George Ellis
- Mary Goode
- Cedric Irby
- Sharon Sherrill
- Curtis Stephens

**3. Approval of Minutes – July 23, 2024**

**4. Overview of Zoning Petitions**

**5. Explanation of Zoning Hearing Procedures and Swearing in of All Parties**

**6. Zoning Hearings**

1. **Hearing Z24-0040** – Petition of Michael Merkel, applicant on behalf of Jerry Merkel, owner of record, requesting a zoning map amendment to rezone the approximately 2.0 acre tract of land from “R-2” Single-Family Residential District to “A” Agricultural District. Also requesting a Special Use Permit as per §93.023, Section D, Item 43 of the Madison County Zoning Ordinance in order to construct a post-frame/pole barn-style single-family dwelling on a lot that is 2.0-9.99 acres in size. This is located in Pin Oak Township at **8316 State Route 143, Edwardsville, Illinois**, County Board District #11, PIN# 10-2-16-16-04-401-007
2. **Hearing Z24-0044** – Petition of Benjamin Klene, owner of record, requesting a variance as per §93.025, Section B, Item 4 of the Madison County Zoning Ordinance in order to construct a new single-family dwelling that will be 17 feet from the east property line instead of the required 25 feet. This is located in an “R-1” Single-Family Residential District in Collinsville Township at **5661 Old Keebler Rd, Collinsville, Illinois**, County Board District #25, PIN# 13-1-21-04-00-000-032
3. **Hearing Z24-0046** - Petition of Chris Geiler with Resource Construction Company, LLC, applicant on behalf of WCE LLC, owner of record, requesting a zoning map amendment to rezone the approximately 9.22 acre tract of land from “R-1” Single-Family Residential District to “R-7” Planned Residential District. This is located in Collinsville Township **along Keebler Rd, Collinsville, Illinois**, County Board District #25, PIN# 13-1-21-16-00-000-037
4. **Hearing Z24-0048** - Petition of Luke Allan, owner of record with Samantha Allan, requesting a Special Use Permit as per §93.023, Section D, Item 43 of the Madison County Zoning Ordinance in order to construct a post-frame/pole barn-style single-family dwelling on a lot that is 2.0-9.99 acres in size. This is located in Jarvis Township at **9059 E Kirsch Rd, Troy, Illinois**, County Board District #2, PIN# 09-2-22-23-00-000-028

5. **Hearing Z24-0051** - Petition of Sharon Searcy, owner of record, requesting a Special Use Permit as per §93.032, Section D, Item 3 of the Madison County Zoning Ordinance in order to place a double-wide mobile home on site for the occupancy of Sharon Hagerman for a period not to exceed 5 years. This is located in a "B-4" Wholesale Business District in Wood River Township at **99 Circle Drive, Cottage Hills, Illinois**, County Board District #13, PIN# 19-2-08-11-01-107-016.002
6. **Hearing Z24-0059** - Petition of Tom Fredricksen with Nelson Family Enterprises, LLC, applicant on behalf of Arvel Schlechte, owner of record, requesting a zoning map amendment to rezone the approximately 1.37 acre tract of land from "B-2" General Business District to "B-4" Wholesale Business District. This is located in Olive Township at **7670 State Route 4, Worden, Illinois**, County Board District #3, PIN# 08-1-05-29-00-000-009

**7. Citizens Wishing to Address the Zoning Board of Appeals**

**8. Unfinished Business**

**9. New Business**

1. Z24-0040 – Petition of Michael Merkel, on behalf of Jerry Merkel
2. Z24-0044 – Petition of Benjamin Klene
3. Z24-0046 – Petition of Chris Geiler with Resource Construction Company, LLC, on behalf of WCE LLC
4. Z24-0048 – Petition of Luke Allan and Samantha Allan
5. Z24-0051 – Petition of Sharon Searcy
6. Z24-0059 - Petition of Tom Fredricksen with Nelson Family Enterprises, LLC, on behalf of Arvel Schlechte

**10. Zoning Coordinator's Report**

**11. Adjournment**

**THOMAS McRAE  
MADISON COUNTY CLERK OF THE CIRCUIT COURT  
EDWARDSVILLE, ILLINOIS**

**Monthly Report - General Account  
Collection from Traffic, Misdemeanor, Ordinance Violation, Conservation Violation, and Felony Cases**

**FOR: July 2024**

	FINE	DUI FINE	DRUG FINE	SUPR VEH	ECITATION	FTA WARRANT	AGY AUTO EXPUNGE	LOC AGY 19	TRANS SAFETY
Alton	5,531.31	664.00	50.00	0.00	98.00	490.00	0.00	797.17	0.00
Bethalto	544.48	0.00	0.00	0.00	38.00	70.00	0.00	498.00	0.00
Collinsville	3,501.01	750.00	0.00	0.00	40.00	0.00	0.00	410.00	0.00
East Alton	507.82	50.00	0.00	0.00	24.00	0.00	0.00	175.00	0.00
Edwardsville	5,510.38	4,017.00	0.00	0.00	160.00	210.00	0.00	2,184.00	0.00
Fairmont City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Glen Carbon	1,338.00	376.54	0.00	0.00	27.24	70.00	0.00	250.00	0.00
Godfrey	93.75	0.00	0.00	0.00	0.00	0.00	0.00	23.00	0.00
Granite City	3,008.57	270.00	0.00	0.00	54.00	140.00	0.00	480.00	0.00
Grant Fork	0.00	0.00	0.00	0.00	4.00	0.00	0.00	58.00	0.00
Hamel	0.00	0.00	0.00	0.00	6.00	0.00	0.00	144.00	0.00
Hartford	78.13	0.00	0.00	0.00	12.00	70.00	0.00	177.00	0.00
Highland	1,734.06	350.00	0.00	0.00	44.00	70.00	0.00	719.00	0.00





**THOMAS McRAE  
MADISON COUNTY CLERK OF THE CIRCUIT COURT  
EDWARDSVILLE, ILLINOIS**

**Monthly Report - General Account  
Collection from Traffic, Misdemeanor, Ordinance Violation, Conservation Violation, and Felony Cases**

**FOR: July 2024**

	FINE	DUI FINE	DRUG FINE	SUPR VEH	ECITATION	FTA WARRANT	AGY AUTO EXPUNGE	LOC AGY 19	TRANS SAFETY
Jarvis Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leef Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Marine Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moro Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nameeki Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
New Douglas Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Olive Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Omphghent Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pin Oak Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saline Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
St. Jacob Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Venice Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wood River Township	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.00	0.00



**THOMAS McRAE  
MADISON COUNTY CLERK OF THE CIRCUIT COURT  
EDWARDSVILLE, ILLINOIS**

**Monthly Report - General Account  
Collection from Traffic, Misdemeanor, Ordinance Violation, Conservation Violation, and Felony Cases**

**FOR: July 2024**

	FINE	DUI FINE	DRUG FINE	SUPR VEH	ECITATION	FTA WARRANT	AGY AUTO EXPUNGE	LOC AGY 19	TRANS SAFETY
CSX Railroad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City of Madison O.W.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M.E.A.T.T.F.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Southern Illinois College	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTALS:</b>	<b>48,051.30</b>	<b>9,097.54</b>	<b>50.00</b>	<b>40.00</b>	<b>979.24</b>	<b>2,310.00</b>	<b>0.00</b>	<b>13,624.61</b>	<b>0.00</b>

Thomas McRae  
Clerk of the Circuit Court

BY: \_\_\_\_\_

### Township Solar RFP

Date	Vendor	Gross Bid	Net Bid
6/13/2024	Day & Night Solar	\$86,731.10	\$34,355.10
6/13/2024	LVG Electrical	\$111,002	\$30,412
6/13/2024	Midwest Solar Solutions	\$87,840	\$29,312
	Accepted via email before deadline		



1605 Eastport Plaza Drive, Suite 135  
 Collinsville, Illinois 62234  
 O] 618.344.4001 f] 618.344.4085  
 www.dayandnightsolar.com

## PROPOSAL

Date: 06/12/2024  
 Project #: 2023-1590

**Edwardsville Township ("Customer")**  
 Edwardsville Township ("Project")  
 300 West Park Street  
 Edwardsville, Illinois 62025

This proposal is provided for official quotation purposes for Edwardsville Township located at 300 West Park Street, Edwardsville, Illinois 62025 to include shipping costs to customer designation and taxes applicable to the project city and state. All orders are insured for 100% of the value of the order to the job site address (at no additional cost to the Customer).

This proposal includes the necessary items below on the above referenced project for the sum of eighty six thousand seven hundred thirty one dollars and ten cents (\$86,731.10), U.S. only.

### Proposal Inclusion

This proposal includes both materials and installation of items listed below to provide a(n) 20.00 kW system. See attached System's Overview (may differ slightly due to software rounding):

#### 1. Equipment

Items	Product	Qty
Panels	405-watt panels; 72 cell	75
Inverters	Fronius Primo 8.2-1	3
Rapid Shut Down	APSystems Rapid Shut Down Device	38
Monitoring	Web-based Monitoring	1
Mounting Hardware	Flush Mounting Hardware (includes bolts, nuts, and clamps)	1
Engineering	Provided by Third Party	1
Utility	Interconnection and SREC applications and documents	1

2. Web monitoring system installed to customer provided internet connection within 10 ft. of inverters (web monitor next to inverters).

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 PROPOSAL VALID FOR 30 DAYS FROM ISSUE DATE  
 THANK YOU FOR YOUR BUSINESS!

3. All conduits, wire and their associated supports, terminations, and testing (proposal is based on an EMT, IMC or FMC Conduit installation).
4. Grounding.
5. Shipping.
6. Electrical Permits (other permits and inspections may be at an additional cost if required).
7. Trash and spoils removal.
8. All work per applicable codes and the authority having jurisdiction.
9. Proposal based on 2020 NEC code requirements.
10. All Interconnection applications and documents.
11. All lien waivers are provided to the customer at the time of final payment (by request).

**Exclusions**

Costs quoted exclude the following items:

1. Overtime.
2. Bond (available upon request at additional cost).
3. Structural warranties of any kind for the building.
4. Fire alarms.
5. Temporary power.
6. Toilet or break room facilities (proposal is based on utilizing Owner's facilities).
7. Project financing.
8. Any upgrades, material, labor, switch gear or transformers for existing equipment if modification is needed.
9. Any balancing of existing loads.
10. Removal of landscaping shrubs or trees if required.
11. Internet connection for web monitoring.
12. Disconnects and required signage per local code.

**Clarifications**

Clarifications, listed below, will be addressed with Customer if required by the specific project.

1. Lay down area provided for site storage trailer and materials.

**Payment Schedule**

25% of the total purchase price is due when Customer decides to move forward with the solar system installation. 50% is due when engineering is approved. Balance of purchase price due upon approval of inspection with authority having jurisdiction.

Initial \_\_\_\_\_

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PROPOSAL VALID FOR 30 DAYS FROM ISSUE DATE  
THANK YOU FOR YOUR BUSINESS!



1605 Eastport Plaza Drive, Suite 135  
 Collinsville, Illinois 62234  
 O] 618.344.4001 f] 618.344.4085  
 www.dayandnightsolar.com

## ANTICIPATED COST RECOVERY

Edwardsville Township  
 300 West Park Street, Edwardsville, Illinois 62025  
 20.00 kW (DC) Flush Mount System  
 Project Cost \$86,731.10

YEAR	POWER SAVINGS	FEDERAL TAX CREDIT	AMEREN SMART INVERTER REBATE	ILLINOIS RECS	SREC FEES	TOTAL SAVINGS	CUMULATIVE SAVINGS
1	2,870	26,020	5,000	21,854	-3,368	52,376	52,376
2	2,870			0		2,870	55,246
3	2,870			0		2,870	58,116
4	2,870			0		2,870	60,986
5	2,870			0		2,870	63,856
6	2,870			0		2,870	66,726
7	2,870			0		2,870	69,596
	20,090	26,020	5,000	21,854	-3,368	69,596	

### DETAILS:

#### POWER SAVINGS

Power savings is calculated based on 23,752kWh/annually at ~12 cents, as a power cost savings of \$2,870 over the first seven (7) years.

#### FEDERAL TAX CREDIT

Federal Tax Credit is calculated based on 30% of the total project cost of \$86,731.1 for a total savings of \$26,020, if all conditions are met.

#### AMEREN SMART INVERTER REBATE

Ameren IL Smart Inverter Rebate was approved November 1, 2018 (Rider PGR 220 ILCS 5/16-10.6) and is currently \$250 per DC watt.

Ameren IL Smart Inverter Rebate is calculated based on \$250 per watt(DC) for a total estimated savings of \$5,000.

#### ILLINOIS RECS

The number of SRECs are calculated based on 22.93 SRECs per year; estimated at \$63.53 each for 15 years, totaling approximately 344 RECs.

These calculations are based on the following formula: (20kW AC\*0.001) x capacity factor (13.08%) x 8760 x 15 years.

The ABP Application Fee of \$10.00 per kW(AC) is estimated at \$200.

The ABP Refundable Bond of ~5.0% is calculated from the total SREC value; estimated at \$1,094 (Refundable at contract end).

The SRECs Broker Fee is calculated on a sliding scale and is ~9.5% of the total SREC value; estimated at \$2,076.

SRECs for systems less than 25kW (AC) are paid in the first year; systems over 25kW (AC) are paid over a (7) year period.

SREC application fees, bonds or deposits, and brokerage fees are not included within the proposed project cost.

#### INTERCONNECTION AND NET METERING

Net metering maximum size: 5MW

Interconnection maximum size: no limit specified

*The pricing, savings, and incentives noted above are based on interconnection approval and project start by or before 30 days.*

*Day & Night Solar makes no representation, warranty, or guaranty as to the availability or amount of such incentives. Always consult your tax professional as to how this applies to your project.*

ACCEPTANCE OF PROPOSAL/QUOTE INDICATES A PRELIMINARY INTENT TO PURCHASE AND SECURES PRICING AS QUOTED FOR THIRTY (30) DAYS WITH DELIVERY SCHEDULE, ORDER SPECIFICATIONS, AND CUSTOMER REQUIREMENTS TO BE CONFIRMED SUBSEQUENTLY THROUGH MUTUALLY APPROVED INSTALLATION SCHEDULE.

**Sales Tax**

SALES TAX IS NOT INCLUDED.

IN THE CASE THAT TAX IS INCLUDED ON THIS DOCUMENT, IT IS THE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE A CERTIFICATE OF RESALE OR SALES TAX EXEMPTION LETTER TO THE SELLER AT THE TIME OF PURCHASE. IF DOCUMENT IS PROVIDED, DAY & NIGHT SOLAR (DNS) WILL REMOVE SALES TAX AT THE APPLICABLE RATE FROM THIS QUOTE AND IF NECESSARY, CUSTOMER AGREES TO PAY DNS THE RECOMPUTED AMOUNT.

**Shipping**

SHIPPING IS INCLUDED TO ADDRESS NOTED ABOVE. PLEASE CALL FOR MORE DETAILED SHIPPING INFORMATION. A TENTATIVE SHIP DATE WILL BE SENT OUT AFTER THE ORDER IS PROCESSED.

**RIGHT TO CANCEL:** UNDER THE TERMS AND CONDITIONS, PURCHASER HAS LIMITED RIGHTS OF CANCELLATION.

PURCHASER PROMISES TO PAY THE TOTAL INITIAL AMOUNT DUE WITH THIS PURCHASE ORDER AND TO PAY THE REMAINING CHARGES AGREED TO HEREIN, PLUS ALL APPLICABLE TAXES, LATE PAYMENT CHARGES, AND COLLECTION FEES AS BILLED BY SUPPLIER, UNTIL PAID IN FULL, AS PROVIDED IN THE ATTACHED TERMS AND CONDITIONS. ALL PURCHASE ORDERS SUBJECT TO CREDIT APPROVAL AND SUPPLIER RESERVES THE RIGHT TO REJECT ANY PURCHASE ORDER IN ITS SOLE DISCRETION.

CUSTOMER HEREBY REPRESENTS AND WARRANTS THAT IT HAS READ, REVIEWED, AND APPROVED ALL OF THE ATTACHED TERMS AND CONDITIONS.

Signed and agreed on \_\_\_\_ day of \_\_\_\_\_, 2024 :

\_\_\_\_\_  
(Signature)

Adam Colvin  
\_\_\_\_\_  
Edwardsville Township

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PROPOSAL VALID FOR 30 DAYS FROM ISSUE DATE  
THANK YOU FOR YOUR BUSINESS!

## CLARIFICATIONS ADDENDUM

### 1. Site or System's Overview

Any power production presented on DNS documents is based on 30 years of historical weather data for your zip code and built into the solar design software used to model the system. This production may vary +/- 10% per year due to weather-driven patterns (National Renewable Energy Laboratory (NREL), 2014).

### 2. Internet Connections

A web monitoring system can be linked to the customer's internet connection if the customer provides the hardware within 10 ft. of installed inverters (web monitor next to inverters). If the client does not provide the connection or it is not available at the time of install, an additional fee will have to be charged for time, labor, and products.

### 3. Cell Card-Based Monitoring

If your project includes a cell card-based communication kit for your monitoring, DNS will include the standard first service period as required by service provider. All renewals will be the customer's responsibility. You can contact DNS Service Department for required contact information or contact support on your monitoring page.

### 4. Obstructions (i.e., trees)

DNS designs solar arrays to provide maximum performance with minimal obstruction. In addition to regular maintenance, the client is responsible for insuring there are no obstructions between the solar array and sun rotation path. DNS will not be responsible for loss of production or incentives due to obstructions growing or being built that will shade the solar array.

### 5. Canopies

- a) All columns are galvanized or constructed of galvalume materials unless otherwise stated.
- b) Gutters and Snow guards are not included unless otherwise specially included.
- c) Canopies do not provide water management or protection.

### 6. Roof Top Mounts

DNS does not provide engineering on roof mounts until proposal is signed and deposit is received. All quotes are based on 5.5 lbs. per square foot and subject to change upon engineering.

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PROPOSAL VALID FOR 30 DAYS FROM ISSUE DATE  
THANK YOU FOR YOUR BUSINESS!

Revised December 2019

Price, specifications, and these terms are subject to change without notice. All products and product parts come with original warranty.

Customer pays return shipping on all products and parts. DNS reserves the right to refuse any proposal.

DNS accepts the following Payment Methods: NO C.O.D. ORDERS:

1. Prepaid Company Check, Personal Check, Cashier's Check or Money Order (Note: All checks must clear. Allow 7 to 10 business days.)
2. Bank Wire Transfer to the following Instructions  
St. Louis Bank  
14323 S. Outer Forty Road  
Town & Country, MO 63017  
Contact for Routing Information

#### DNS Purchase Agreement

By signing a DNS proposal/quote, you ("Customer") agree that the following terms and conditions are the terms and conditions governing the sales transaction between Customer and DNS. Any attempt to alter, supplement, modify or amend these terms and conditions by the Customer will be considered a material alteration of this agreement and, therefore, are null and void. In addition, these terms and conditions are subject to change by DNS at any time, without prior written notice. Therefore, please check these terms and conditions carefully each time you place an order with or accept delivery of any products from DNS.

#### Product Specification

If any products specified in a proposal/quote are not available when Customer's order is placed, DNS will substitute a product (equal to or better than) the product(s) specified at that time.

#### Payment Terms on Orders

The attached proposal/quote is not binding on either party until the first payment is made by Customer and accepted by DNS. Acceptance of an order is evidenced by DNS depositing the initial Customer payment as required by the payment schedule identified within the proposal/quote. DNS must receive payment before it will accept an order unless otherwise previously agreed in writing.

DNS will email or fax invoices to Customer according to the payment schedule above. All invoices are due when emailed or faxed to Customer and interest will begin to accrue fifteen (15) days after the invoice is emailed or faxed to Customer. Customer agrees to pay the amount due as specified on the invoice and agrees to pay interest on all past due amounts at a rate of 1.5% per month or the highest rate allowed by law. Customer agrees to reimburse DNS for any costs it may incur to collect any invoices overdue more than forty-five (45) days.

#### Shipping Charges/State Taxes

Your total cost for purchase of any product will include applicable sales and use tax and shipping and handling charges.

#### Processing Time

You can expect your order to be processed within five (5) to seven (7) business days. DNS aims to ship your order within thirty (30) days of order placement unless otherwise communicated.

If you need an item by a certain date, please check with DNS regarding availability of the item and shipping options. Any items that are unavailable will be placed on back order, and the remainder of your order will be shipped.

Estimated ship dates will be provided however please note that these dates are "estimates" and not guaranteed to arrive on that date. DNS will do everything possible to keep you informed of your order via email.

#### Change Orders

Change orders are allowed, but only if in writing and signed by both parties. Customer agrees to pay for any additional costs DNS may incur as a result of any change order. Additional costs will be included in the signed change order.

#### Shipping Policy

DNS vendors carefully inspect all shipments. Installer must inspect their shipments upon delivery prior to signing the release. Installer that will not be signing for their order when it is delivered are responsible to see that the person signing has read and understands these Terms and Conditions. An independent shipping contractor will deliver the order. When the shipment arrives, the driver will ask you to sign for the delivery.

This is a legal document stating that the package is being delivered in good condition without damage and that the Installer is waiving any additional claim from the shipper. Before signing, inspect the package(s) closely on all six (6) sides.

Note any box damage including scuffs, dents, tears, punctures or creases on the delivery receipt. If there is anything unusual with the package, the Installer/Dealer has the right to open it to inspect the contents. If the driver is unwilling to wait while you inspect all of the items, you may mark on the delivery receipt "Concealed Damage Possible". If there is damage to the shipment, contact DNS immediately. DNS must be notified of any damage on any shipment within seven (7) days of receipt. DNS cannot guarantee replacement at no cost to the recipient when notified of damage after seven (7) days of receipt.

The U.S. Government has authorized broad tariff increases on imported goods and raw materials. Your DNS proposal/quote will not include any costs associated with these tariffs beyond the date of this proposal.

#### Cancellation Policy

If Customer wishes to terminate their proposal/quote, they must provide that request in writing to DNS. If DNS agrees in writing to the termination request, Customer agrees to pay DNS for any and all costs it may incur or has incurred for the solar installation project. Cost can include but are not limited to permits, engineering, soil testing, freight, deposits for material fabrication, product that cannot be returned, and restocking charges for returned product. Customer agrees to pay DNS 10% of the total proposal amount as termination charges. Customer agrees that DNS can deduct its costs and termination charges from any payments received from Customer. Customer agrees to pay DNS for any costs or termination charges exceeding the total payments made prior to the termination. Customer agrees to pay DNS for any costs DNS incurs to collect the additional amount owed by Customer. DNS will then make its best, good faith effort to cancel the order.

However, if the order cannot be cancelled, then customer is responsible for acceptance of the order and full payment. Other than this cancellation provision, customer has no right to cancel an order. If DNS does not agree to the termination request, Customer is responsible for acceptance of the proposal and full payment.

DNS recognizes and abides by the Right of Rescission within the Project's state.

#### **Return Policy**

Products purchased through DNS may not be returned unless they have been approved for warranty repair. Please refer to the warranty document for the appropriate procedure.

#### **Title & Risk of Loss**

DNS will arrange for shipment of ordered product(s) to the Customer. Freight on Board (F.O.B.) shipping point, meaning title to the product(s) and risk of loss passes to the Customer upon delivery to the carrier. DNS reserves a purchase money security interest in the product(s) until its receipt of the full amount due. Customer agrees to allow DNS to sign appropriate documents on Customer behalf to permit DNS to protect its purchase money security interest.

DNS will advise Customer of estimated shipping dates, but DNS will, under no circumstances, be responsible for delays in delivery, and associated damages, due to events beyond its reasonable control, including without limitation, acts of God or public enemy, acts of federal, state or local government, fire, floods, civil disobedience, strikes, lockouts, and freight embargoes.

#### **Governing Law and Jurisdiction**

Any dispute arising out of or related to these Terms and Conditions or the sales transaction between DNS and Customer shall be governed by the laws of the State of Illinois, without regard to its conflicts of law rules. Specifically, the United Nations Convention on the International Sale of Goods shall not govern the validity, interpretation, and performance of this agreement. DNS consent to the exclusive jurisdiction and the venue of the State Courts of the State of Illinois, Madison County, to resolve any dispute between them related hereto, and the parties waive all rights to contest this exclusive jurisdiction and venue of such Courts.

Finally, the Customer also agrees not to bring any legal action, based upon any legal theory including contract, tort, equity, or otherwise, against DNS that is more than one year after the date of the applicable invoice.

#### **Rock Excavation**

Should DNS encounter rock requiring special rock excavation equipment (jack hammer or special trenching equipment), the Customer will be notified, and additional cost could be incurred. A change order with the additional costs will need to be presented to the Customer for signature before moving forward.

#### **Severability**

If any provision contained in this agreement is or becomes invalid, illegal, or unenforceable in whole or in part, such invalidity, illegality, or unenforceability shall not affect the remaining provisions and portions of this agreement, and the invalid, illegal, or unenforceable

provision shall be deemed modified so as to have the most similar result that is valid and enforceable under applicable Illinois law.

#### **Waiver**

The failure of either party to require performance by the other party of any provision of this agreement shall not affect in any way the first party's right to require such performance at any time thereafter.

Any waiver by either party of a breach of any provision in this agreement shall not be taken or held by the other party to be a continuing waiver of that provision unless such waiver is made in writing.

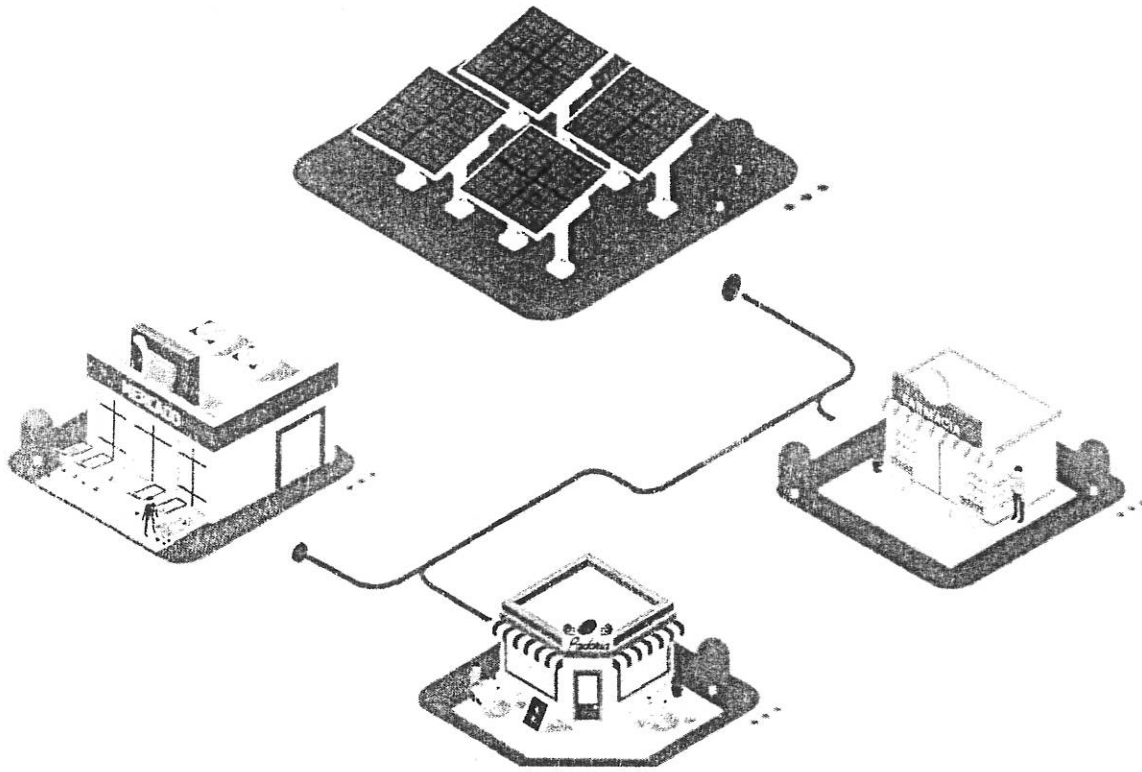
#### **Entire Agreement**

These terms and conditions, together with respecting the products ordered by Customer, are the complete and exclusive agreements between DNS and Customer, and they supersede all prior or contemporaneous proposals, oral or written, understandings, representations, conditions, warranties, and all other communications between DNS and Customer to the subject products. This agreement may not be explained or supplemented by any prior course of dealings or trade by custom or usage.

**LIMITATION OF LIABILITY: IN ALL CIRCUMSTANCES DNS'S MAXIMUM LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS SOLD. DNS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE UPON A CLAIM OR ACTION IN CONTRACT, TORT, INDEMNITY OR CONTRIBUTION, OR OTHER CLAIMS RELATING TO THE PRODUCTS IT SELLS WHICH EXCEEDS THIS LIABILITY LIMIT. DNS SHALL NOT BE LIABLE FOR THIRD PARTY CLAIMS FOR DAMAGES AGAINST THE INSTALLER, OR FOR MALFUNCTION, DELAYS, INTERRUPTION OF SERVICE, LOSS OF BUSINESS, LOSS OR DAMAGE TO EXEMPLARY DAMAGES, WHETHER OR NOT DNS IS APPRISED OF THE POSSIBILITY OF SUCH CLAIMS OR DAMAGES.**



Electrical & Communications



## Township Hall Array

Edwardsville Township

300 W Park St  
Edwardsville IL 62025

(618) 656-0292  
acolvin@edwardsilletownship.com

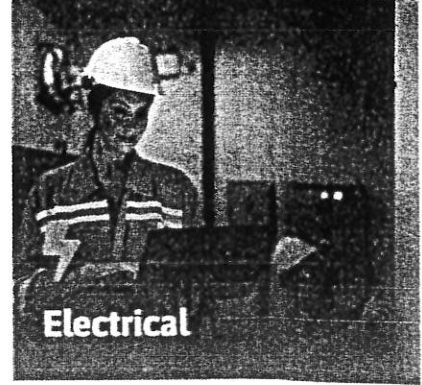
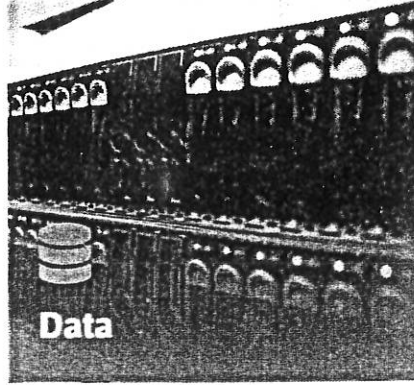
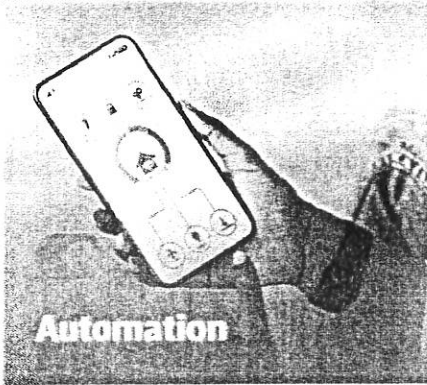
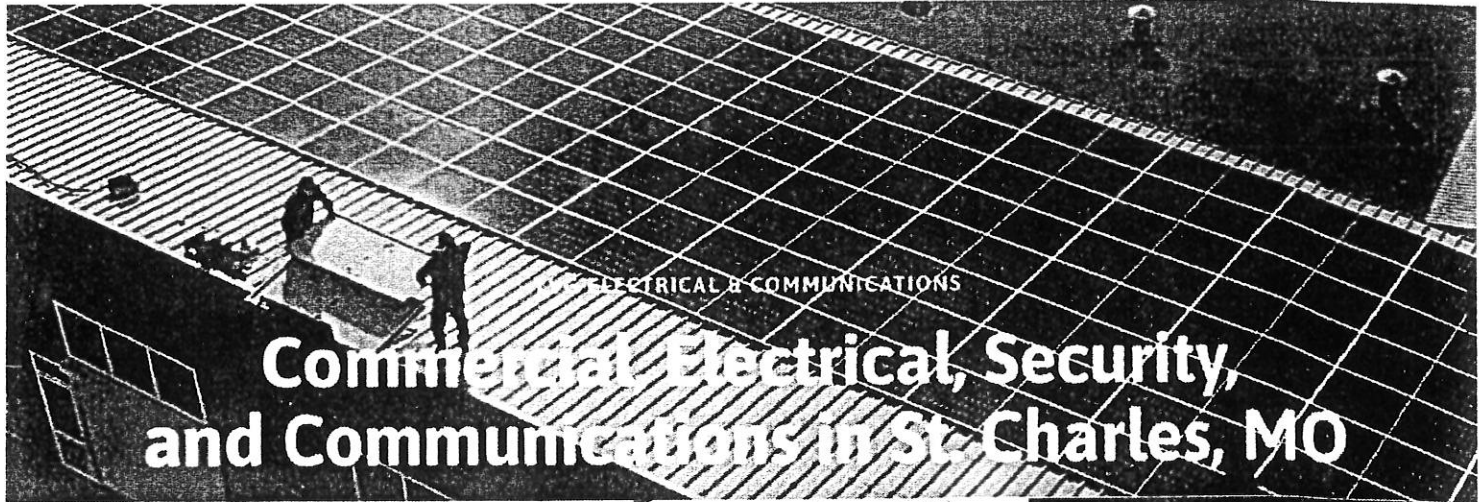
SREC # 2170  
DG # 22-0775  
RET # MM 2517  
LOT # 14602

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# 1 ABOUT US



## OUR HISTORY

*LVG Electrical & Communications provides exceptional automation, data, electrical, energy, and security services to businesses in the greater St. Charles, MO area. With a strong commitment to customer satisfaction and a deep understanding of industry challenges, our team is dedicated to delivering quality solutions tailored to your specific needs.*

## OUR MISSION

Our team of dedicated professionals is committed to solving the biggest problems in our industry through collaboration and hard work. With over 10,400 kilowatts (KW) installed, we have the expertise and experience to tackle even the most complex projects.



# 2 PROJECT SUMMARY

Payment Options	Cash Purchase
IRR - Term	8.2%
LCOE PV Generation	\$0.028 /kWh
Net Present Value	\$25,631
Payback Period	8.9 Years
Total Payments	\$111,002
Total Incentives	\$80,591
Net Payments	\$30,412
Electric Bill Savings - Term	\$138,402
Upfront Payment	\$111,002

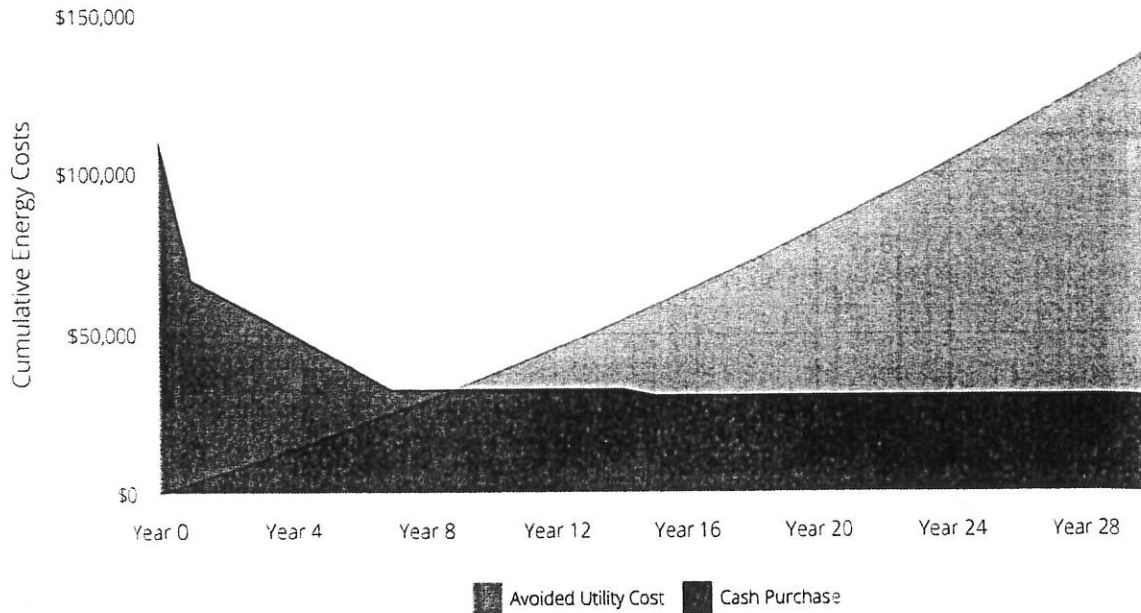
### COMBINED SOLAR PV RATING

Power Rating: 29,160 W-DC  
 Power Rating: 25,400 W-AC-CEC

### COMBINED ESS RATINGS

Energy Capacity: 0.0 kWh  
 Power Rating: 0.0 kW

CUMULATIVE ENERGY COSTS BY PAYMENT OPTION



### 3.1.1 PV SYSTEM DETAILS

#### GENERAL INFORMATION

Facility: Meter #1  
 Address: 300 W Park St Edwardsville IL 62025

#### SOLAR PV SYSTEM RATING

Power Rating: 29,160 W-DC  
 Power Rating: 25,400 W-AC-CEC

#### SOLAR PV EQUIPMENT DESCRIPTION

Solar Panels: (54) SEG SEG-540-BMA-TB  
 Inverters: (3) Tigo Energy TSI-11.4K-US

#### ENERGY CONSUMPTION MIX

Annual Energy Use: 24,000 kWh

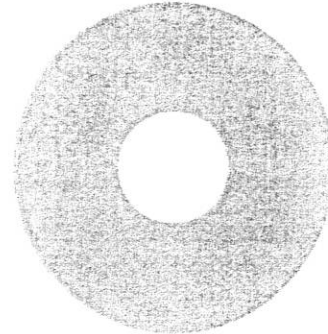
#### SOLAR PV EQUIPMENT TYPICAL LIFESPAN

Solar Panels: Greater than 30 Years  
 Inverters: 15 Years

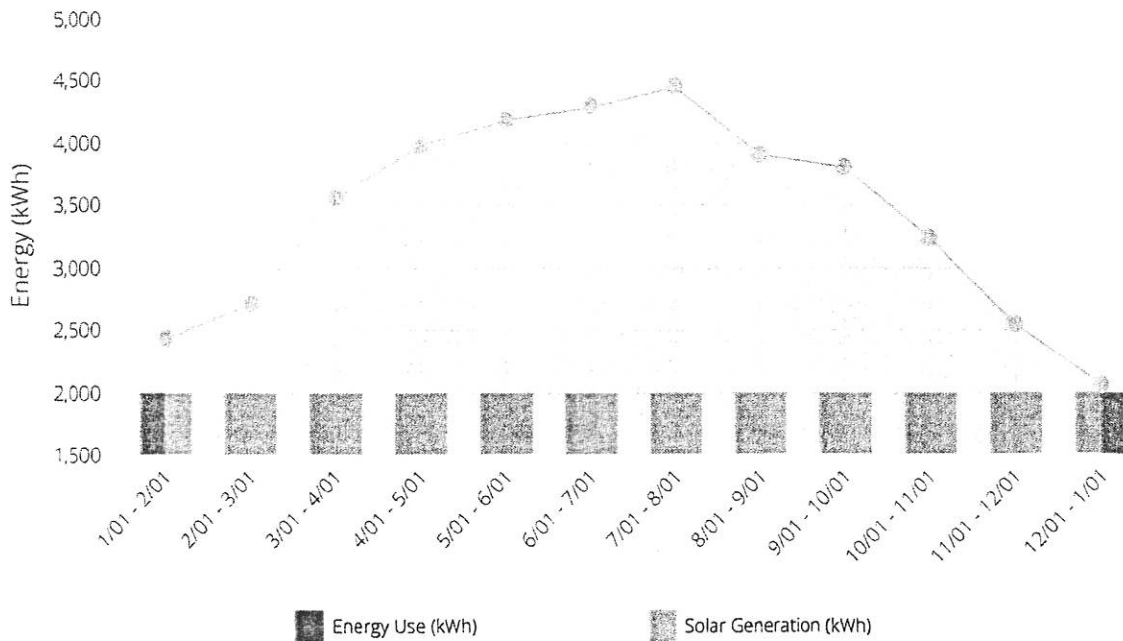
#### Solar PV System Cost and Incentives

Solar PV System Cost	\$111,002
Direct pay - 30% ITC	-\$33,301
SMART Inverter Rebate	-\$8,748
Illinois ABP Incentive	-\$38,542

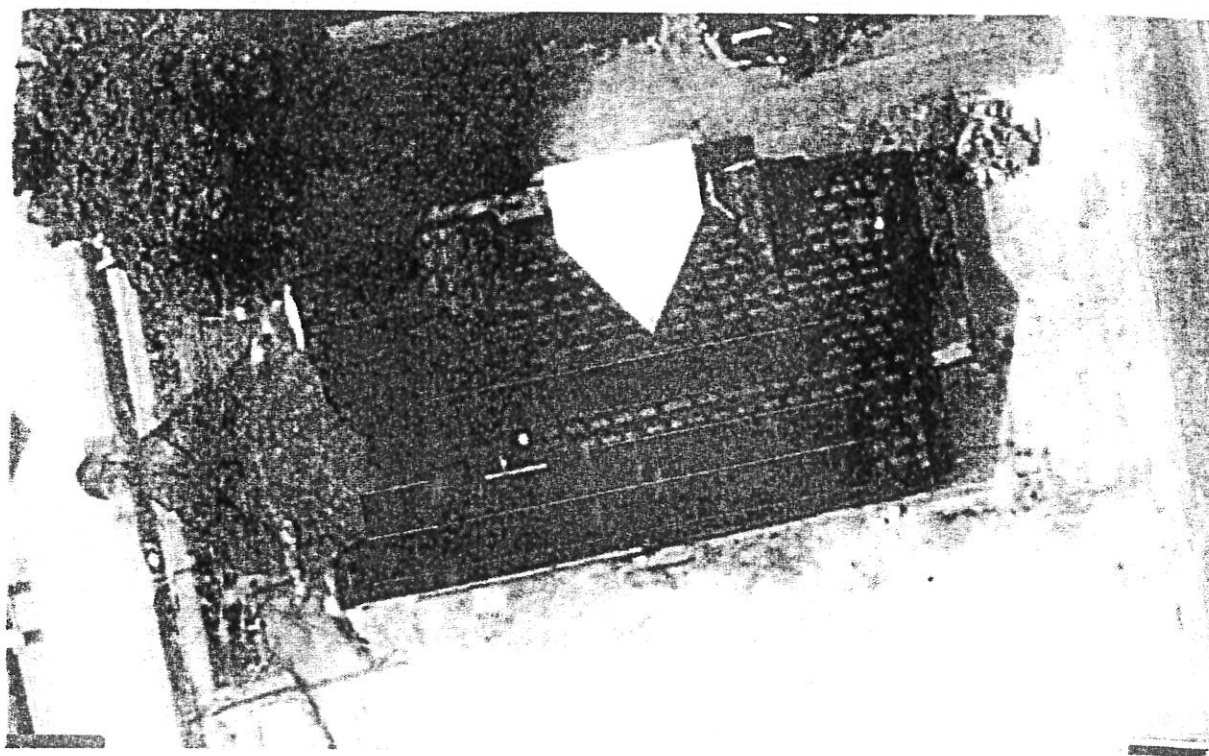
**Net Solar PV System Cost \$30,412**



MONTHLY ENERGY USE VS SOLAR GENERATION



# 4 PV DESIGN LAYOUT



## 4.1 REBATES & INCENTIVES

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.

### Direct Pay, Investment Tax Credit (ITC) - 30%

The Inflation Reduction Act (IRA) of 2022 contains a "direct pay" provision that enables certain tax-exempt customers, including state and local government, to receive a direct cash payment in lieu of an investment tax credit (ITC). Entities that qualify for direct pay are eligible to receive a 30% direct payment, assuming they meet the IRA established prevailing wage and apprenticeship requirements in order to qualify for the full 30% "increased rate", rather than a 6% "base rate". The IRA states that direct pay is only available for entities, including: an entity exempt from the tax, any State government (or political subdivision thereof), the Tennessee Valley Authority, an Indian tribal government, an Alaska Native Corporation, any corporation operating on a cooperative basis which is engaged in furnishing electric energy to persons in rural areas. These entities may take direct pay for solar and storage in the ITC and PTC as well as the ITC/PTC when tech neutral starts after 2025.

Total Incentive Value: \$33,301

### Illinois Smart Inverter Rebate - 2023

Rebate Applicable to Participating IL Utilities. Customers receiving service under rate schedules DS-1 (Residential) & DS-2 (Small Commercial) the rebate for inverters used to interconnect generators are \$300/KW-PV DC. For Customer receiving service under rate schedules DS-3, DS-4 and DS-6 (Large Commercial & Industrial) the rebate for inverters used to interconnect generators are \$250/KW-PV DC is available to both customers with existing generation and/or ESS at their home/business and to customers who will be installing that equipment in the future. Applicability For Other Participating Utilities May Not Be Specific to Rate Tariffs. There is a limit of 5mW AC for the rebate application

Total Incentive Value: \$8,748

### Illinois ABP Distributed Generation (DG) - 2023

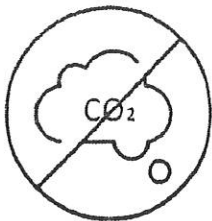
Illinois Shines is the brand name of the Illinois Adjustable Block Program (ABP), a state-administered program for new solar photovoltaic systems. The ABP Distributed Generation (DG) program provides payments in exchange for 15 years of Renewable Energy Credits ("RECs") generated by new PV systems. These payments, made by Illinois utilities, vary depending on the system's size and where it is located. Participating in Illinois Shines is the same thing as participating in the Adjustable Block Program. RECs represent the environmental value of the electricity generated from solar panels, but not the electricity itself. Whoever owns the RECs has the right to say they used that solar power. Utilities must purchase RECs to meet their obligation to supply a certain amount of power from renewable energy.

Total Incentive Value: \$38,542

## 7 ENVIRONMENTAL BENEFITS

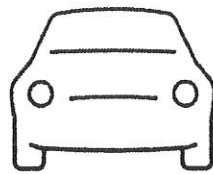


OVER THE NEXT 20 YEARS, YOUR SYSTEM WILL DO MORE THAN JUST SAVE YOU MONEY. ACCORDING TO THE EPA'S GREENHOUSE GAS EQUIVALENCIES CALCULATOR (SOURCE), YOUR SOLAR PV SYSTEM WILL HAVE THE IMPACT OF REDUCING:



645

tons of CO<sub>2</sub> Offset



1,467,185

Miles Driven By Cars



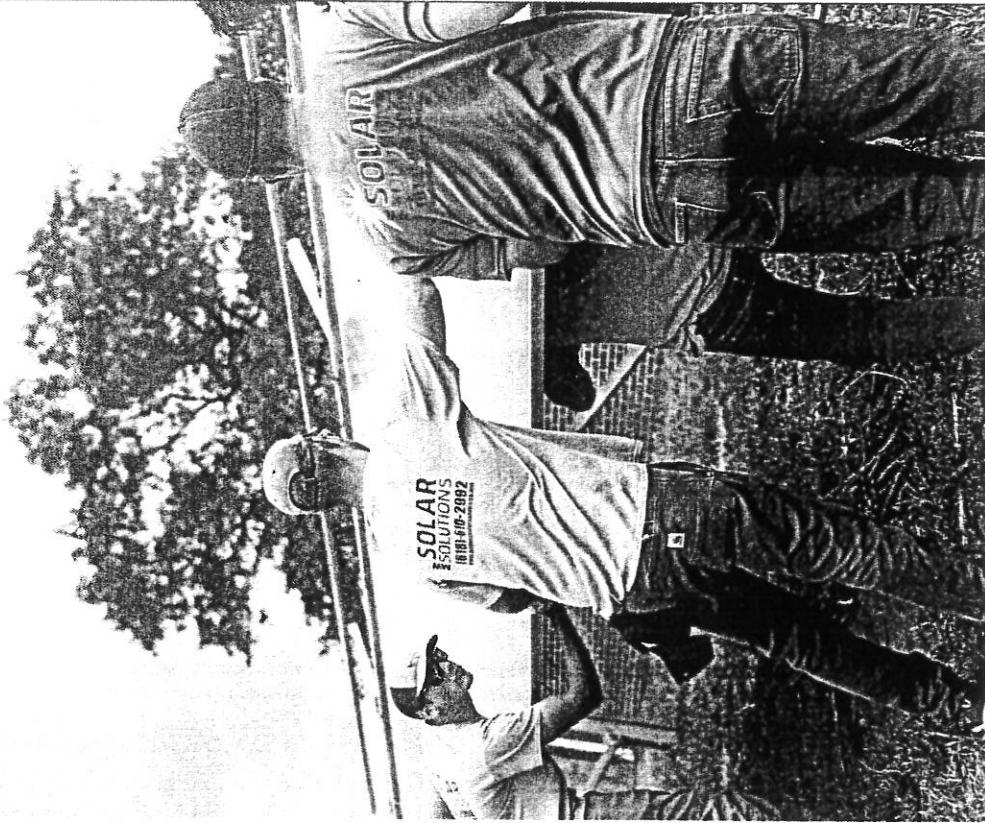
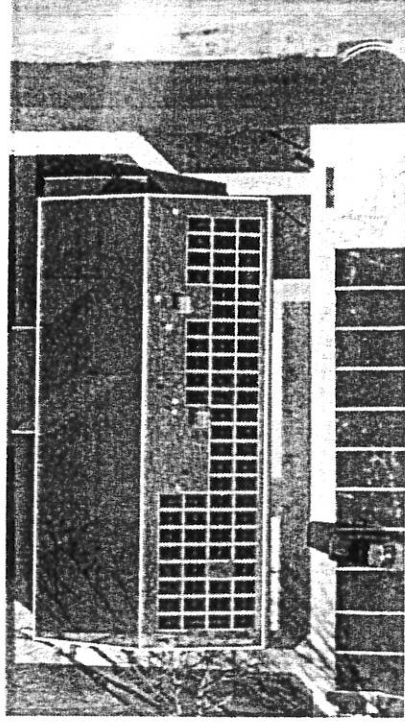
9,679

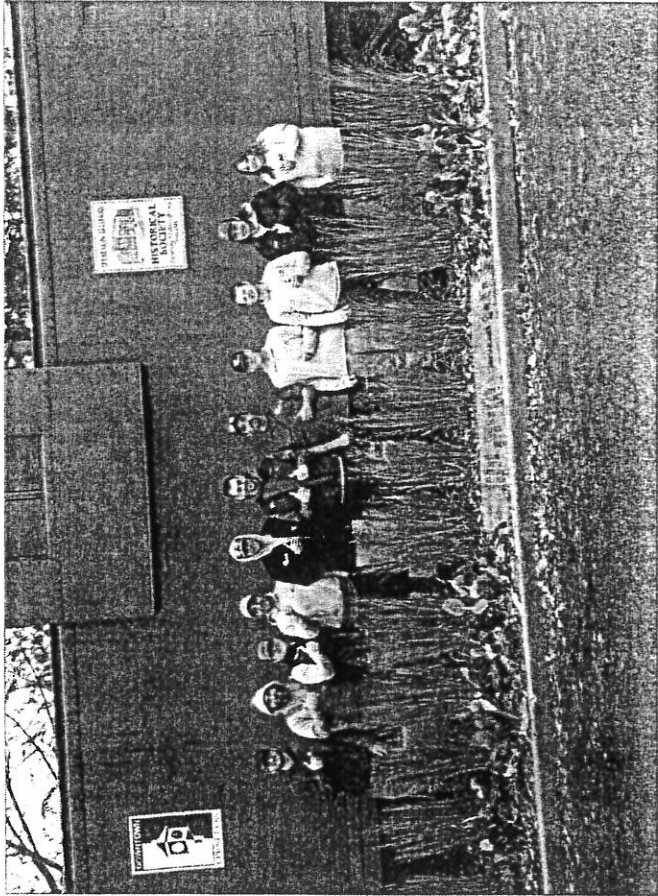
Trees Planted



A custom proposal for: Adam - Calvin  
300 W Park St, Edwardsville, IL 62025, USA

Created by MW Solar Solutions, Cory Johnson  
2301 Country Road, Belleville, IL, USA





## Our Standards

### **\* One - Stop - Shop**

Designs, Sales, Permits, Installations, Inspections, Monitoring, Service, and Incentive filing are all handled in house. We take pride in being your one point of contact throughout your solar journey.

### **\* 15 - Year Guarantee**

No need to worry for 15 years as we come out and correct any issues. We also provide every customer with a 15-year performance guarantee.

### **\* Turn - Key Pricing**

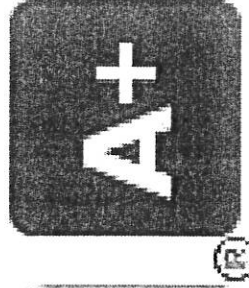
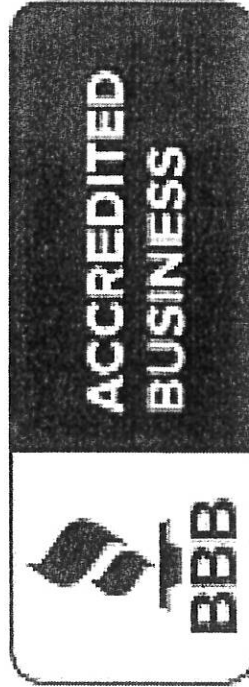
This includes Permits, engineering, utility interconnection fees, State Incentive fees, and State Incentive Collateral. Financed customers don't begin their monthly payments until the system is installed.

### **\* Flexibility**

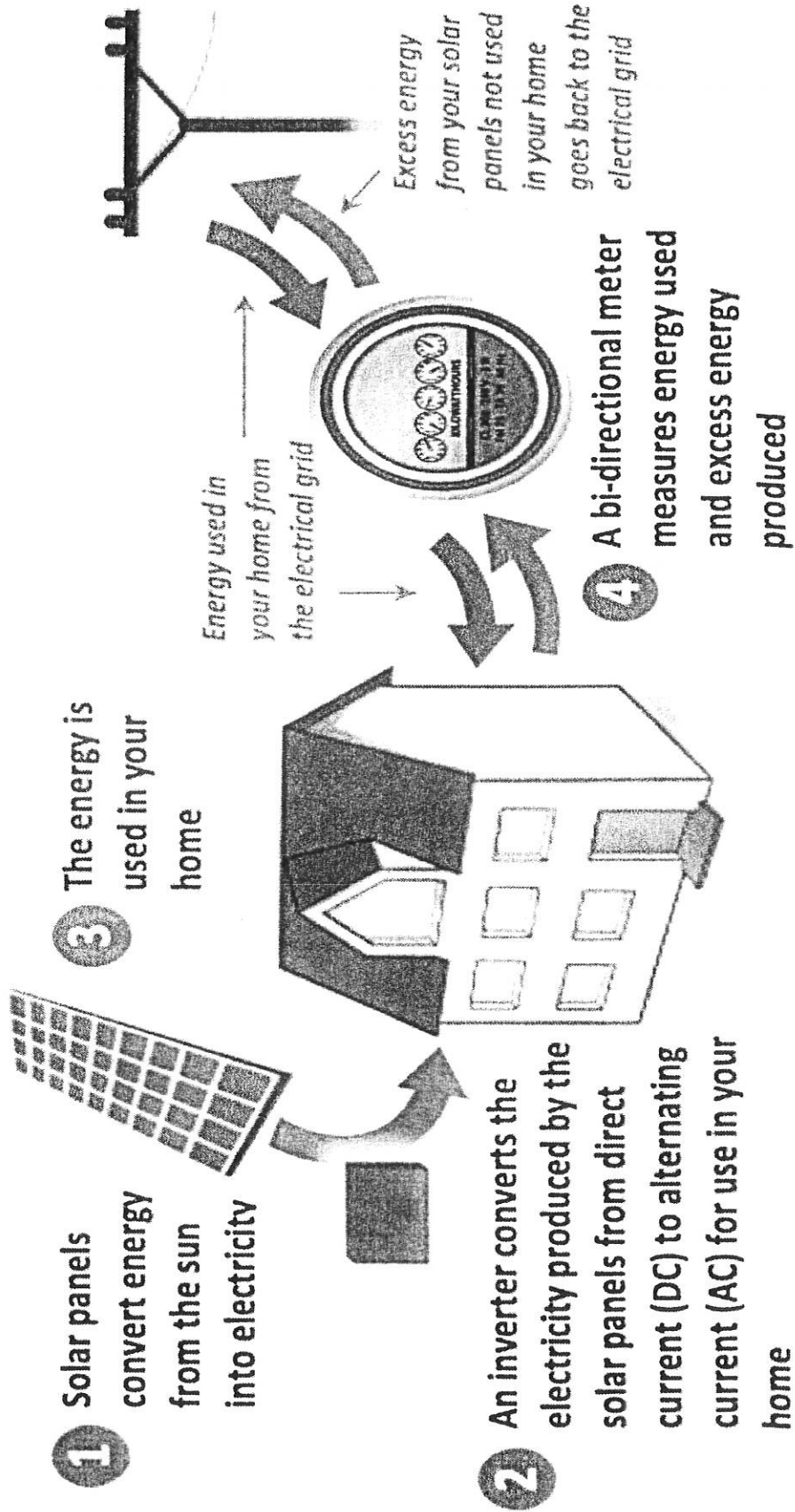
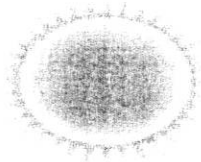
It is YOUR project. We want to design the system how you envision it. We understand how crucial the aesthetics are on your project and encourage discussion over panel placement.

### **\* Non-Pushy Approach**

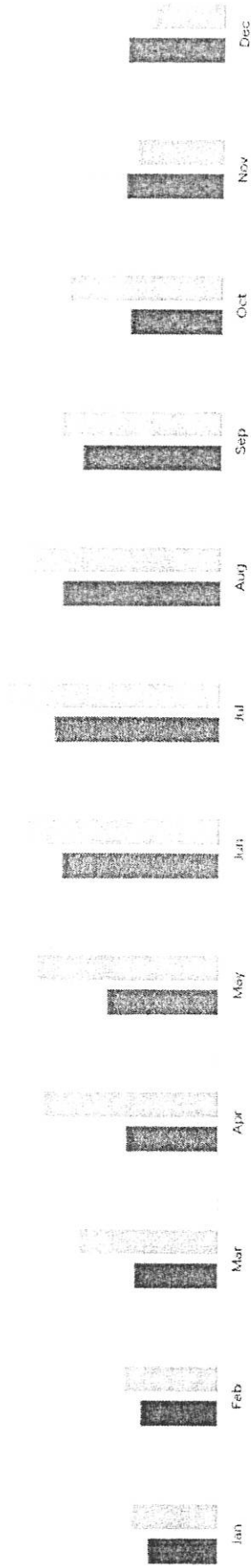
Converting your home to solar energy is a large investment that should not be made quickly. We encourage everyone to do their research on components, utility agreements, and most importantly the team they choose to install and service their system for the next 15-years.



# How Net Metering Works



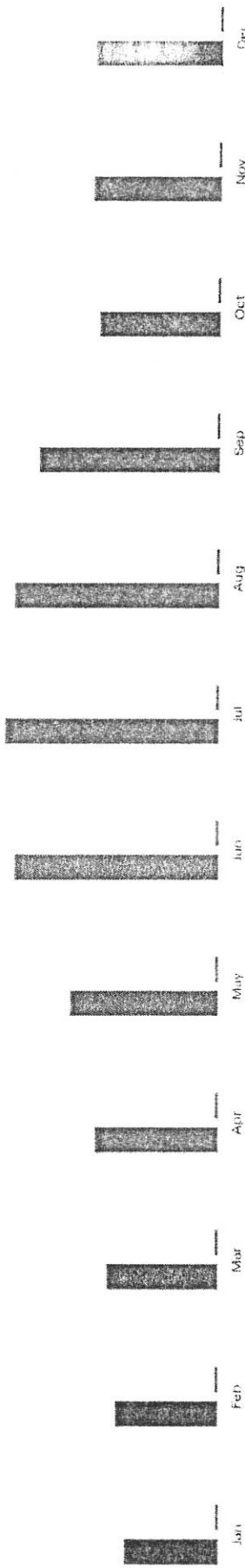
5000 kWh  
 4500 kWh  
 4000 kWh  
 3500 kWh  
 3000 kWh  
 2500 kWh  
 2000 kWh  
 1500 kWh  
 1000 kWh  
 500 kWh  
 0 kWh



■ Consumption ■ Production

**Energy Offset by Solar: 131%**  
**Annual Consumption: 27,806 kWh**  
**Annual Production: 36,388 kWh**  
**Annual Savings: \$5,098.56**

\$700  
 \$650  
 \$600  
 \$500  
 \$400  
 \$300  
 \$200  
 \$100  
 \$0



■ Pre-solar bill ■ Post-solar bill

# FAQs

## **Will I still have power if the utility grid goes down?**

Only if a battery or additional Transfer Switch Component is installed. Without these components installed the power production will shut off at the same time as the grid. This allows utility workers to safely repair damaged utility lines.

## **What all Warranties come with the System?**

- 25-year Panel Warranty.
- 25-year Inverter Warranty on most models. Ask Developer about your specific model.
- 15-year Workmanship Warranty from MW Solar Solutions.
- 15-year Production Guarantee of at least 85% or greater of annual estimated kWh production.

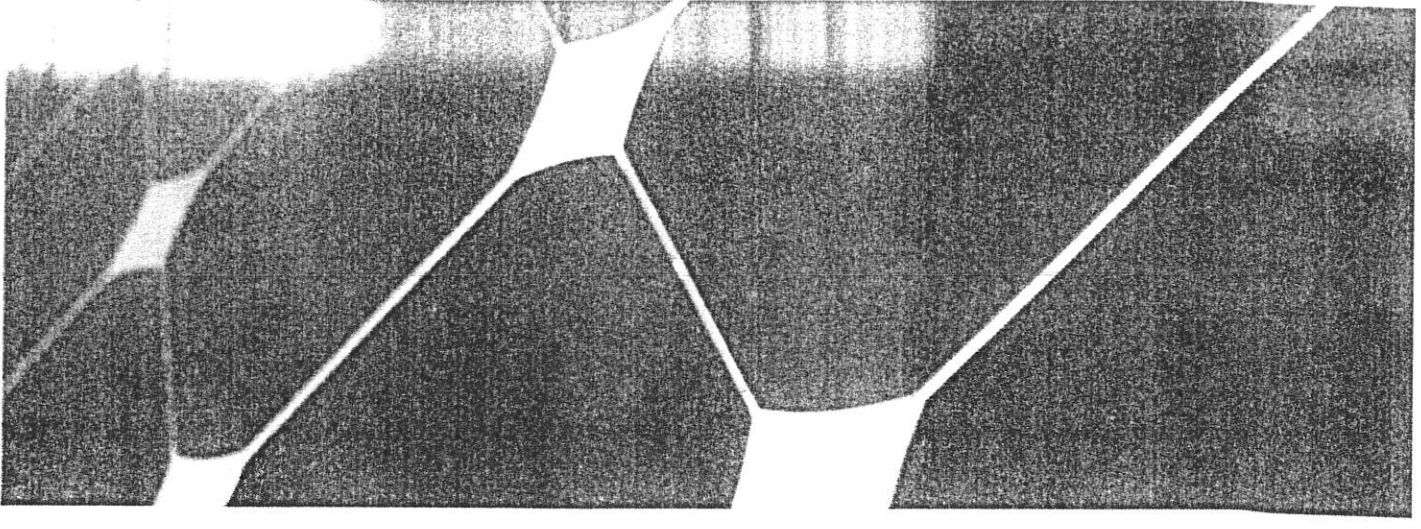
## **What Options do I have for Backup Solutions?**

Specific pricing should be discussed with your developer. Many variables can adjust pricing.

- \$2,500: 6-circuit Manual Transfer Switch (Generator included).
- \$7,500: Sunlight Backup.
- \$14,500: Sunlight Backup & 10kWh's Battery Storage.

## **How Many Installations has MW Solar Solutions Completed? Do you Sub-Contract out any work?**

We have completed over 250 Solar Projects. Most of our installations have been completed in St. Clair and Madison County, IL. We do not use any sub-contractors. We have Licensed Electricians and NABCEP certified Professionals on staff that allow us to pull all appropriate permits for your project.





<b>Component List</b>	
System Size DC	System Size AC
28.8kW	20kW
Module Amount/ Type	Inverter Amount/Type
(72) Phono 400 watt	(2) Fronius Primo 10kW
Electrical Upgrades	Battery Amount / Type
N/A	N/A

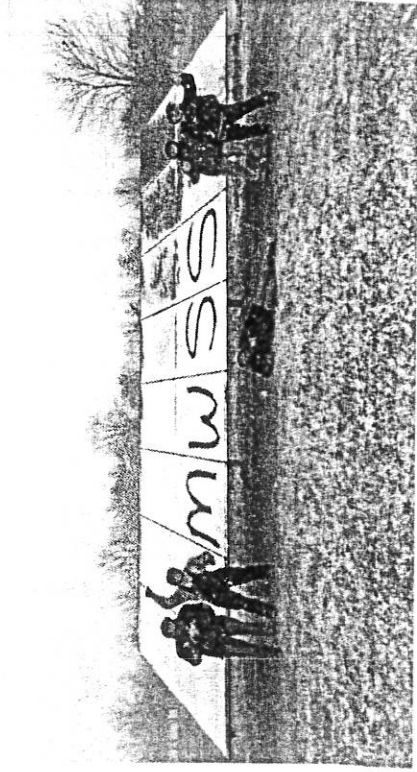
<b>NAME</b>	Kevin Hall
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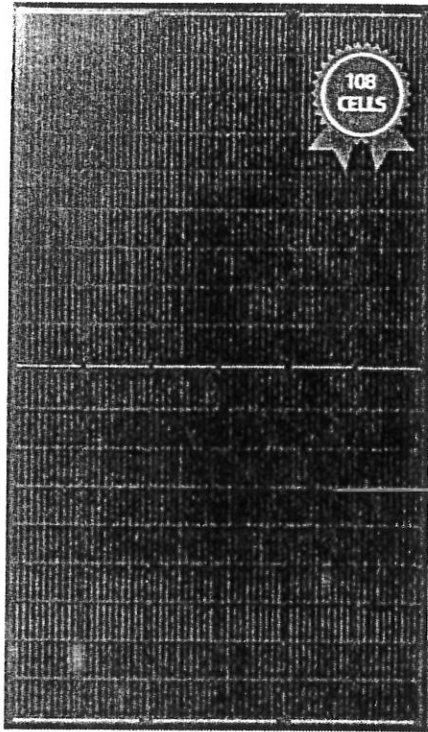
<b>LOAN ESTIMATES</b>	
25 year first 18 months	N/A
After Incentives Applied	N/A

<b>Current Electrical Cost From Utility</b>	
Annual Cost	
Monthly Average	\$0

<b>Cost Breakdown</b>	
Project Cost	\$87,840
Federal Tax Credit	\$26,352
Illinois Shines Incentive	\$32,176
Net System Cost	\$29,312

<b>POST SOLAR</b>	
Annual Savings	
Annual Energy Offset	





# PHONO

# 395-415w

## Twinplus Module Series

HIGH EFFICIENCY MONO-PERC M6-10B-B

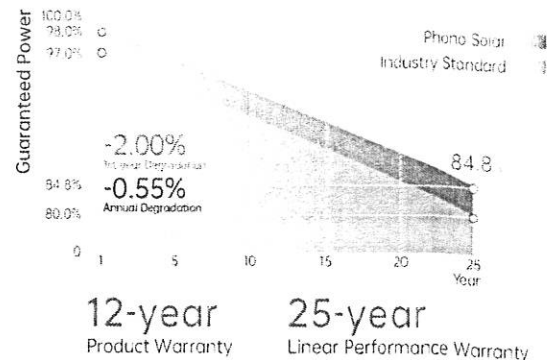
**Bloomberg**  
NEW ENERGY FINANCIAL

**Tier1**



### Outstanding Product Performance

- Comparative high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $45 \pm 2^\circ\text{C}$
- Higher power generation with multi-busbar and half cut technology



### Trustworthy Quality And Reliability

- Guaranteed 0--+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

### PID Resistant

- Industry-leading cell processing technology and electrical design ensure solid PID resistance

### MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730, UL 61730

ISO 9001  
2015 / Quality management system

ISO 14001  
2015 / Standards for environmental management system

ISO 45001  
2018 / International standards for occupational health & safety



## Electrical Typical Values

Model	1000V		PS395M6-18/VHB		PS400M6-18/VHB		PS405M6-18/VHB		PS410M6-18/VHB		PS415M6-18/VHB	
	1000V	1500V	PS395M6H-18/VHB	NOCT	PS400M6H-18/VHB	NOCT	PS405M6H-18/VHB	NOCT	PS410M6H-18/VHB	NOCT	PS415M6H-18/VHB	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpo)	375	294	400	298	405	301	410	305	415	309		
Rated Current (Impp)	12.88	10.41	12.97	10.48	13.06	10.55	13.15	10.63	13.24	10.70		
Rated Voltage (Vmpo)	30.67	28.24	30.85	28.40	31.02	28.55	31.18	28.71	31.35	28.86		
Short Circuit Current (Isc)	13.42	10.84	13.52	10.92	13.62	11.00	13.72	11.09	13.82	11.17		
Open Circuit Voltage (Voc)	36.67	34.62	36.87	34.81	37.05	34.98	37.23	35.15	37.42	35.32		
Module Efficiency (%)	20.23		20.48		20.74		21.00		21.25			

STC (Standard Testing Conditions) Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature) Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM 1.5, Wind at 1m/s

## Mechanical Characteristics

Cell Type	Monocrystalline 182mm x 91mm
Dimension (L x W x H)	Length: 1722mm (67.80 inch)
	Width: 1134mm (44.65 inch)
	Height: 30mm (1.18 inch)
Weight	22.0kg (48.50 lbs)
Glass	3.2mm toughened glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm <sup>2</sup> (IEC), (+): 1100mm, (-): 1100mm or Customized Length
Junction Box	IP 65 Rated
Connector	MC4 original

## Temperature Ratings

Voltage Temperature Coefficient	-0.23%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.35%/°C
Tolerance	0~+5w
NOCT	45±2°C

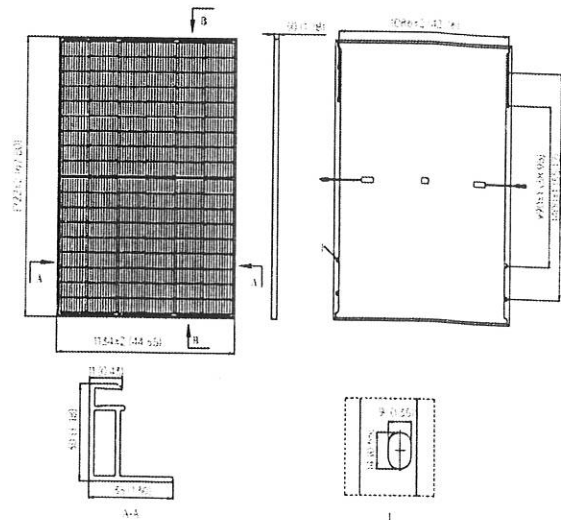
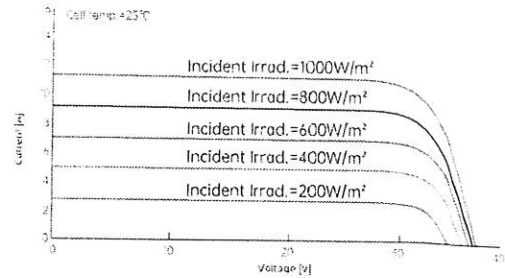
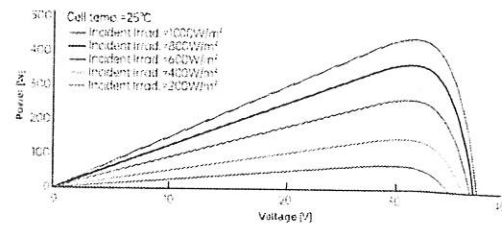
## Absolute Maximum Rating

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	25A
PV Module Classification	II
Module Fire Performance (UL1740)	Type 1
Maximum System Voltage	DC 1000V/1500V

## Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	216	936

## Electrical Characteristics



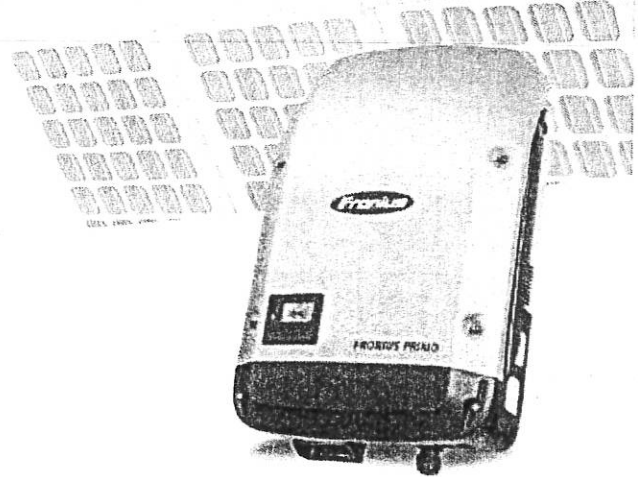
# PHONO

PHONO SOLAR TECHNOLOGY CO., LTD. reserves the right to make necessary adjustments to the information described herein at any time without further notice. The specifications and certificates contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Please be sure to use the most recent version of data.



# FRONIUS PRIMO

Solutions for a brighter tomorrow



PC board replacement contact



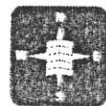
SnapNverter mounting system



Wi-Fi interface



Smart Grid Ready



Design Flexibility

With power categories ranging from 3.8 kW to 15.0 kW, the transformerless Fronius Primo is the ideal compact single phase inverter for residential applications. The sleek design is equipped with the SnapNverter hinge mounting system, which allows for lightweight, secure, and convenient installation. The Fronius Primo has several integrated features that set it apart from competitors including dual power point trackers, high system voltage, a wide input voltage range, Wi-Fi® and SunSpec Modbus interface, as well as Fronius' online and mobile monitoring platform Fronius Solarweb.

## TECHNICAL DATA FRONIUS PRIMO

GENERAL DATA	FRONIUS PRIMO 3.8 - 8.2	FRONIUS PRIMO 10.0-15.0
Dimensions (width x height x depth)	16.9 x 21.7 x 8.1 in.	20.1 x 28.5 x 8.9 in.
Weight	47.29 lbs.	82.5 lbs.
Protection Class		NEMA 1X
Night time consumption		< 1 W
Inverter topology		Transformerless
Cooling		Variable speed fan
Installation		Indoor and outdoor installation
Ambient operating temperature range	-40 - 131°F (-40 - 55°C)	-40 - 140°F (-40 - 60°C)
Permitted humidity		0 - 100 %
Elevation		4,000 m (13,123 ft)
DC connection terminals	4x DC+ and 4x DC- screw terminals for copper (solid / stranded / fine stranded) or aluminum (solid / stranded)	4x DC+1, 2x DC+2 and 6x DC- screw terminals for copper (solid / stranded / fine stranded) or aluminum (solid / stranded)
AC connection terminals		Screw terminals 12 - 6 AWG
Warranty		10 years / extensions up to 15 and 20 years available*
Certificates and compliance with standards	UL 1741-2010 Second Edition (incl. UL1741 Supplement SA 2016-09 for California Rule 21), UL1998 (for functions: AFCI, RCMU and isolation monitoring), IEEE 1547-2003, IEEE 1547.1-2003, ANS/IEEE C62.41, FCC Part 15 A & B, NEC 2017 Article 690, C22.2 No. 107.1-16, UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 - 2013	

PROTECTIVE DEVICES	STANDARD WITH ALL PRIMO MODELS
DC reverse polarity protection	Yes
Anti-Islanding	Internal, in accordance with UL 1741-2016-09, IEEE 1547-2003 and NEC 2017
Over temperature protection	Output power derating/ Active cooling
AFCI	Yes
Rapid shutdown compliant	Yes
Ground Fault Protection with Isolation Monitor	Yes
Interruption	Yes
DC disconnect	Yes

INTERFACES	STANDARD WITH ALL PRIMO MODELS
USB (A socket)	Datalogging and inverter update possible via USB
2x RS422 (RJ45 socket)	Fronius Solar Net, interface protocol
Wi-Fi/Ethernet LAN	Wireless standard 802.11 b/g/n/Fronius Solar web, SunSpec Modbus TCP /SDN
Datalogger and Webserver	Included
Serial RS485	SunSpec Modbus RTU or meter connection
6 inputs or 4 digital inputs/outputs	Load management, signaling, multipurpose I/O

\* The terms Wi-Fi and Solarweb are trademarks of the Wi-Fi Alliance and Fronius. Fronius' Global Warranty conditions, for the USA, full text terms or restrictions may apply in other countries. More information: www.fronius.com/warranty

# TECHNICAL DATA FRONIUS PRIMO

INPUT DATA	PRIMO 3.8-1	PRIMO 5.0-1	PRIMO 6.0-1	PRIMO 7.6-1	PRIMO 8.2-1
Recommended PV power (KWp)	3.0 - 6.0 kW	4.0 - 7.3 kW	4.8 - 9.3 kW	6.1 - 11.7 kW	6.6 - 12.7 kW
Max. usable input current (MPPT 1+MPPT 2)			18 A / 18 A		
Max. usable input current (MPPT 1+MPPT 2)			36 A		
Max. array short circuit current (1.5 * Imax) (MPPT1/MPPT2)			27 A / 27 A		
Nominal input voltage	410 V	420 V	420 V	420 V	420 V
Operating voltage range			80 V - 600 V		
DC startup voltage			80 V		
MPP Voltage Range	200 - 180 V	200 - 160 V	240 - 130 V	250 - 180 V	270 - 180 V
Max. input voltage			600 V (1,000 V optional)		
Admissible conductor size DC	AWG 14 - AWG 6 copper (solid / stranded / fine stranded) (AWG 10 copper or AWG 8 aluminium for overcurrent protective devices up to 60 A, from 61 to 100 A minimum AWG 8 for copper or AWG 6 aluminium has to be used), AWG 6 - AWG 2 copper (solid / stranded) Multi Contact Wiring cable with AWG 12				
Number of MPPT	2				

OUTPUT DATA	PRIMO 3.8-1	PRIMO 5.0-1	PRIMO 6.0-1	PRIMO 7.6-1	PRIMO 8.2-1	
Max. output power	208 V/240 V	3,800 VA/3,800 VA	5,000 VA/5,000 VA	6,000 VA/6,000 VA	7,600 VA/7,600 VA	7,900 VA/8,200 VA
Output configuration				208/240 V		
Frequency range (adjustable)				45.0 - 55.0 Hz / 50 - 66 Hz		
Operating frequency range default for CAL setups				→ 58.5 - 60.5 Hz		
Operating frequency range default for HI setups				→ 57.0 - 63.0 Hz		
Nominal operating frequency				60 Hz		
Admissible conductor size AC				AWG 14 - AWG 6		
Total harmonic distortion				< 5.0 %		
Power factor range				0.85 - 1 ind./cap		
Max. continuous output current	208 V	18.3 A	21.0 A	29.3 A	36.5 A	38.0 A
	240 V	15.3 A	20.8 A	25.0 A	31.7 A	34.2 A
OCPD/AC breaker size	208 V	25 A	30 A	40 A	50 A	50 A
	240 V	20 A	30 A	35 A	40 A	45 A
Max. Efficiency		96.7 %	96.9 %	96.9 %	96.9 %	97.0 %
CEC Efficiency		95.0 %	95.5 %	96.0 %	96.0 %	96.5 %

INPUT DATA	PRIMO 10.0-1	PRIMO 11.4-1	PRIMO 12.5-1	PRIMO 15.0-1
Recommended PV power (KWp)	8.0 - 13.0 kW	9.1 - 13.7 kW	10.0 - 15.0 kW	12.0 - 18.0 kW
Max. usable input current (MPPT 1/MPPT 2)			33.0 / 18.0 A	
Max. usable input current (MPPT 1+MPPT 2)			51 A	
Max. array short circuit current (1.5 * Imax)			49.5 A / 27.0	
Nominal input voltage	655 V	660 V	665 V	680 V
Operating voltage range			80 V - 1,000 V	
DC startup voltage			80 V	
MPP Voltage Range	220 - 800 V	240 - 800 V	260 - 800 V	320 - 800 V
Max. input voltage			1,000 V	
Admissible conductor size DC	AWG 11 - AWG 6 copper direct, AWG 6 aluminium direct (AWG 10 copper or AWG 8 aluminium for overcurrent protective devices up to 60 A, from 61 to 100 A minimum AWG 8 for copper or AWG 6 aluminium has to be used), AWG 4 - AWG 2 copper or aluminium with optional input combiner			
Number of MPPT	2			
Integrated DC string fuse holders	4- and 4+ for MPPT 1 / no fusing required on MPPT 2			

OUTPUT DATA	PRIMO 10.0-1	PRIMO 11.4-1	PRIMO 12.5-1	PRIMO 15.0-1	
Max. output power	208 V/240 V	9,995 VA/9,995 VA	11,400 VA/11,400 VA	12,500 VA/12,500 VA	13,750 VA/15,000 VA
Output configuration				1-NPE 208/240 V	
Frequency range (adjustable)				45-55 Hz / 50 - 66 Hz	
Operating frequency range default for CAL setups				→ 58.5 - 60.5 Hz	
Operating frequency range default for HI setups				→ 57.0 - 63.0 Hz	
Nominal operating frequency				60 Hz	
Admissible conductor size AC	AWG 10- AWG 2 copper (solid/stranded/fine stranded) (AWG 10 copper or AWG 8 aluminium for overcurrent protective devices up to 60 A, from 61 to 100 A minimum AWG 6 aluminium has to be used), AWG 6-AWG 2 copper (solid/stranded) Multi Contact Wiring cable with AWG 12				
Total harmonic distortion				< 2.5 %	
Power factor range				0-1 ind./cap.	
Max. continuous output current	208 V	48.1 A	54.8 A	60.1 A	66.1 A
	240 V	41.3 A	47.5 A	53.1 A	62.5 A
OCPD/AC breaker size	208 V	70 A	70 A	80 A	90 A
	240 V	60 A	60 A	70 A	88 A
Max. Efficiency				96.7 %	
CEC Efficiency 600 V/1,000 V	240 V		96.0 % / 96.5 %		96.5 % / 97.0 %

For information on up to 10 MPPT, 1000V, 1000V, 1000V, and 1000V, please refer to the technical data of the Primo 1000V series. Technical data is subject to change without notice. All values are approximate and may vary.

Product Wording: "Solar Energy" Product Wording:

## THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,660 employees worldwide and 1,321 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information: Email: [fronius@fronius.com](mailto:fronius@fronius.com) Web: [www.fronius.com](http://www.fronius.com) Phone: +49 375 949-1000 Fax: +49 375 949-1001

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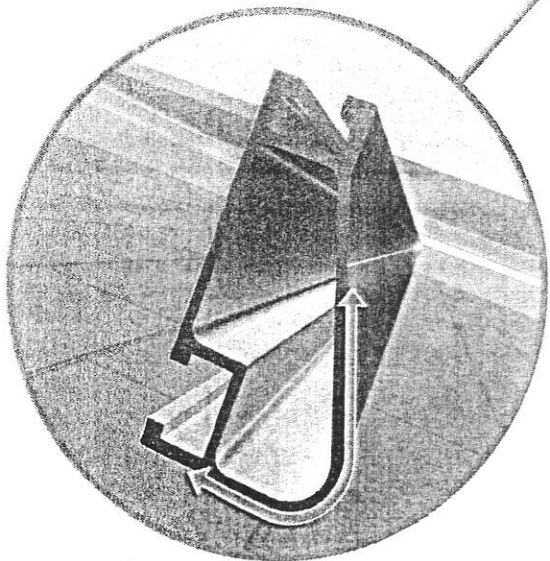
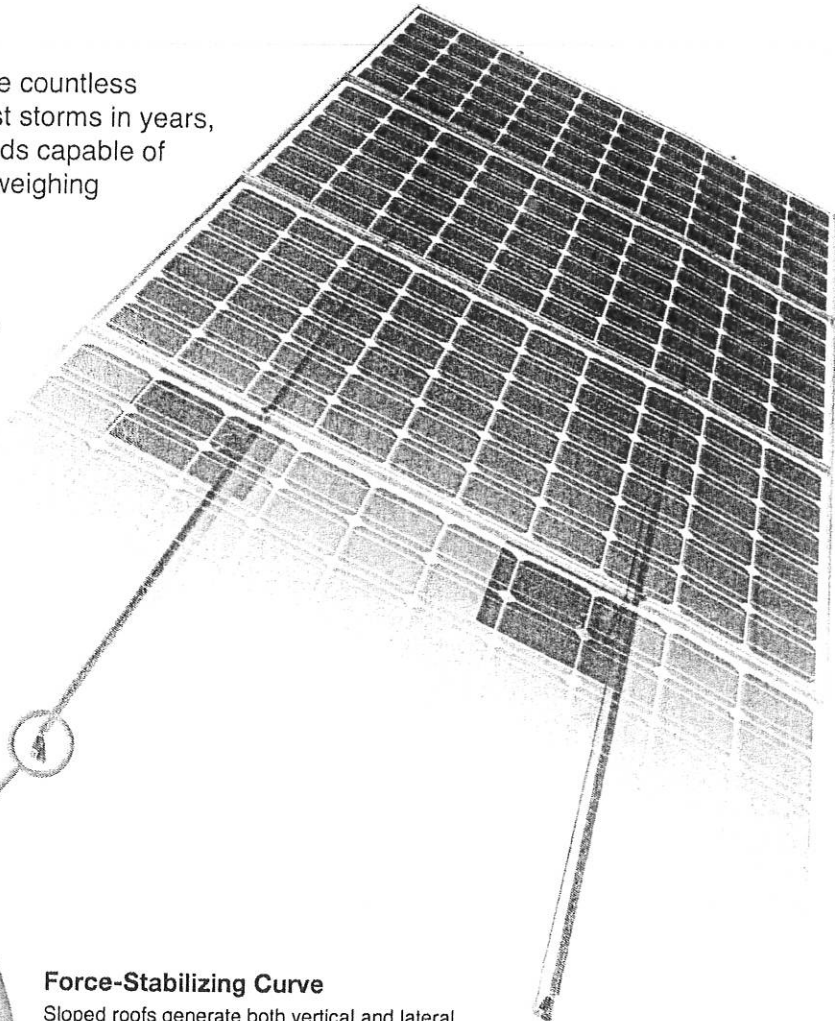


## XR Rail® Family

### Solar Is Not Always Sunny

Over their lifetime, solar panels experience countless extreme weather events. Not just the worst storms in years, but the worst storms in 40 years. High winds capable of ripping panels from a roof, and snowfalls weighing enough to buckle a panel frame.

XR Rails® are the structural backbone preventing these results. They resist uplift, protect against buckling and safely and efficiently transfer loads into the building structure. Their superior spanning capability requires fewer roof attachments, reducing the number of roof penetrations and the amount of installation time.



#### Force-Stabilizing Curve

Sloped roofs generate both vertical and lateral forces on mounting rails which can cause them to bend and twist. The curved shape of XR Rails® is specially designed to increase strength in both directions while resisting the twisting. This unique feature ensures greater security during extreme weather and a longer system lifetime.

#### Compatible with Flat & Pitched Roofs



XR Rails® are compatible with FlashFoot® and other pitched roof attachments.



IronRidge® offers a range of tilt leg options for flat roof mounting applications.

#### Corrosion-Resistant Materials

All XR Rails® are made of 6000-series aluminum alloy, then protected with an anodized finish. Anodizing prevents surface and structural corrosion, while also providing a more attractive appearance.





## XR Rail® Family

The XR Rail® Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail® to match.



### XR10

XR10 is a sleek, low-profile mounting rail, designed for regions with light or no snow. It achieves spans up to 6 feet, while remaining light and economical.

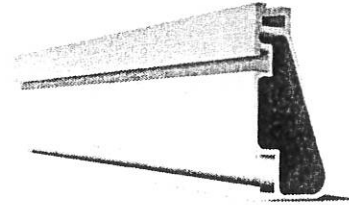
- 6' spanning capability
- Moderate load capability
- Clear & black anodized finish
- Internal splices available



### XR100

XR100 is a residential and commercial mounting rail. It supports a range of wind and snow conditions, while also maximizing spans up to 10 feet.

- 10' spanning capability
- Heavy load capability
- Clear & black anodized finish
- Internal splices available



### XR1000

XR1000 is a heavyweight among solar mounting rails. It's built to handle extreme climates and spans up to 12 feet for commercial applications.

- 12' spanning capability
- Extreme load capability
- Clear anodized finish
- Internal splices available

## Rail Selection

The table below was prepared in compliance with applicable engineering codes and standards.\* Values are based on the following criteria: ASCE 7-16, Gable Roof Flush Mount, Roof Zones 1 & 2e, Exposure B, Roof Slope of 8 to 20 degrees and Mean Building Height of 30 ft. Visit [IronRidge.com](http://IronRidge.com) for detailed certification letters.

Load		Rail Span					
Snow (PSF)	Wind (MPH)	4'	5'	6'	8'	10'	12'
None	90	XR10		XR100		XR1000	
	120						
	140						
	160						
20	90			XR100		XR1000	
	120						
	140						
	160						
30	90			XR100		XR1000	
	160						
40	90			XR100		XR1000	
	160						
80	160						
120	160						

\*Table is meant to be a simplified span chart for conveying general rail capabilities. Use approved certification letters for actual design guidance.

RESOLUTION NO. 2024-R22

A RESOLUTION AUTHORIZING THE SUPERVISOR TO APPLY FOR A GRANT THROUGH THE AGENCY FOR COMMUNITY TRANSIT

WHEREAS, Edwardsville Township proposes to apply for a grant through the Agency for Community Transit Community Action Grants Program for the following projects:

Edwardsville Township seeks grant funding to make available bus passes through this grant. We have estimated we will need a maximum of \$4,960. This application is based on forecasting our use for 6 months. This grant allows residents of Madison County the ability to ride MCT Transit buses to get to necessary appointments and social service opportunities.

WHEREAS, the funding for the project may exceed the actual amount granted from the grant funds in which Edwardsville Township agrees to fund the completion of the project from another source.

NOW, THEREFORE, BE IT RESOLVED by the Township Board of Edwardsville, Madison County, Illinois as follows:

SECTION 1: That the Board of Trustees of Edwardsville Township authorizes the filing of the above listed grant applications to the Agency for Community Transit Community Action Grants Program; and

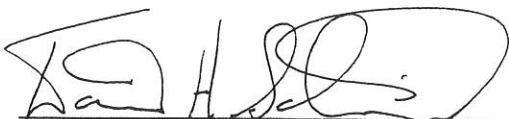
SECTION 2: That the Board of Trustees of Edwardsville Township hereby directs and designates the Supervisor to act as the authorized representative in connection with the filing of the aforementioned applications and all concurrent meetings and hearings associated with the project approval process.


Motion was made by Trustee Duane, seconded by Trustee Hardigan that the Resolution be adopted and approved by five (5) Ayes and zero (0) Nays.

PASSED BY THE TOWNSHIP BOARD OF EDWARDSVILLE TOWNSHIP, MADISON COUNTY, ILLINOIS, IN REGULAR AND PUBLIC SESSION THIS 20TH OF AUGUST 2024.

ATTEST:

APPROVED:

  
Township Clerk

  
Township Supervisor