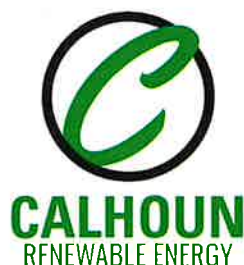
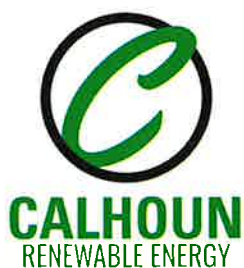


# Proposal for RFP#44-2025 Solar PV Installation at Police Sector East



# Company Profiles



# Proposal for RFP#44-2025

## Solar PV Installation at Police Sector East

### Company Profile

**Company Name:** Calhoun Construction Services

**Company Address:** 1708 Jaggie Fox Way  
Lexington, KY 40511

1703 S. Brook Street  
Louisville, KY 40208

**Year Established:** 2012

**# Full-Time Employees:** 200+

The company is actively involved in the installation of solar panels and related infrastructure.

Calhoun's expertise in solar energy extends to assessing and analyzing the cost-benefit of solar installations for small commercial entities. This assessment helps businesses understand the long-term financial benefits of switching to solar power, such as reduced energy costs and increased energy independence.

This focus on solar energy reflects Calhoun Construction's broader commitment to sustainable practices and community engagement, as they seek to support and develop dedicated professionals who share a passion for community welfare and sustainable development.



### Company Profile

**Company Name:** CMTA

**Company Address:** 220 Lexington Green  
Circle, Ste 600  
Lexington, KY 40503

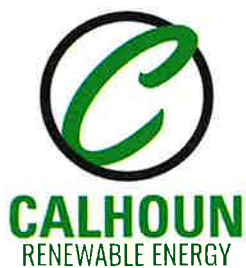
**Year Established:** 1968

**# Full-Time Employees:** 850+

CMTA has designed over 140 Megawatts of photovoltaic systems on hundreds of high-performance projects all around the country including the Zero Energy Locust Trace AgriScience Center in Lexington. CMTA implements the latest technologies and innovations in solar module design, inverter design and cost-effective mounting technologies. Our staff is uniquely qualified based on their wide range of experience within the PV industry which consists of NABCEP accredited installers, inspectors and designers with a combined experience of over 40 years. This expertise allows our team to bring unmatched value and innovation to any project.



# Project Experience





**Specific to solar PV systems installed by the company in calendar year 2023, what was the total number of systems installed? 5**

**What was the total installed capacity in KW? 1,291 kW**

**Describe your experience with project permitting and interconnection experience with LGE-KU:**

Calhoun Construction Services & CMTA have worked with LGE/KU on many PV projects ranging in size from 5-500kW+. We excel at the requirements for interconnection when it comes to engineering (Site Plan & Single Line Diagrams), codes and standards. We often work directly with the renewable group and team to vet available PV capacity on utility feeders that bring service to a specific site or building. This type of experience is very important because it allows our team to identify potential project issues on the onset of design instead of later in the project, where the consequences of a PV design/system size not being accepted by the utility could cost our client a lot of frustrations and resources.

**Attach two (2) references of applicable projects within LGE-KU service territory including a brief description of the PV system installed.**

Fayette County Public Schools, Locust Trace Agri-Science Center - Lexington, KY

- The Solar Photovoltaic array is comprised of 572 – 305W Crystalline Solar Panels. These are housed on the roofs of both the Academic Building, and the Arena Building. The total array size of 175KW is designed to generate enough electrical power to offset all site power usage and become NetZero site consumption.

- Zero Energy
- LEED Platinum
- PV: 175 kW
- EUI: 16
- Fayette County Public Schools

Lars Finneseth

859-381-4917

[lars.finneseth@fayette.kyschools.us](mailto:lars.finneseth@fayette.kyschools.us)

Berea College, Deep Green Residence Hall - Berea, KY

- A 50 kW monocrystalline solar photovoltaic (PV) system is installed on the south facing sloped roof area of the building. The system is modeled to provide 14 percent of the power usage on an annual basis. The system was selected because of the high efficiency and recent lower industry costs with an installation cost of \$4.93/watt.

- Zero Energy Ready
- LEED Platinum
- PV: 50 kW
- EUI: 31.4
- Berea College

Derrick Singleton

VP of Operations

859-985-3131

# Photovoltaic Systems

## Select Project Experience

### **Town of Andover, Sanborn Elementary School**

Zero Energy Targeted

PV: 350 kW

EUI: 25

### **DC Department of Parks and Recreation, Stead Park Community Center**

Zero Energy Targeted

PV: 90

### **Arlington County, Lubber Run Community Center**

Zero Energy

PV: 310 kW

EUI 22.1

### **Warren County Public Schools, Jennings Creek Elementary**

Zero Energy

PV: 250 kW

EUI: 15

### **City of Cincinnati, District 3 Police Headquarters**

Zero Energy

PV: 329 kW

EUI: 26.7

### **Washington College's Semans-Griswold Environmental Center**

Zero Energy Targeted

Living Building Challenge Targeted

LEED Platinum Targeted

EUI: 40

PV: 110 kW

## 9+M SF

in Zero Energy /  
Zero Carbon Facilities

## 180M+

Metric Tons of CO<sub>2</sub>e  
Emissions Eliminated

## 204

LEED Certified / Targeted  
(21 Platinum; 86 Gold; 69 Silver; 28  
Certified)

## 500+

ENERGY STAR Projects  
Scoring over 75

## 140MW

Renewable Power  
Designed / Installed

## 6,000

Miles of Linear Geothermal  
Wells Designed / Installed

# Project Team





# KONRAD KUTTER

NABCEP, PVIP, PVSI

Principal-in-Charge | Solar Program Manager

## EDUCATION

Mr. Kutter received a Bachelor of Science in Civil Engineering and German Studies from the University of Kentucky in 2014.

## REGISTRATIONS

- Power and Energy Certificate from the Power and Energy Institute of Kentucky
- NABCEP PV Installation Professional PV-1-2117-013866
- NABCEP PV Inspector PVSI-061819-013866
- BPI Building Science Principles
- OSHA 30hr Hazard Recognition Training

## ORGANIZATIONS

- North American Board of Energy Practitioners
- Engineers without Borders
- Kentucky Society of Professional Engineers
- Kentucky Solar Industry Association - Board Member

## RELATED PROJECTS

ESPC Project: Total=\$11,527,219

91 kW rooftop solar PV array for Pender Office Bldg., 100 kW array for 2 fire stations, 326 kW array for a RECenter, 150 kW array for office building, 350.98 kW for 166 Transfer Station

Fairfax County Government Phase 2  
Fairfax, Virginia

ESPC Project: Total=\$58,267,792

Loudoun County Public Schools Phases 1 - 5, 7

Phase 1: 592.5 kW roof mount solar array

Phase 2: 244 kW DC roof mount solar array

Phase 3: 1,941.23 kW DC roof mount solar arrays across 6 schools

Phase 4: 562.5 kW roof mount solar array

Phase 5: 2,107 kW DC roof mount solar arrays, 4,600 solar PV panels, across 4 facilities

Phase 7: 240.75 kW roof-mounted solar photovoltaic array with 535 modules for 1 school

Ashburn, Virginia

ESPC Project: \$14,642,122; 21 facilities

Wood County Schools Phase 1

390 kW roof mount solar array

Parkersburg, West Virginia

## EXPERIENCE

Mr. Kutter has a vast knowledge of renewable energy systems within and outside of the United States. He is a certified PV designer, installation professional and inspector who has worked on projects ranging from 5kW to 10MW+.

Mr. Kutter has experience in all facets of a construction project from design, interconnection, and construction to commissioning. He has a thorough knowledge base in utility interconnection, both in net metering and behind the meter interconnections. He also has strong skills in leadership and management, which has led to the success of a variety of projects.

As a project manager, Mr. Kutter will ensure the overall project scope is met by coordinating and working closely with the project team through design, construction and commissioning. He will work effectively with utilities and subcontractors to ensure a successful project. Once the project has been completed, Mr. Kutter has the expertise and certification by the North American Board of Energy Practitioners to inspect all types of photovoltaic systems.







# Brian Baumgartle

PE, LC, LEED AP BD+C

Principal-in-Charge/Project Manager

## Profile

### Role

Principal-in-Charge/Project Manager

### Bio

As an expert in electrical engineering, Brian holds extensive understanding of electrical power distribution and its impact on energy efficiency and resiliency. He has also designed more than 100 Megawatts of renewable power (photovoltaics) for many institutions across the nation, including K-12 school districts. In addition, his extensive experience and knowledge of lighting and daylighting design ensures that it will be memorable, visually comfortable, cost effective and energy efficient.

### Education

B.S., Electrical Engineering, University of Louisville, 1998

### Registrations

Licensed Professional Engineer KY (#23119)

**17 Years with firm**

**27 Years experience**



## Select Project Examples

### City of Cincinnati

*Cincinnati, Ohio*

District 3 Police Headquarters

- 39,600 SF
- Zero Energy
- LEED Platinum
- PV: 329 kW
- EUI: 26.7

### Hancock County Public Library

*Palestine, Indiana*

Sugar Creek Library

- 15,000 SF New Facility
- Zero Energy
- PV: 132 kW
- EUI: 27.8

### Kentucky Air National Guard

*Frankfort, Kentucky*

Boone National Guard Army Aviation Support Building

- 115,300 SF New Facility
- LEED Gold
- PV: 80 kW
- EUI: 15

### Warren County Public Schools

*Bowling Green, Kentucky*

Jennings Creek Elementary

- 86,000 SF New Facility
- Zero Energy
- Energy Star
- PV: 350 kW
- EUI: 15

### Kenton County Schools

*Edgewood, Kentucky*

Turkey Foot Middle School

- 133,359 SF New Facility
- Zero Energy
- LEED Gold
- PV: 453 kW
- EUI: 22



# Andrew Godoy

## Electrical Engineer

### Profile

#### Role

Electrical Engineer

#### Bio

Andrew first joined CMTA as an intern in 2013 while attending University of Louisville, then joined CMTA full-time after graduating in 2016.

When it comes to community and education-based projects, Andrew understands how vital electrical systems play a part in determining a good project from a great one. He enthusiastically looks forward to conquering inevitable challenges and future projects along the way, as well as meeting new clients and making their projects come to life.

#### Education

B.S., Electrical Engineering, University of Louisville, 2016

**8 Years with firm**

**8 Years experience**



### Select Project Examples

#### City of Cincinnati

*Cincinnati, Ohio*

##### District 3 Police Headquarters

- 39,600 SF
- Zero Energy
- LEED Platinum
- PV: 329 kW
- EUI: 26.7

#### Kentucky Air National Guard

*Frankfort, Kentucky*

##### Boone National Guard Army Aviation Support Building

- 115,300 SF New Facility
- LEED Gold
- PV: 80 kW
- EUI: 15

#### CMTA

*Lexington, Kentucky*

##### Lexington Office Building

- 12,000 SF New Facility
- Zero Energy
- LEED Platinum
- PV: 8 kW
- EUI: 14

#### Arlington Public Schools

*Arlington, Virginia*

##### Discovery Elementary School

- 98,000 SF New Facility
- Zero Energy
- Energy Star
- PV: 497 kW
- EUI: 15.2

#### Coppell Independent School District

*Coppell, Texas*

##### Richard J Lee Elementary School

- 96,000 SF New Facility
- Zero Energy
- LEED Gold
- PV: 358 kW
- EUI: 19



# Jason Johnson

## Senior Project Manager

### Select Project Examples

#### Role

Senior Project Manager

#### Bio

As a Construction Management Professional with over 25 years of experience, He has successfully managed both field and office operations. His expertise lies in renewable energy, with a strong focus on sustainable design and construction. He has consistently demonstrated his ability to manage projects efficiently, ensuring they are completed on time and within budget.

#### Education

B.S., Construction Management,  
University of Minnesota  
MPS-RESS in Renewable Energy,  
Pennsylvania State University  
SEI - PVOL202: Advanced PV System  
Design and NEC Certification

#### Registrations

OSHA 30-Hour 16-602000854  
NABCEP PVIS PVIP

**+3 Years with firm**

**26 Years experience - Construction**

**15 Years experience - Renewable  
Energy**



#### Los Angeles Unified School District Multiple Sites

*Los Angeles, CA*

- 9 Public School Sites
- PV: 7.4 MW Total System Size
- Carport PV Systems

#### Santa Monica Malibu Unified School District Multiple Sites

*Santa Monica, CA*

- 9 Public School Sites
- PV: 863.310 kW Total System Size
- Roof Mount Systems

#### Newport Costa Mesa Unified School District

*Newport-Cost Mesa, CA*

- 32 Public School Sites
- PV: 3.3 MW Total System Size
- Carport PV Systems

#### Westmont Solar Energy Project @ the Port of Los Angeles

*San Pedro, CA*

- 4 Total Rooftops Covering More Than 50 Acres
- PV: 16.4 MW Total System Size
- Roof Mount Systems

#### Hallway Feeds Solar Project

*Lexington, KY*

- 3 Total Systems
- PV: 522.900 kW
- Roof Mount and Ground Mount Systems

#### Lexington Fire Station #22

*Lexington, KY*

- 1 roof mount system
- PV: 22.17 kW
- Roof Mount System

#### Bernheim Middle School

*Shepherdsville, KY*

- 1 roof mount system
- PV: 60 kW
- Roof Mount System

#### Martin County High School

*Inez, KY*

- 1 ground mount
- PV: 60 kW
- Ground Mount System



# Michael Phelps

## Lead Electrician

### Profile

#### Role

Lead Electrician

#### Bio

Mike has over 20 years of experience as an electrician in Kentucky. He has worked on more than 100 diverse electrical interconnection projects in LGE-KU service territories. He has superior knowledge in local, regional, and national electrical code (NEC) requirements. Mike has a proven track record of completing electrical projects on time with very little need for modifications require by electrical inspection officers.

#### Education

Electrical Apprenticeship 1996

#### Registrations

DHBC – Licensed Master Electrician KY  
(ME28047) 2005- Present  
OSHA 30-HOUR CSH

#### 5 Years with firm

#### 22 Years experience - electrical construction

#### 3 Years experience - photovoltaic construction



#### Days Inn Louisville Airport

*Louisville, KY*

- PV: 96kW Total System Size
- 2 Roof Mount PV Systems

#### Hallway Feeds Solar Project

*Lexington, KY*

- 3 Total Systems
- PV: 522.900 kW
- Roof Mount and Ground Mount Systems

#### Lexington Fire Station #22

*Lexington, KY*

- 1 roof mount system
- PV: 22.17 kW
- Roof Mount System

#### Bernheim Middle School

*Shepherdsville, KY*

- 1 roof mount system
- PV: 60 kW
- Roof Mount System

#### Martin County High School

*Inez, KY*

- 1 ground mount
- PV: 60 kW
- Ground Mount System

#### Oakley Trasport

*Louisville, KY*

- PV: 24.5 kW
- Roof Mount PV System

#### Saint James Church

*Elizabethtown, KY*

- PV: 12 kW
- Roof Mount PV System



# Technical Approach



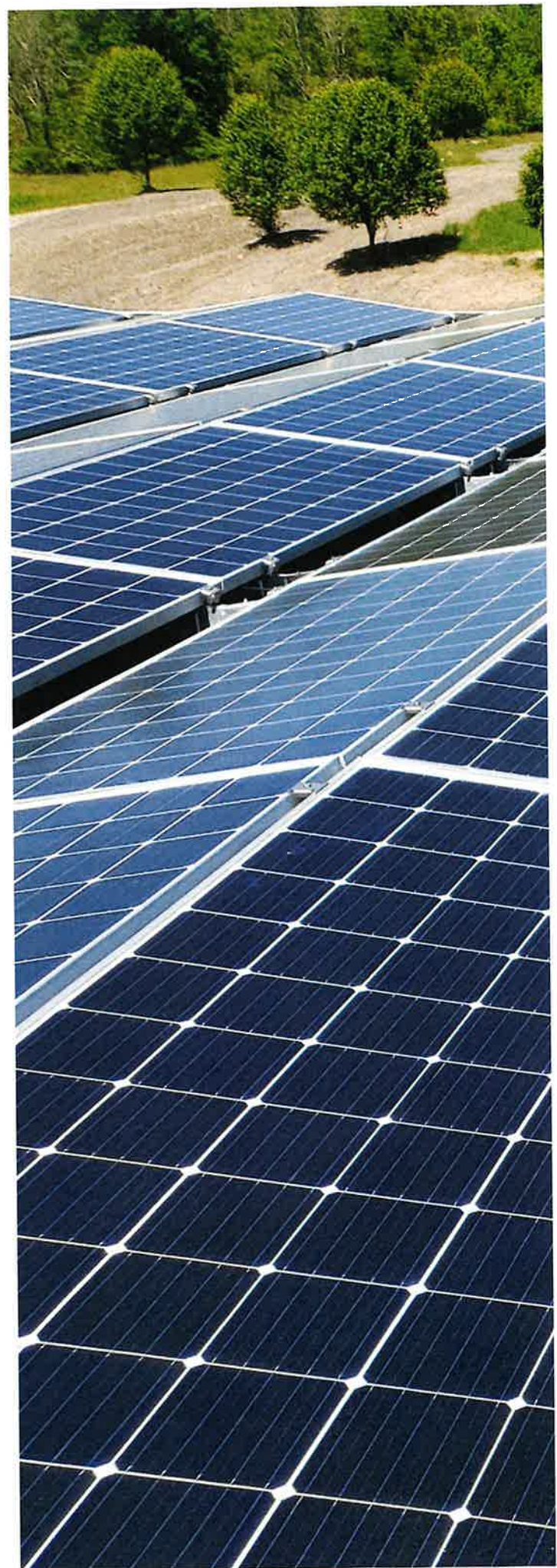
# Technical Approach

## Photovoltaic (PV) Systems

The photovoltaic industry continues to evolve rapidly meaning that whatever worked on the last project might be outdated and expensive on the next. CMTA's solar design experts are on the forefront of many of these trends to ensure that our clients are able to leverage the best available photovoltaic technology.

CMTA has designed over 140 Megawatts of photovoltaic systems on hundreds of high-performance projects all around the county and implements the latest technologies and innovations in solar module design, inverter design and cost-effective mounting technologies. Our staff is uniquely qualified based on their wide range of experience within the PV industry which consists of NABCEP accredited installers, inspectors and designers with a combined experience of over 40 years. This expertise allows our team to bring unmatched value and innovation to any project.

Our process starts at the conceptual design level, involves consideration of building massing, orientation, self-shading, roof obstacles and utility interconnection viability. Next, we assess the potential EUI of the building and ensure we understand the impact of loads within the building we have designed. We live by the "reduce before produce" model, which ensures a focus on reducing building loads and other efficiency opportunities before lowering the EUI of the building with PV. This line of thinking and design allows CMTA to ensure the size of a projects solar PV plant is optimized.



## Technical Approach – RFP #44-2025 LFUCG

### Calhoun Construction Services Basis of Design:

Calhoun Construction Services proposes installing a 20.48kW DC solar system consisting of the following components.

1. A total of (32) Hyundai HiN-T640NJ (640W) modules
2. One SolarEdge SE17.3K-US 208V Inverter utilizing a total of (3) strings of modules
3. (32) SolarEdge – C651U optimizers / rapid shut down units utilizing both the SolarEdge monitoring system intergraded with full individual module and inverter level monitoring.
4. Racking system –
  - A) On the pitched metal roof, we propose installing the IronRidge XR100 rail system and components using the S5! - metal roof clamps to structurally attach to the building. This system will be comprised of (32) modules utilizing a 4' clearance space around all edges of the roof and 4' clearance from the "snow stop" railing.
  - B) The system will also allow for a 4' clearance between each array for maintenance and future service.

All components meet or exceed all UL listed requirements. Construction of this solar system will meet all current codes requirements per NFPA, NEC, IBC, NFC and all state and local authorities having jurisdiction.

The solar system will not interfere with or impact the operation of the emergency generator.

The Hyundai HiN-T640NJ (640W) meet both the UL1703 and the UL61730 listings with a 30-year performance warranty with 89.4% efficiency at 25-years. The Hyundai HiN-T640NJ is listed as 640W and 706W bifacial with the CEC.

The SolarEdge SE17.3K-US 208V Inverter meets UL1741 listings. The SolarEdge inverter does qualify for Domestic Content. The inverter comes with a standard 12-year warranty with the option to increase it by 20-years. The inverter efficiency of inverter is 97% CEC.

The SolarEdge C651U optimizers / rapid shutdowns do qualify for Domestic Content. The optimizer/RSD has a 25-year warranty.

The IronRidge racking system is UL3741 listed and qualifies for Domestic Content. The IronRidge racking system comes with a 25-year warranty.



Calhoun Construction Services will utilize (PVDF) Strong-Ty™ Kynar Cable Ties achieve minimal flame-spread and smoke-generation, Strong-Ty™ zip ties meet the National Electrical Code (NFPA-70A) and UL94V-0.

Calhoun Construction Services proposes installing a Low-Profile Master Flash 20year warranty flashing by Aztec Washer Company to penetrate the metal roof system over the outside of the soffit to avoid installing conduit and LB's around the fascia and soffit. This application will provide a full warranty installation with junction boxes on both the metal and TPO roofs to allow for future maintenance of the solar system and the building with an aesthetically less intrusive design. The conduit will be installed using Durablock to eliminate any contact of the conduit with the roof.

Calhoun Construction Services cannot assure an extra 10% ITC tax credit based on the system specifics; it will be the evaluation of the tax professional to determine if this project meets the requirements at the time the documentation is submitted.

Calhoun Construction Services will provide a written 3-year warranty against defect of material or workmanship.

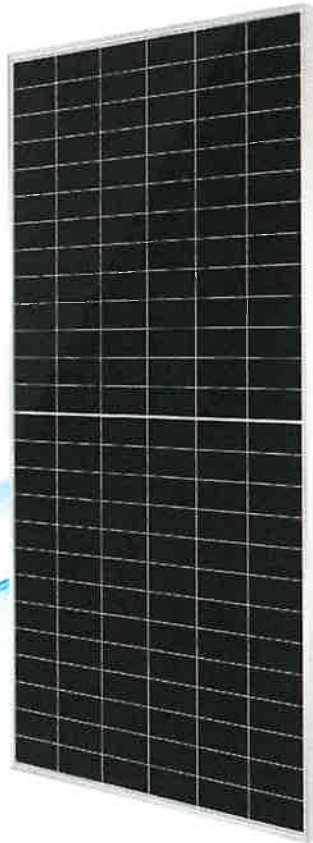


# HD HYUNDAI SOLAR MODULE

## NJ Series

### Premium N-Type TOPCon Module

HiN-T625NJ | HiN-T630NJ | HiN-T635NJ | HiN-T640NJ | HiN-T645NJ



23.07%  
High Efficiency



High-End  
TOPCon  
Technology



Higher  
Bifaciality



Long-Term  
Reliability



Compatible  
with Carport  
Applications



For Commercial  
& Utility  
Applications

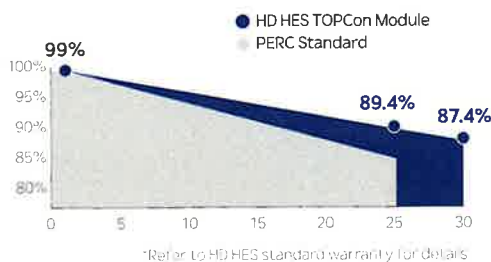
#### HD Hyundai's Warranty Provisions

12  
YEARS

- 12-Year Product Warranty
- Materials and workmanship

30  
YEARS

- 30-Year Performance Warranty
- First year degradation: 1%
- Linear warranty after initial year with 0.4%p annual degradation, 87.4% is guaranteed up to 30 years



#### Certification



ISO 9001: Quality management systems  
ISO 14001: Environmental management systems  
ISO 45001: Occupational health and safety management systems  
UL 61730: Photovoltaic (PV) module safety qualification (CSA)  
IEC 61701: Salt mist corrosion testing  
IEC 62716: Accelerated corrosion testing  
IEC 62881: Potential Induced Degradation (PID) testing  
IEC 60568-2-02: Standard dust testing for environmental durability

## Electrical Characteristics

HiN-TxxxNJ		HiN-T625NJ		HiN-T630NJ		HiN-T635NJ		HiN-T640NJ		HiN-T645NJ	
Item	Unit	BNPI**		BNPI		BNPI		BNPI		BNPI	
Nominal output (Pmax)	W	625	693	630	698	635	704	640	709	645	715
Open circuit voltage (Voc)	V	55.7	55.7	55.9	55.9	56.1	56.1	56.3	56.3	56.5	56.5
Short circuit current (Isc)	A	14.26	15.80	14.31	15.86	14.36	15.91	14.41	15.97	14.46	16.02
Voltage at Pmax (Vmpp)	V	46.3	46.3	46.5	46.5	46.7	46.7	46.9	46.9	47.1	47.1
Current at Pmax (Impp)	A	13.50	14.96	13.55	15.01	13.60	15.07	13.65	15.12	13.70	15.18
Module efficiency	%	22.26		22.54		22.72		22.90		23.07	
Power Class Sorting	W					0 ~ +5					
Temperature coefficient of Pmax	%/K					-0.30					
Temperature coefficient of Voc	%/K					-0.25					
Temperature coefficient of Isc	%/K					0.046					
Bifaciality	%					80±10%					

\*STC : Irradiance 1,000 W/m<sup>2</sup>, cell temperature 25°C, AM=1.5 ; Test uncertainty for Pmax ±3%, Voc ±3%, Isc ±3%

\*\*The electrical properties of BNPI are measured under the irradiance corresponding to 1000 W/m<sup>2</sup> on the module front and 135 W/m<sup>2</sup> on the module rear

Additional Power Gain from rear side					
Pmpp gain	Pmpp [W]	Vmpp [V]	Impp [A]	Voc [V]	Isc [A]
5%	667	46.70	14.28	56.10	15.08
15%	730	46.70	15.64	56.10	16.51
25%	794	46.70	17.00	56.10	17.95

\*Electrical characteristics with different rear power gain (reference to 635W)

## Mechanical Characteristics

Dimensions	2,465mm (L) x 1,134mm (W) x 35mm (H) (97.1in x 44.6in x 1.4in)
Weight	34.5 kg (76.1bs)
Solar Cells	N-Type TOPCon, 156 (6x26) monocrystalline 16BB half-cut bifacial cells
Output Cables	Cable : (+) 1,400mm(55.1in), (-) 1,400mm(55.1in) / Customized length available Connector : MC4 Genuine or Compatible, IP68
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm(0.08in) semi-tempered solar glass with high transmittance and anti-reflective coating Rear : 2.0mm(0.08in) semi-tempered solar glass
Frame	Anodized aluminum alloy

## Installation Safety Guide

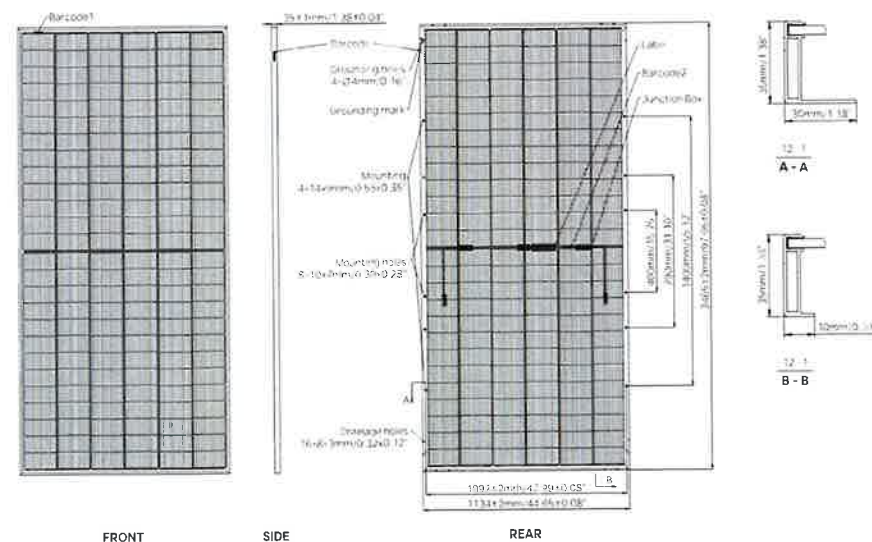
- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not handle or install modules when they are wet.

Nominal Module Operation Temperature	44°C ± 2°C
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1,500 V
Maximum Reverse Current	30A
Maximum Test Load	Front 5,400Pa Rear 2,400Pa
Fire Performance	Type 29

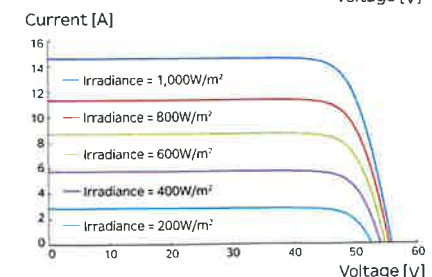
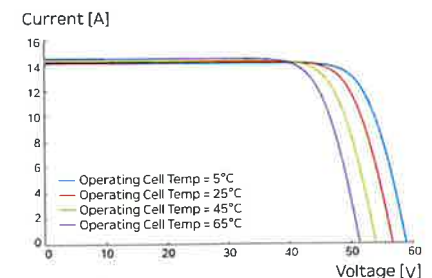
## Shipping Configurations

Packing Direction	Vertical	Packing pallet weight (kg)	1,105
Container Size (HC)	40'	Modules Per Pallet (pcs)	31
Pallets Per Container	16	Modules Per Container (pcs)	496

## Module Diagram (unit : mm)



## I-V Curves (HiN-T635NJ)



## Three Phase Inverters for the 120/208V Grid For North America

SE10KUS / SE17.3KUS



### The best choice for SolarEdge enabled systems

- / Specifically designed to work with power optimizers
- / Quick and easy inverter commissioning directly from a smartphone using SolarEdge SetApp
- / Fixed voltage inverter for superior efficiency and longer strings
- / Built-in type 2 DC and AC Surge Protection, to better withstand lightning events
- / Small, lightest in its class, and easy to install outdoors or indoors on provided bracket
- / Integrated arc fault protection and rapid shutdown for NEC 2014 – 2023, per article 690.11 and 690.12
- / Built-in module-level monitoring with Ethernet, wireless or cellular communication for full system visibility
- / Integrated Safety Switch
- / UL 1741 SA and SB certified, for CPUC Rule 21 grid compliance

# / Three Phase Inverters for the 120/208V Grid<sup>(1)</sup>

## For North America

### SE10KUS / SE17.3KUS

Model Number	SE10KUS	SE17.3KUS	
Applicable to inverters with part number	SEXK-USX2IXXX		
OUTPUT			
Rated AC Power Output	10000	17300	W
Maximum Apparent AC Output Power	10000	17300	VA
AC Output Line Connections	3W + PE, 4W + PE		
AC Output Voltage Minimum-Nominal-Maximum <sup>(2)</sup> (L-N)	105 – 120 – 132.5		Vac
AC Output Voltage Minimum-Nominal-Maximum <sup>(2)</sup> (L-L)	183 – 208 – 229		Vac
AC Frequency Minimum-Nominal-Maximum <sup>(2)</sup>	59.3 – 60 – 60.5		Hz
Continuous Output Current (per Phase)	27.8	48.25	Aac
GFDI Threshold	1		A
Utility Monitoring, Islanding Protection, Country Configurable Set Points	Yes		
THD	≤ 3		%
Power Factor Range	+/- 0.85 to 1		
INPUT			
Maximum DC Power (Module STC)	17500	30275	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage DC+ to DC-	600		Vdc
Operating Voltage Range	370 – 600		Vdc
Maximum Input Current	27.8	48.25	Adc
Maximum Input Short Circuit Current	55		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	167kΩ Sensitivity <sup>(3)</sup>		
CEC Weighted Efficiency	97	97.5	%
Night-time Power Consumption	< 4		W
ADDITIONAL FEATURES			
Supported Communication Interfaces	2 x RS485, Ethernet, Cellular (optional)		
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection		
Rapid Shutdown	NEC 2014 – 2023, built-in		
RS485 Surge Protection Plug-in	Supplied with the inverter, built-in		
AC/DC Surge Protection	Type II, field replaceable, built-in		
DC Fuses (Single Pole)	25A, built-in		
Smart Energy Management	Export Limitation		
VAR at Night	Yes <sup>(4)</sup>		
DC SAFETY SWITCH			
DC Disconnect	Integrated		
STANDARD COMPLIANCE			
Safety	UL 1741, UL 1741 SA; UL 1741 SB; UL 1699B; CSA C22.2; Canadian AFCI according to T.I.L. M-07		
Grid Connection Standards	IEEE 1547-2018, Rule 21, Rule 14 (H)		
Emissions	FCC Part 15 Class A		
INSTALLATION SPECIFICATIONS			
AC Output Conduit size /AWG range	¾" or 1" / 6 - 10 AWG		
DC Input Conduit size / AWG range	¾" or 1" / 6 - 12 AWG		
Number of DC inputs pairs	4		
Dimensions with Safety Switch (H x W x D)	31.8 x 12.5 x 11.8 / 808 x 317 x 300		in / mm
Weight with Safety Switch	78.2 / 35.5		lb / kg
Cooling	Fans (user replaceable)		
Noise	< 62		dBA
Operating Temperature Range	-40 to +140 / -40 to +60 <sup>(5)</sup>		°F / °C
Protection Rating	NEMA 3R		
Mounting	Bracket provided		

(1) For 277/480V inverters refer to the [Three Phase Inverters for the 277/480V Grid for North America](#) datasheet.

(2) For other regional settings please contact SolarEdge support.

(3) Where permitted by local regulations.

(4) For information about enabling VAR at Night refer to the [Set Volt-Amps Reactive at Night](#) application note.

(5) For power derating information refer to the [Temperature Derating](#) technical note for North America.



# Commercial Power Optimizer

## USA Domestic Content Eligible

C651U



POWER OPTIMIZER



SolarEdge's USA-manufactured offering for C&I projects, for power optimization at the module level

- **Eligible for Domestic Content\***
  - SolarEdge USA-manufactured power optimizers, when paired with certain SolarEdge USA-manufactured inverters, are intended to be eligible for the enhanced federal income tax credit for domestic content
- **Higher Energy Yields**
  - Generates maximum power from each PV module
  - High efficiency (99.5%)
  - Supports high power and bifacial PV modules, including G12 modules
- **Enhanced Monitoring and Visibility**
  - Maximum system visibility up to the individual module level
  - Pinpointed fault detection and remote troubleshooting
- **Maximum Protection with Built-in Safety**
  - Designed to automatically reduce high DC voltage to touch-safe levels, upon grid/inverter shutdown, with SafeDC™
  - Includes SolarEdge Sense Connect, designed to prevent arcs by monitoring Power Optimizer connectors for overheating
  - Certified to Photovoltaic Rapid Shutdown, according to NEC 2014 – 2023

\* For more information, refer to the last page of this document

# / Power Optimizer

## USA Domestic Content Eligible for North America

C651U

Power Optimizer Model	C651U	
INPUT		
Rated Input DC Power <sup>(1)</sup>	650	W
Absolute Maximum Input Voltage (Voc)	80	Vdc
MPPT Operating Range	12.5 – 80	Vdc
Maximum Short Circuit Current (Isc) of Connected PV Module <sup>(2)</sup>	20	Adc
Maximum Adjusted Short Circuit Current (with Safety Factor) <sup>(3)</sup>	25	Adc
Maximum Efficiency	99.5	%
Weighted Efficiency	98.8	%
Overvoltage Category	II	
OUTPUT DURING OPERATION		
Maximum Output Power	650	Wdc
Maximum Output Current	24	Adc
Maximum Output Voltage	60	Vdc
SAFETY FEATURES		
SafeDC™	Yes	
Safety Output Voltage per Power Optimizer	0.5 ± 0.075	Vdc
Sense Connect	Yes	
Photovoltaic Rapid Shutdown System	Yes, NEC 2014 – 2023	
STANDARD COMPLIANCE		
EMC	FCC Part 15, IEC 61000-6-2; IEC 61000-6-3	
Safety	IEC62109-1 (class II safety); UL 1741; UL 3741; CSA C22 2#107.1	
Material	UL94 V-0, UV Resistant	
RoHS	Yes	
Fire Safety	VDE-AR-E 2100-712:2013-05	
INSTALLATION SPECIFICATIONS		
Compatible SolarEdge Inverters <sup>(4)</sup>	Commercial Three Phase Inverters with one of the following part number structures: xSE-SIN-USxxlxxx SE-DBL-USxxlxxxx SE-TRI-USxxlxxxx	
Maximum Allowed System Voltage	1000	Vdc
Dimensions (W x L x H)	128 x 155 x 52 / 5.03 x 6.10 x 2.05	mm / in
Weight	1080 / 2.38	gr / lb
Input Connector	MC4 <sup>(5)</sup>	
Input Wire Length	(+) 1.4, (-) 1.4 / (+) 4.59, (-) 4.59 <sup>(6)</sup>	m / ft
Output Connector	MC4	
Output Wire Length	(+) 3.0 (-) 0.10 / (+) 9.84, (-) 0.32	m / ft
Operating Temperature Range <sup>(7)</sup>	-40 to +85 / -40 to +185	°C / °F
Protection Rating	IP68 / NEMA6P	
Relative Humidity	0 – 100	%

(1) Modules with a front side maximum power of up to 715W at STC are allowed. Up to +5% power tolerance is allowed.

(2) When using bifacial modules, consider only the front side I<sub>sc</sub> at STC (0% back side gain). For details, see [here](#).

(3) Adjusted for ambient temperature, irradiance, bifacial gain, safety factor, and so on, in accordance with NEC and CSA.

(4) For detailed inverter compatibility information, see [here](#).

(5) For other connector types please contact SolarEdge.

(6) The Sense Connect feature is only enabled on the output wire connectors. For details, see [here](#).

(7) For ambient temperatures above +65°C / +149°F, power derating is applied. For details, see [here](#).

# / Power Optimizer

## USA Domestic Content Eligible for North America

### C651U

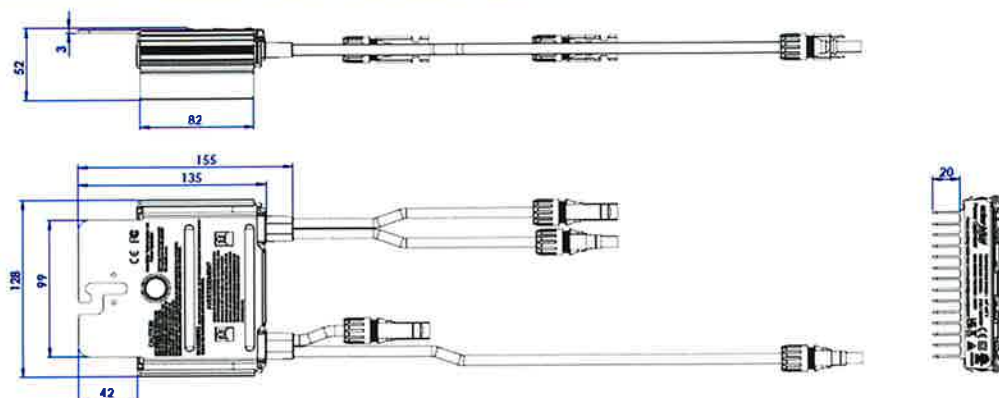
PV System Design Using a SolarEdge Inverter <sup>(8)</sup>		208V Grid SE10K	208V Grid SE17.3K*	277/480V Grid SE30K, SE33.3K*	277/480V Grid SE40K*	
Compatible Power Optimizers		C651U				
Minimum String Length	Power Optimizers	13	13	18	18	
	PV Modules	13	13	18	18	
Maximum String Length	Power Optimizers	57	57	57	57	
	PV Modules	57	57	57	57	
Maximum Continuous Power per String		10,000	9600	20,400	20,400	W
Maximum Allowed Connected Power per String <sup>(9)</sup>		1 string or more – 15,000	1 string – 11,400	1 string – 22,650	1 string – 22,650	W
			2 strings or more – 15,600	2 strings or more – 30,400	2 strings or more – 30,400	
Parallel Strings of Different Lengths or Orientations		Yes				
Maximum Difference in Number of Power Optimizers Allowed Between the Shortest and Longest String Connected to the Same Inverter Unit		5 Power Optimizers				

\*The same rules apply for Synergy units of equivalent power ratings, that are part of the modular Synergy Technology inverter.

(8) C651U cannot be mixed with any other Power Optimizer models in the same string

(9) To connect more STC power per string, design your project using [SolarEdge Designer](#)

#### C651U Mechanical Drawing



#### Eligibility for Domestic Content

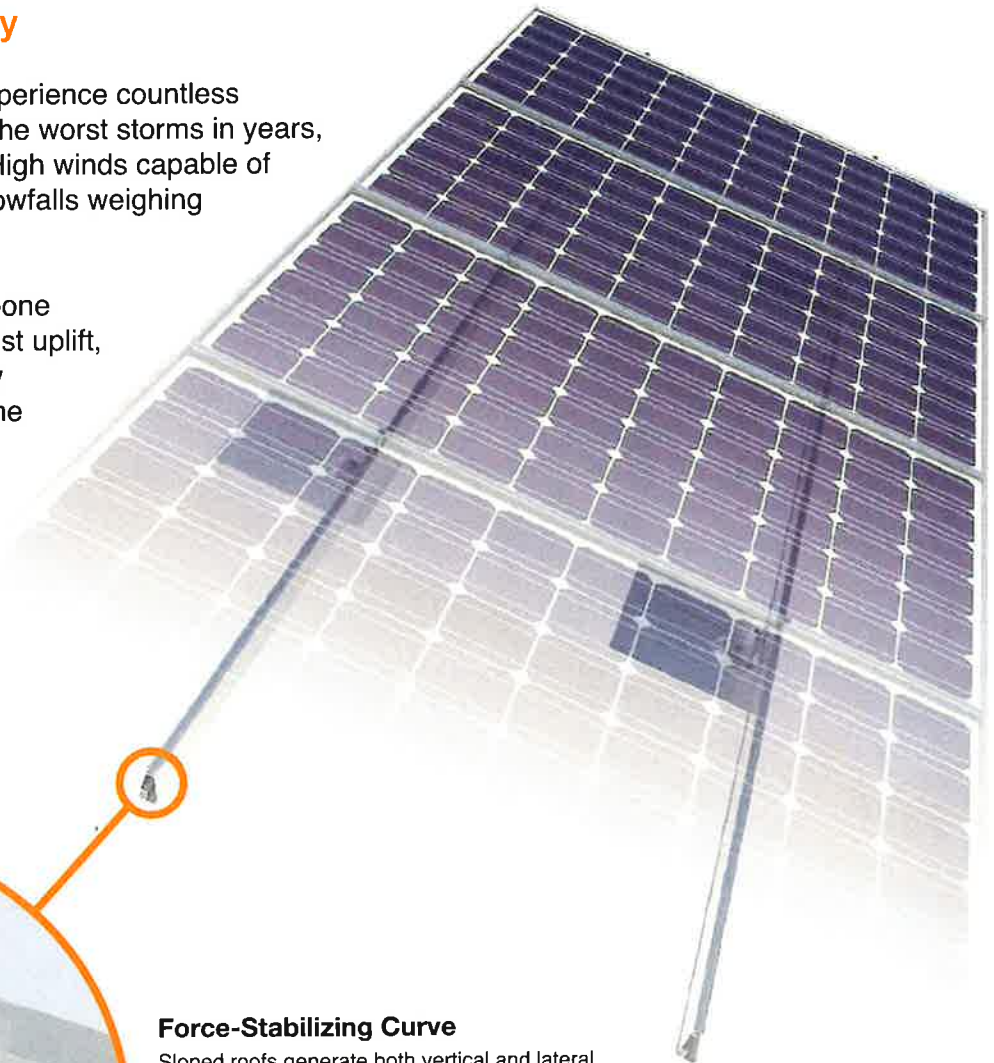
As it relates to the domestic content rules, the U.S. Department of Treasury and the IRS have not yet issued proposed or final regulations. Rather, the IRS has issued three notices - Notice 2023-38, Notice 2024-41 and Notice 2025-08. These notices provide guidance regarding the domestic content rules. SolarEdge products referenced herein are manufactured with the intent to be eligible for inclusion under the elective safe harbor table in calculating the Domestic Cost Percentage under the "Rooftop (MLPE)" category (under IRS **Notices 2024-41 and 2025-08, depending on the PN used – see chart below**). Eligibility is subject to the installation of qualified USA-Manufactured inverters and Power Optimizers (C651U) in the same project. SolarEdge does not provide tax and/or legal advice. You should consult with your own legal and/or tax advisor(s) regarding the eligibility of your project for the ITC or PTC, including the 10% Domestic Content bonus, to determine how the applicable rules apply to your project. The forward-looking statements in this document are accurate as of the date herein and are subject to change. For more information, please contact your local SolarEdge sales representative.

PN	Domestically produced MPCs per notice 2024-41*	Domestically produced MPCs per notice 2025-08*
USE-SIN-USR0IBNS6, when paired with C651U	Printed Circuit Board Assemblies, Electrical Parts, Enclosure (35.6%)	Printed Circuit Board Assemblies (DC-DC) and (AC-AC), Enclosure, Production (24.8%)
USESUK-USR0INNN6, when paired with C651U	Printed Circuit Board Assemblies, Electrical Parts, Enclosure (35.6%)	Printed Circuit Board Assemblies (DC-DC) and (AC-AC), Enclosure, Production (24.8%)
USE-SIN-USR0IBNS8, when paired with C651U	Printed Circuit Board Assemblies, Electrical Parts, Enclosure (17.6%)	Printed Circuit Board Assemblies (DC-DC) and (AC-AC), Enclosure, Production (24.8%)
USESUK-USR0INNN8, when paired with C651U	Printed Circuit Board Assemblies, Electrical Parts, Enclosure (17.6%)	Printed Circuit Board Assemblies (DC-DC) and (AC-AC), Enclosure, Production (24.8%)

## 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.

### 6000-Series Aluminum

All XR Rails® are made of 6000-series aluminum alloy, with anodized options. Anodizing prevents corrosion, while also providing a more attractive appearance. Available in mill and black-anodized finish.





## 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
- Mill & 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
- Mill & 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
- Mill, non-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' 4"	6'	8'	10'	12'
None	90	XR10		XR100		XR1000	
	120						
	140						
	160						
20	90						
	120						
	140						
	160						
30	90						
	160						
40	90						
	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.

**The Right Way!® to attach almost anything to metal roofs!**

# S-5!®

## *The Right Way*

### S-5-U™ Clamp

The S-5-U clamp is by far our most popular and most versatile clamp. It fits about 85% of the standing seam profiles manufactured in North America—including most structural and architectural profiles. It can be used on vertically oriented seams and, by rotating the clamp 90 degrees, it can also be used on most horizontal 2" seam profiles.

Its simple design, generous dimensioning, and multiple hole orientations are what make the S-5-U clamp so versatile for use with the S-5!® snow retention products, such as ColorGard®, as well as with other heavy-duty applications.

Installation is as simple as setting the specially patented round-point setscrews into the clamp, placing the clamp on the seam, and tightening them to the specified tension. Then, affix ancillary items using the bolt provided with the product. Go to [www.S-5.com/tools](http://www.S-5.com/tools) for information and tools available for properly attaching and tensioning S-5! clamps.

### S-5-U Mini Clamp

The S-5-U Mini is a bit shorter than the S-5-U and has one setscrew rather than two. The mini is the choice for attaching all kinds of rooftop accessories: signs, walkways, satellite dishes, antennas, rooftop lighting, lightning protection systems, solar arrays, exhaust stack bracing, conduit, condensate lines, mechanical equipment—just about anything!\*

\*S-5! mini clamps are not compatible with, and should not be used with S-5! SnoRail™/SnoFence™ or ColorGard® snow retention systems.




**S-5-U and S-5-U Mini**

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**The S-5-U clamp is our most popular and versatile clamp, fitting about 85% of the standing seam profiles in North America.**

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**888-825-3432 | [www.S-5.com](http://www.S-5.com) | **

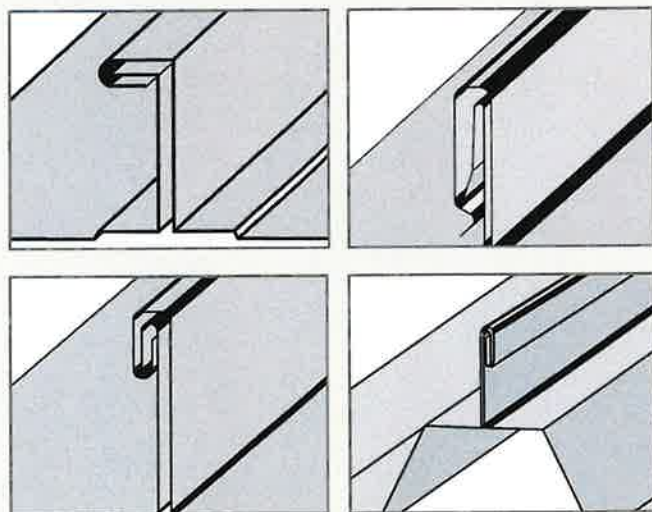
Made in USA

The strength of the S-5-U clamp is in its simple design. The patented setscrews will slightly dimple the metal seam material but not pierce it—leaving the roof manufacturer's warranty intact.

The **S-5-U** and **S-5-U Mini** clamps are each furnished with the hardware shown to the right. Each box also includes a bit tip for tightening setscrews using an electric screw gun. A structural aluminum attachment clamp, the S-5-U is compatible with most common metal roofing materials excluding copper. All included hardware is stainless steel. Please visit [www.S-5.com](http://www.S-5.com) for more information including CAD details, metallurgical compatibilities and specifications.

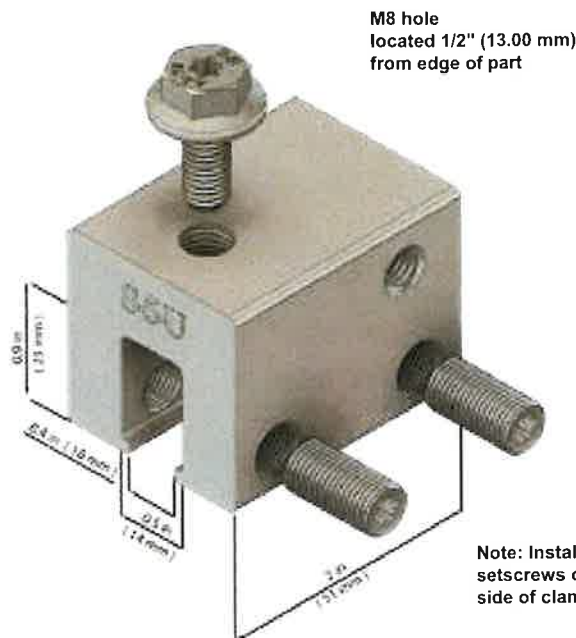
The S-5-U clamp has been tested for load-to-failure results on most major brands and profiles of standing seam roofing. The independent lab test data found at [www.S-5.com](http://www.S-5.com) can be used for load-critical designs and applications. S-5!® holding strength is unmatched in the industry.

## Example Profiles



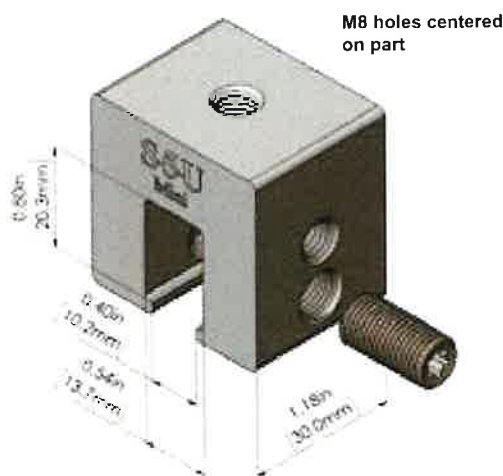
For horizontal seams under 0.65", do not use this clamp. Visit [www.S-5.com](http://www.S-5.com) for more detailed information and proper clamp usage.

## S-5-U™ Clamp



Note: Install both setscrews on same side of clamp.

## S-5-U Mini Clamp



Please note: All measurements are rounded to the second decimal place.

### S-5!® Warning! Please use this product responsibly!

Products are protected by multiple U.S. and foreign patents. Visit the website at [www.S-5.com](http://www.S-5.com) for complete information on patents and trademarks. For maximum holding strength, setscrews should be tensioned and re-tensioned as the seam material compresses. Clamp setscrew tension should be verified using a calibrated torque wrench between 160 and 180 inch pounds when used on 22ga steel, and between 130 and 150 inch pounds for all other metals and thinner gauges of steel. Consult the S-5! website at [www.S-5.com](http://www.S-5.com) for published data regarding holding strength.

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Distributed by



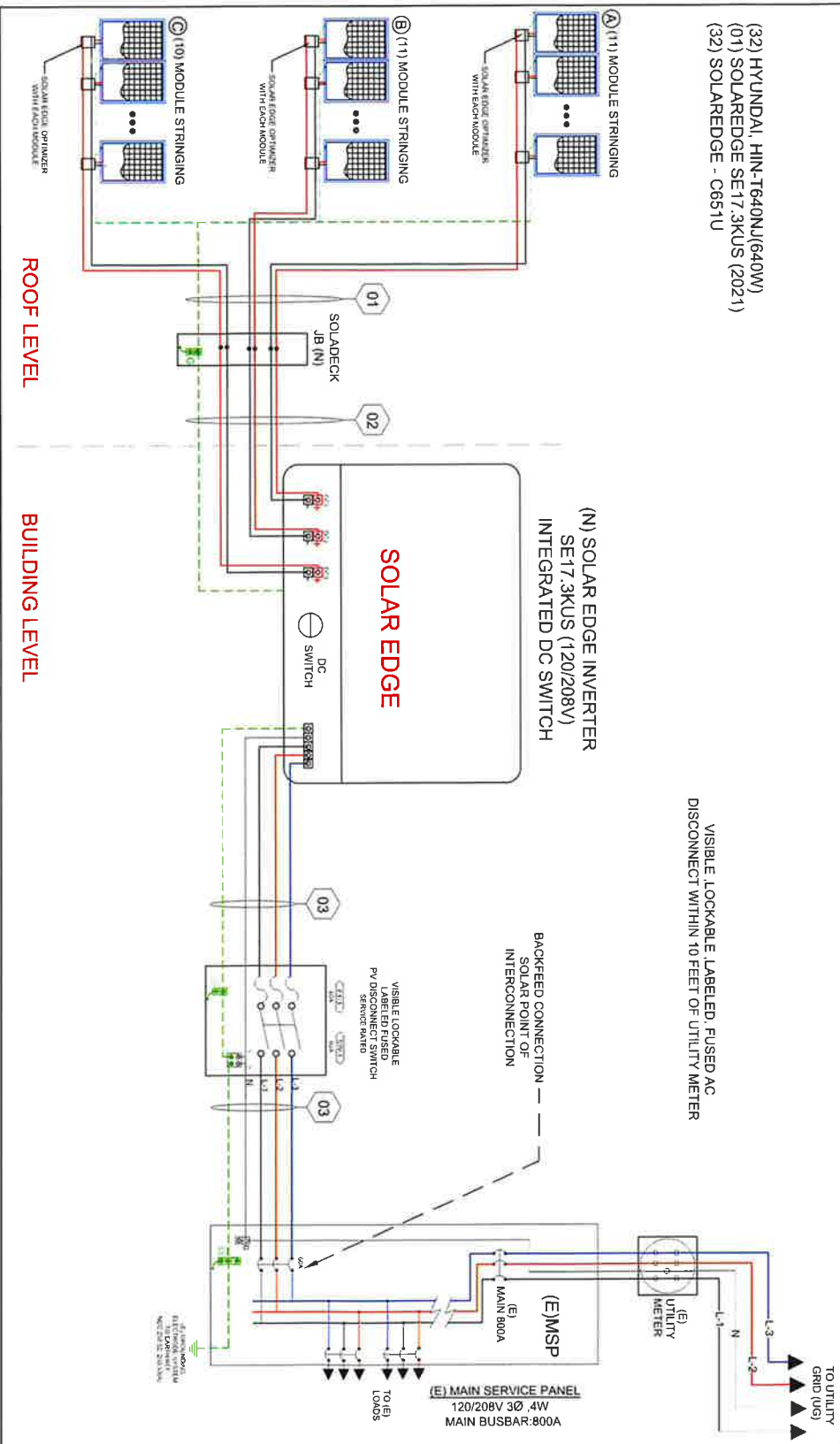




ID	CONDUCTOR	CONDUIT (EMT/FMT/PVC/RMC)	CURRENT CARRYING CONDUCTORS IN CONDUIT + EGC	OCPD	EGC	CONT. CURRENT	MAX CURRENT (125%)	Term. Temp Rating	AMP @ TERMINAL
01	10AWG THWN-2,COPPER	3/4" DIA	6 + 1	N/A	6AWG BARE COPPER	20.0A	25.0A	75°C	35A
02	10AWG THWN-2,COPPER	3/4" DIA	6 + 1	N/A	06AWG THWN-2,COPPER	20.0A	25.0A	75°C	35A
03	06AWG THWN-2,COPPER	1" DIA	4 + 1	60A	06AWG THWN-2,COPPER	48.25A	60.31A	75°C	65A

ID	CONDUCTOR	CONDUIT (EMT/FMT/PVC/RMC)	CURRENT CARRYING CONDUCTORS IN CONDUIT + EGC	OCPD	EGC	CONT. CURRENT	MAX CURRENT (125%)	Term. Temp Rating	AMP @ TERMINAL
01	10AWG THWN-2,COPPER	3/4" DIA	6 + 1	N/A	6AWG BARE COPPER	20.0A	25.0A	75°C	35A
02	10AWG THWN-2,COPPER	3/4" DIA	6 + 1	N/A	06AWG THWN-2,COPPER	20.0A	25.0A	75°C	35A
03	06AWG THWN-2,COPPER	1" DIA	4 + 1	60A	06AWG THWN-2,COPPER	48.25A	60.31A	75°C	65A

VISIBLE, LOCKABLE, LABELED, FUSED AC  
DISCONNECT WITHIN 10 FEET OF UTILITY METER



**E-601  
SHEET-5**

# 20.48kW system Police Sector East, 4385 Clearwater Way, Lexington, KY 40515

### Report

**Project Name** Police Sector East

**Project Description** RFP #44-2025 20kW to 25kW system

**Project Address** 4385 Clearwater Way, Lexington, KY 40515

**Prepared By** John Mason  
energy@calhounconstructs.com

### System Metrics

**Design** 20.48kW system

**Module DC Nameplate** 20.48 kW

**Inverter AC Nameplate** 17.30 kW  
Load Ratio: 1.18

**Annual Production** 28.48 MWh

**Performance Ratio** 84.1%

**kWh/kWp** 1,390.6

**Weather Dataset** TMY, 10km Grid (37.95,-84.45), NREL (prospector)

**Simulator Version** 3c26a40702-7724d14199-feddbcf51a-f480ce9d0f

### Project Location

### Monthly Production

Month	GHI (kWh/m²)	POA (kWh/m²)	Shaded (kWh/m²)	Nameplate (kWh)	Grid (kWh)
January	63.4	83.6	83.6	1,610.6	1,541.6
February	82.3	102.1	102.0	1,972.1	1,857.9
March	116.3	131.9	131.9	2,560.8	2,332.1
April	143.8	153.2	153.2	2,983.5	2,632.0
May	183.5	187.3	187.3	3,645.5	3,168.4
June	187.5	185.9	185.9	3,616.9	3,115.7
July	181.0	181.6	181.6	3,531.7	3,033.4
August	173.1	182.0	182.0	3,545.6	3,030.6
September	134.3	150.2	150.2	2,922.8	2,533.0
October	107.5	129.6	129.6	2,516.1	2,236.1
November	71.4	92.4	92.3	1,784.5	1,658.4
December	54.4	73.0	73.0	1,404.1	1,339.5

### Sources of System Loss

⚡ Annual Production			
	Description	Output	% Delta
Irradiance (kWh/m <sup>2</sup> )	Annual Global Horizontal Irradiance	1,498.3	
	POA Irradiance	1,652.8	10.3%
	Shaded Irradiance	1,652.6	0.0%
	Irradiance after Reflection	1,598.7	-3.3%
	Irradiance after Soiling	1,566.7	-2.0%
	<b>Total Collector Irradiance</b>	<b>1,566.7</b>	<b>0.0%</b>
Energy (kWh)	Nameplate	32,094.3	
	Output at Irradiance Levels	31,878.0	-0.7%
	Output at Cell Temperature Derate	29,724.8	-6.8%
	Output after Electrical Mismatch	29,724.8	0.0%
	Optimizer Output	29,367.9	-1.2%
	Optimal DC Output	29,258.4	-0.4%
	Constrained DC Output	29,254.3	0.0%
	Inverter Output	28,522.9	-2.5%
	<b>Energy to Grid</b>	<b>28,478.7</b>	<b>-0.2%</b>
Temperature Metrics			
	Avg. Operating Ambient Temp	15.0 °C	
	Avg. Operating Cell Temp	31.8 °C	
Simulation Metrics			
	Operating Hours	4668	
	Solved Hours	4668	

☁ Condition Set												
Description	Condition Set 1											
Weather Dataset	TMY, 10km Grid (37.95,-84.45), 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								
Soiling (%)	Carport	-3.56	-0.075	3°C								
	J	F	M	A	M	J	J	A	S	O	N	D
	2	2	2	2	2	2	2	2	2	2	2	2
Albedo	J	F	M	A	M	J	J	A	S	O	N	D
	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Rear Mismatch Loss	5%											
	Rear Shading Factor 5%											
Module Transparency	25%											
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				Bifacial
	Module	HiN-T640NJ (Hyundai)						Spec Sheet Characterization, PAN				True
	Inverter	SE17.3KUS (2021) (SolarEdge)						Spec Sheet				N/A
	Buck Boost Optimizer	C651U (for NA use only) (SolarEdge)						Mfg Spec Sheet				N/A

### Components

Component	Name	Count
Inverters	SE17.3KUS (2021) (SolarEdge)	1 (17.30 kW)
AC Home Runs	6 AWG (Aluminum)	1 (39.2 ft)
Strings	10 AWG (Copper)	3 (522.2 ft)
Optimizers	C651U (for NA use only) (SolarEdge)	32 (20.80 kW)
Module	Hyundai, HiN-T640Nj (640W)	32 (20.48 kW)

### Wiring Zones

Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	1	9-13	Along Racking

### Field Segments

Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Flush Mount	Portrait (Vertical)	18.4°	155.5°	2.0 ft	2x2	32	32	20.48 kW



Detailed Layout2





## LFUCG Police Station - 20.48kW DC

LFUCG Police Station

4385 Clearwater Way -  
Lexington KY 40515

(859) 425-2879  
[jbush@lexingtonky.gov](mailto:jbush@lexingtonky.gov)

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# 1 SOLAR LAYOUT



**Prepared By:** Dylan Jarrell

**P:** (812) 570-8596, **E:** [energy@calhounconstructs.com](mailto:energy@calhounconstructs.com)



## 2 PROJECT SUMMARY

Payment Options	Cash Purchase w/ O&M
Total Payments	\$54,067
Total Incentives	\$16,220
Net Payments	\$37,847
Payback Period	12.0 Years
IRR (20 Year)	6.0%
NPV (20 Year)	\$3,848

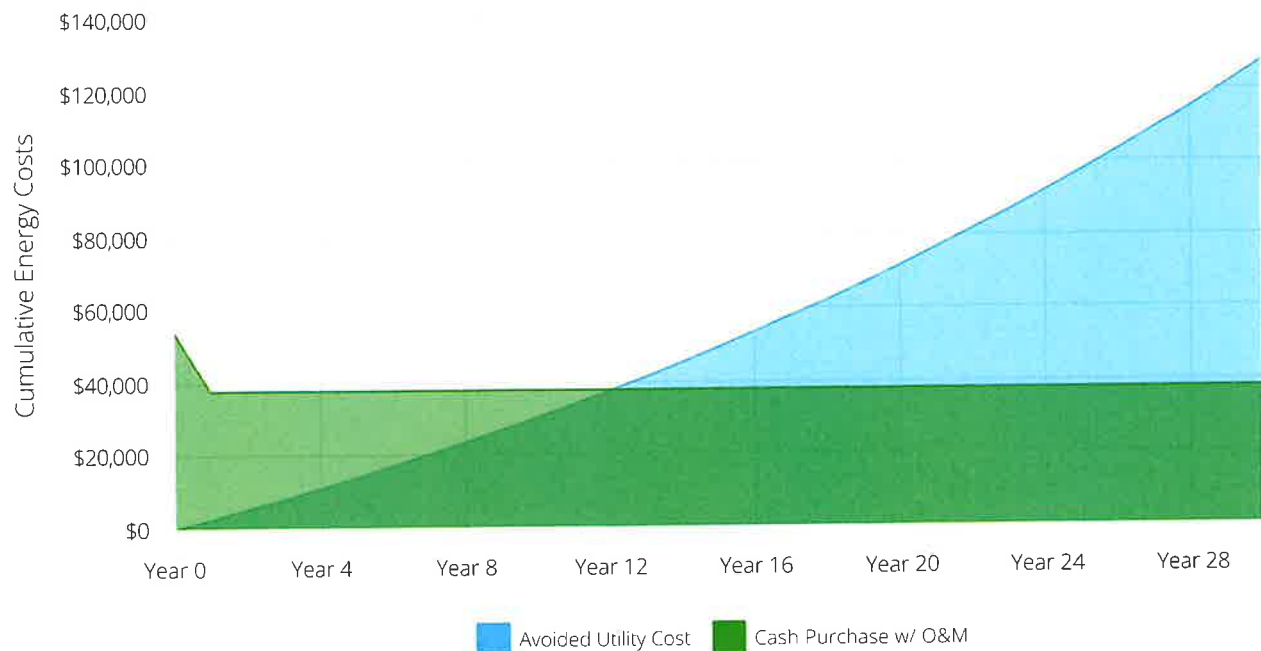
### COMBINED SOLAR PV RATING

Power Rating: 20,480 W-DC  
Power Rating: 18,992 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: Main Meter  
Address: 4385 Clearwater Way Lexington KY 40515

## SOLAR PV EQUIPMENT DESCRIPTION

Solar Panels: (32) Hyundai HiN-T640NJ  
Inverters: (1) SolarEdge SE17.3KUS (2021)

## SOLAR PV EQUIPMENT TYPICAL LIFESPAN

Solar Panels: Greater than 30 Years  
Inverters: 20 Years

### Solar PV System Cost and Incentives

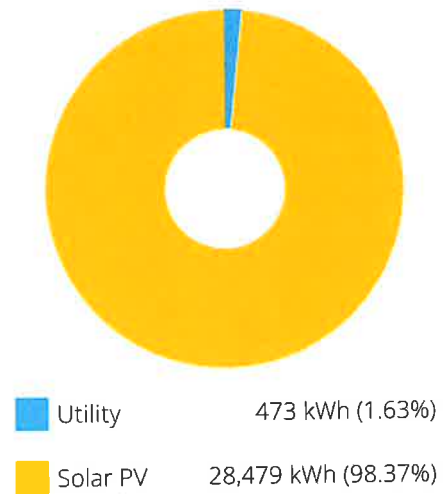
Solar PV System Cost	\$54,067
Direct pay - 30% ITC	-\$16,220
<b>Net Solar PV System Cost</b>	<b>\$37,847</b>

## SOLAR PV SYSTEM RATING

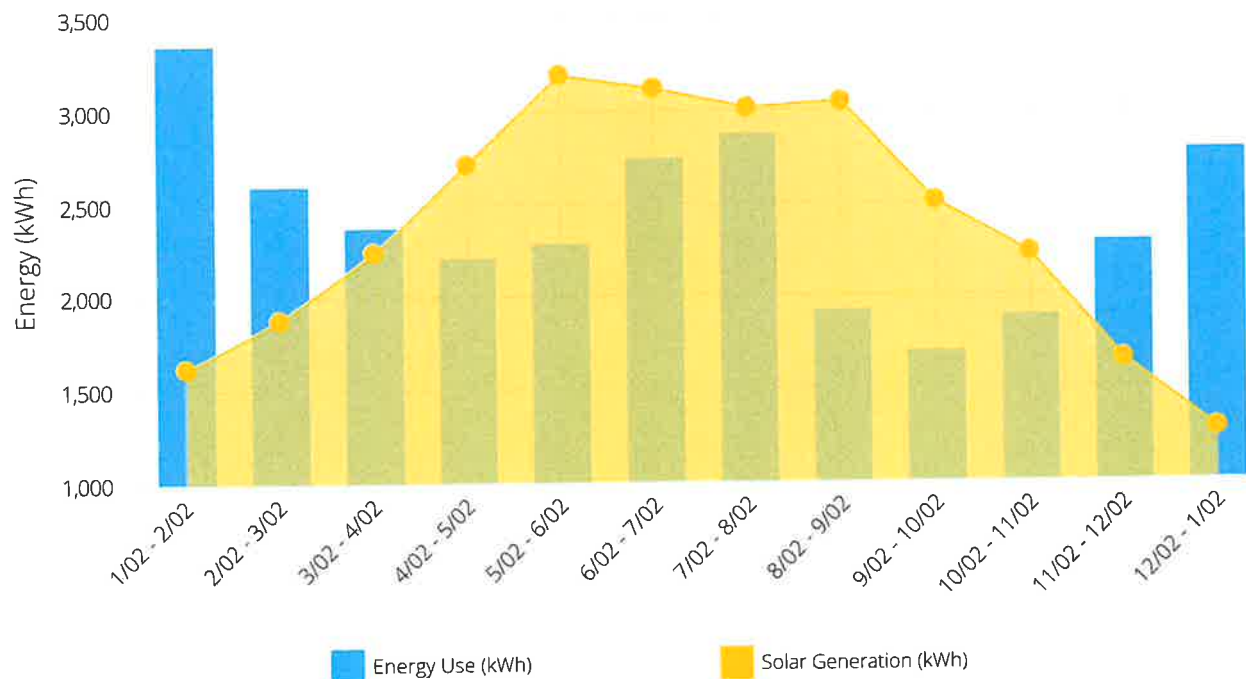
Power Rating: 20,480 W-DC  
Power Rating: 18,992 W-AC-CEC

## ENERGY CONSUMPTION MIX

Annual Energy Use: 28,952 kWh



## MONTHLY ENERGY USE VS SOLAR GENERATION



## 3.1.2 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%**

Entities that qualify for direct pay are eligible to receive a 30% direct payment, assuming they meet the established prevailing wage and apprenticeship requirements in order to qualify for the full 30% “increased rate”, rather than a 6% “base rate”.

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.

Total Incentive Value: \$16,220

### 3.1.3 UTILITY RATES

The table below shows the rates associated with your current utility rate schedule (GS). Your estimated electric bills after solar are shown on the following page.

Customer Charges				Energy Charges			
Season	Charge Type	Rate Type	GS	Season	Charge Type	Rate Type	GS
S1	Flat Rate	per day	\$2.16	S1	Flat Rate	Import	\$0.12798



## 3.1.4 CURRENT ELECTRIC BILL

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

### RATE SCHEDULE: KUC - GS

Time Periods	Energy Use (kWh)	Charges		
Bill Ranges & Seasons	Total	Other	Energy	Total
1/2/2025 - 2/2/2025 S1	3,351	\$67	\$429	\$496
2/2/2025 - 3/2/2025 S1	2,589	\$61	\$331	\$392
3/2/2025 - 4/2/2025 S1	2,365	\$67	\$303	\$370
4/2/2025 - 5/2/2025 S1	2,204	\$65	\$282	\$347
5/2/2025 - 6/2/2025 S1	2,285	\$67	\$292	\$359
6/2/2025 - 7/2/2025 S1	2,745	\$65	\$351	\$416
7/2/2025 - 8/2/2025 S1	2,869	\$67	\$367	\$434
8/2/2025 - 9/2/2025 S1	1,916	\$67	\$245	\$312
9/2/2025 - 10/2/2025 S1	1,695	\$65	\$217	\$282
10/2/2025 - 11/2/2025 S1	1,883	\$67	\$241	\$308
11/2/2024 - 12/2/2024 S1	2,279	\$65	\$292	\$357
12/2/2024 - 1/2/2025 S1	2,771	\$67	\$355	\$422
Total	28,952	\$789	\$3,705	\$4,495

## 3.1.5 NEW ELECTRIC BILL

### RATE SCHEDULE: KUC - GS

Time Periods	Energy Use (kWh)	Charges		
Bill Ranges & Seasons	Total	Other	Energy	Total
1/2/2025 - 2/2/2025 S1	1,732	\$67	\$265	\$332
2/2/2025 - 3/2/2025 S1	710	\$61	\$153	\$213
3/2/2025 - 4/2/2025 S1	125	\$67	\$96	\$163
4/2/2025 - 5/2/2025 S1	-510	\$65	\$37	\$102
5/2/2025 - 6/2/2025 S1	-904	\$67	\$5	\$72
6/2/2025 - 7/2/2025 S1	-371	\$65	\$53	\$118
7/2/2025 - 8/2/2025 S1	-143	\$67	\$74	\$141
8/2/2025 - 9/2/2025 S1	-1,130	\$67	\$24	\$43
9/2/2025 - 10/2/2025 S1	-811	\$65	\$4	\$61
10/2/2025 - 11/2/2025 S1	-343	\$67	\$44	\$111
11/2/2024 - 12/2/2024 S1	626	\$65	\$135	\$200
12/2/2024 - 1/2/2025 S1	1,492	\$67	\$227	\$294
Total	473	\$789	\$1,063	\$1,852

ANNUAL ELECTRICITY SAVINGS: \$2,643

## 4.1 Cash Purchase w/ O&M

### Assumptions and Key Financial Metrics

Discount Rate	5.0%	Federal Tax Rate	0.0%	State Tax Rate	0.0%
Average Annual Utility Escalation	3.5%	PV Generation (kWh/kW-DC)	1,391 kWh/kW-DC	Average PV Degradation Rate	0.40%
Average ESS Degradation Rate	0.00%	O&M Cost per Watt DC	\$0 /W-DC		

Years	Project Costs	Electric Bill Savings	Direct pay - 30% ITC	Total Cash Flow	Cumulative Cash Flow
Upfront	-\$54,067	-	-	-\$54,067	-\$54,067
1	-	\$2,643	\$16,220	\$18,863	-\$35,204
2	-	\$2,724	-	\$2,724	-\$32,480
3	-	\$2,808	-	\$2,808	-\$29,672
4	-	\$2,895	-	\$2,895	-\$26,777
5	-	\$2,984	-	\$2,984	-\$23,793
6	-	\$3,076	-	\$3,076	-\$20,717
7	-	\$3,171	-	\$3,171	-\$17,546
8	-	\$3,268	-	\$3,268	-\$14,278
9	-	\$3,369	-	\$3,369	-\$10,910
10	-	\$3,472	-	\$3,472	-\$7,438
11	-	\$3,579	-	\$3,579	-\$3,859
12	-	\$3,689	-	\$3,689	-\$170
13	-	\$3,802	-	\$3,802	\$3,631
14	-	\$3,918	-	\$3,918	\$7,549
15	-	\$4,038	-	\$4,038	\$11,588
16	-	\$4,162	-	\$4,162	\$15,749
17	-	\$4,289	-	\$4,289	\$20,039
18	-	\$4,420	-	\$4,420	\$24,459
19	-	\$4,555	-	\$4,555	\$29,014
20	-	\$4,694	-	\$4,694	\$33,709
21	-	\$4,838	-	\$4,838	\$38,547
22	-	\$4,985	-	\$4,985	\$43,532
23	-	\$5,137	-	\$5,137	\$48,669
24	-	\$5,294	-	\$5,294	\$53,963
25	-	\$5,455	-	\$5,455	\$59,418
26	-	\$5,621	-	\$5,621	\$65,039
27	-	\$5,792	-	\$5,792	\$70,830
28	-	\$5,968	-	\$5,968	\$76,798
29	-	\$6,149	-	\$6,149	\$82,947
30	-	\$6,335	-	\$6,335	\$89,282
Totals:	-\$54,067	\$127,129	\$16,220	\$89,282	-

## 5.1 Cash Purchase w/ O&M

### Assumptions and Key Financial Metrics

Discount Rate	5.0%	Federal Tax Rate	0.0%	State Tax Rate	0.0%
Average Annual Utility Escalation	3.5%	PV Generation (kWh/kW-DC)	1,391 kWh/kW-DC	Average PV Degradation Rate	0.40%
Average ESS Degradation Rate	0.00%	O&M Cost per Watt DC	\$0 /W-DC		

Years	Upfront	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Cash</b>															
Project Costs	-\$54,067														
Electric Bill Savings		\$2,643	\$2,724	\$2,808	\$2,895	\$2,984	\$3,076	\$3,171	\$3,268	\$3,369	\$3,472	\$3,579	\$3,689	\$3,802	\$3,918
Direct pay - 30% ITC		\$16,220													
<b>Cash Total</b>	-\$54,067	\$18,863	\$2,724	\$2,808	\$2,895	\$2,984	\$3,076	\$3,171	\$3,268	\$3,369	\$3,472	\$3,579	\$3,689	\$3,802	\$3,918
<b>Total Cash Flow</b>	-\$54,067	\$18,863	\$2,724	\$2,808	\$2,895	\$2,984	\$3,076	\$3,171	\$3,268	\$3,369	\$3,472	\$3,579	\$3,689	\$3,802	\$3,918
<b>Cumulative Cash Flow</b>	-\$54,067	-\$35,204	-\$32,480	-\$29,672	-\$26,777	-\$23,793	-\$20,717	-\$17,546	-\$14,278	-\$10,910	-\$7,438	-\$3,859	-\$170	\$3,631	\$7,549





## 5.1 Cash Purchase w/ O&M

### Assumptions and Key Financial Metrics

Discount Rate	5.0%	Federal Tax Rate	0.0%	State Tax Rate	0.0%
Average Annual Utility Escalation	3.5%	PV Generation (kWh/kW-DC)	1,391 kWh/kW-DC	Average PV Degradation Rate	0.40%
Average ESS Degradation Rate	0.00%	O&M Cost per Watt DC	\$0 /W-DC		

Years	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
<b>Cash</b>															
Project Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	\$4,038	\$4,162	\$4,289	\$4,420	\$4,555	\$4,694	\$4,838	\$4,985	\$5,137	\$5,294	\$5,455	\$5,621	\$5,792	\$5,968	\$6,149
Direct pay - 30% ITC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Cash Total</b>	\$4,038	\$4,162	\$4,289	\$4,420	\$4,555	\$4,694	\$4,838	\$4,985	\$5,137	\$5,294	\$5,455	\$5,621	\$5,792	\$5,968	\$6,149
<b>Total Cash Flow</b>	\$4,038	\$4,162	\$4,289	\$4,420	\$4,555	\$4,694	\$4,838	\$4,985	\$5,137	\$5,294	\$5,455	\$5,621	\$5,792	\$5,968	\$6,149
<b>Cumulative Cash Flow</b>	\$11,588	\$15,749	\$20,039	\$24,459	\$29,014	\$33,709	\$38,547	\$43,532	\$48,669	\$53,963	\$59,418	\$65,039	\$70,830	\$76,798	\$82,947



## 5.1 Cash Purchase w/ O&M

### Assumptions and Key Financial Metrics

Discount Rate	5.0%	Federal Tax Rate	0.0%	State Tax Rate	0.0%
Average Annual Utility Escalation	3.5%	PV Generation (kWh/kW-DC)	1,391 kWh/kW-DC	Average PV Degradation Rate	0.40%
Average ESS Degradation Rate	0.00%	O&M Cost per Watt DC	\$0 /W-DC		

Years	30	Totals
<b>Cash</b>		
Project Costs	-	-\$54,067
Electric Bill Savings	\$6,335	\$127,129
Direct pay - 30% ITC	-	\$16,220
<b>Cash Total</b>	\$6,335	\$89,282
<b>Total Cash Flow</b>	\$6,335	\$89,282
<b>Cumulative Cash Flow</b>	\$89,282	-



# 6 ADDITIONAL DETAILS

## 6.1 ASSUMPTIONS

- Non-prevailing wages, no Union hire/labor requirements, no special wage considerations
- The system will be designed for standard wind zone conditions
- No ADA requirements or provisions must be considered
- Pricing is based on direct path site-work
- Aluminum wires where applicable and acceptable per NEC
- Owner recognizes that changes to the design for convenience or aesthetic purposes which increase construction costs will be eligible for pricing adjustments and change order
- All work including interconnection can be accomplished according to standards set forth in current NEC
- Adequate space on site for storage of materials, employee restrooms and material deliveries needed to work
- PVC and EMT conduit where applicable and acceptable per NEC
- Direct burial where applicable and acceptable per NEC
- Standard seismic conditions exist at the installation location. Specially designed seismic work will be considered extra work
- Civil site plans provided by the Owner will be accurate in regards to underground hazards, obstructions, or utilities
- All electrical equipment meets current code standards or system requirements
- No drainage lines to be crossed by underground electric lines
- The work will be done in one phase with constant access to site during normal business hours
- All work is to be done on straight time during regular hours
- No major delays by rain. In case of major delays the schedule will be adjusted accordingly.
- The material will arrive onsite as to not delay the completion of the project. In case of delays the schedule will be adjusted accordingly.

## 6.2 EXCLUSIONS

- U.L. relisting and/or any necessary upgrades to pre-existing client or Utility-owned electrical equipment, if required
- Permit Fees and Utility Interconnection Fees, which are to be billed to customer at cost
- Roofing rehabilitation work, if required
- Materials and labor required to waterproof solar penetrations. (Any waterproofing work required to maintain the roof warranty must be performed by the roof warranty holder.)
- Structural reinforcement work, if required
- Caving or heaving soils, presence of cobbles or boulders, or impingement of high water table on foundation
- Modification to parking lots, driveways, etc., if applicable
- Permanent security system
  - ◊ Including but not limited to fences, gates, etc.
- Reports / Documentation
  - ◊ Environmental Impact
- Negative Declaration
- Storm Water Management
- Conditional Use
- Removal and trimming of trees and other vegetation



## 6.3 CLARIFICATIONS

- This presentation is for illustration and discussion purposes only. It is not intended to, nor should it be construed as, investment, tax, or legal advice. Individuals or entities considering this project are strongly encouraged to consult with their own financial advisor, legal counsel, and accountant to address any tax, legal, or related matters pertaining to this proposal.
- Certain information in this presentation has been provided by third-party sources. While it is believed to be reliable, it has not been independently verified, and its accuracy or completeness cannot be guaranteed. The projections provided herein are based on the assumptions described and were prepared to the best of our actual knowledge. However, no assurances can be given that these assumptions will prove accurate over time. Actual results may differ materially from these projections, and there can be significant variations between hypothetical outcomes and the actual results achieved.
- The information presented herein is subject to change without notice. Any projections, forecasts, or estimates are based on current data and assumptions, which may evolve over time due to market conditions, regulatory changes, technological advancements, or other unforeseen factors.

## 7 ENVIRONMENTAL BENEFITS

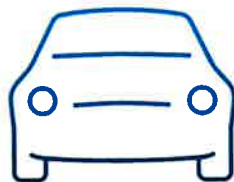


OVER THE NEXT 20 YEARS, YOUR SYSTEM WILL DO MORE THAN JUST SAVE YOU MONEY. ACCORDING TO THE EPA'S GREENHOUSE GAS EQUIVALENCIES CALCULATOR ([SOURCE](#)), YOUR SOLAR PV SYSTEM WILL HAVE THE IMPACT OF REDUCING:



446

tons of CO2 Offset



1,014,469

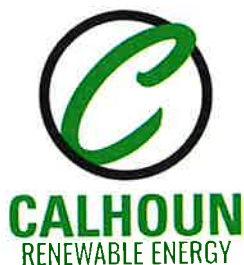
Miles Driven By Cars



6,693

Trees Planted

# Price Proposal



**RFP 44-2025 Price Proposal Form**  
**Solar PV Installation**

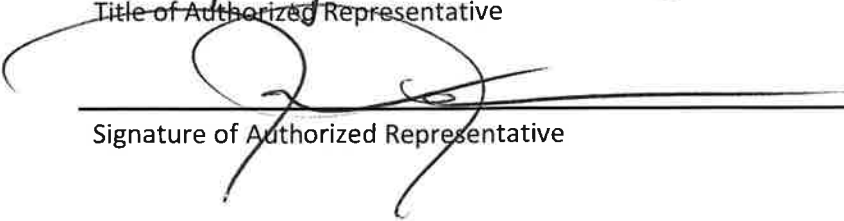
<b>4385 Clearwater Way, Police Sector East</b>	
Array Modules	\$ 9067
Inverter(s) & Monitoring System	\$ 9000
Electrical & Wiring Materials	\$ 7000
Racking & Ballast Materials	\$ 2000
Labor	\$ 16000
Other w/ Description <i>General Conditions</i>	\$ 6000
Owner Allowance (mandatory)	\$2,000
<b>TOTAL</b>	<b>\$ 56,067</b>

Jason Johnson

Printed Name of Authorized Representative

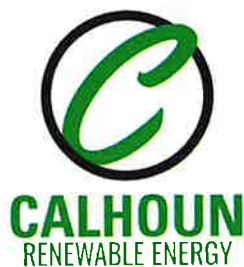
Project Manager

Title of Authorized Representative

  
Signature of Authorized Representative



# Signed Documents





# Lexington-Fayette Urban County Government

## Request for Proposals

---

The Lexington-Fayette Urban County Government hereby requests proposals for **RFP #44-2025 Solar PV Installation at Police Sector East** to be provided in accordance with terms, conditions and specifications established herein.

Sealed proposals will be received through Ion Wave until **2:00 PM**, prevailing local time, on **December 9, 2025**. All forms and information requested in RFP must be included and attached in Response Attachments tab in Ion Wave.

Proposals received after the date and time set for opening proposals will not be accepted. It is the sole responsibility of the Proposer to assure that his/her proposal is submitted in Ion Wave before the date and time set for opening proposals.

Proposals, once submitted, may not be withdrawn for a period of ninety (90) calendar days.

The Lexington-Fayette Urban County Government reserves the right to reject any or all proposals, and to waive technicalities and informalities when such waiver is determined by the Lexington-Fayette Urban County Government to be in its best interest.

Signature of this proposal by the Proposer constitutes acceptance by the Proposer of terms, conditions and requirements set forth herein.

Minor exceptions may not eliminate the proposal. Any exceptions to the specifications established herein shall be listed in detail on a separate sheet and attached hereto. The Lexington-Fayette Urban County Government shall determine whether any exception is minor.

The Lexington-Fayette Urban County Government encourages the participation of minority- and women-owned businesses in Lexington-Fayette Urban County Government contracts. This proposal is subject to Affirmative Action requirements attached hereto.

***Please do not contact any LFUCG staff member or any other person involved in the selection process other than the designated contact person(s) regarding the project contemplated under this RFP while this RFP is open and a selection has not been finalized. Any attempt to do so may result in disqualification of the firm's submittal for consideration.***

## **Laws and Regulations**

All applicable state laws, municipal ordinances and regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.

## **Equal Employment Opportunity**

The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.

## **Kentucky Equal Employment Opportunity Act**

The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any "county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

"During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, or national origin;
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, or national origin;
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provision of the nondiscrimination clauses required by this section; and
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers'

representative of the contractor's commitments under the nondiscrimination clauses."

The Act further provides:

"KRS 45.610. Hiring minorities -- Information required

(1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetables.

(2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.

KRS 45.620. Action against contractor -- Hiring of minority contractor or subcontractor

(1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.

(2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.

(3) The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.

KRS 45.630 Termination of existing employee not required, when



Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that employee was employed prior to the date of the contract.

#### KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job."

It is recommended that all of the provisions above quoted be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his workforce in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

#### **LFUCG Non-Appropriation Clause**

Contractor acknowledges that the LFUCG is a governmental entity, and the contract validity is based upon the availability of public funding under the authority of its statutory mandate.

In the event that public funds are unavailable and not appropriated for the performance of the LFUCG's obligations under this contract, then this contract shall automatically expire without penalty to the LFUCG thirty (30) days after written notice to Contractor of the unavailability and non-appropriation of public funds. It is expressly agreed that the LFUCG shall not activate this non-appropriation provision for its convenience or to circumvent the requirements of this contract, but only as an emergency fiscal measure during a substantial fiscal crisis, which affects generally its governmental operations.

In the event of a change in the LFUCG's statutory authority, mandate and mandated functions, by state and federal legislative or regulatory action, which adversely affects the LFUCG's authority to continue its obligations under this contract, then this contract shall automatically terminate without penalty to the LFUCG upon written notice to Contractor of such limitation or change in the LFUCG's legal authority.

#### **Contention Process**

Vendors who respond to this invitation have the right to file a notice of contention associated with the RFP process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the RFP process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2)

submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the RFP process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with RFP processes. If, based on this review, a RFP process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a RFP recommendation must be filed within 3 business days of the RFP recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

#### **SELECTION CRITERIA:**

The LFUCG's Selection Committee shall consider the following factors when it evaluates the proposals received:

- |                                 |           |
|---------------------------------|-----------|
| 1. Company Profile / Experience | 15 points |
| 2. Project Team                 | 15 points |
| 3. Technical Approach           | 30 points |
| 4. Price Proposal               | 40 points |

Proposals shall contain the appropriate information necessary to evaluate based on these criteria. A committee composed of government employees as well as representatives of relevant user groups will evaluate the proposals.

**Questions regarding this RFP shall be addressed through:**  
**<https://lexingtonky.ionwave.net>**

## Affirmative Action Plan

All vendors must submit as a part of the proposal package the following items to the Urban County Government:

1. Affirmative Action Plan for his/her firm;
2. Current Work Force Analysis Form;

Failure to submit these items as required may result in disqualification of the submitter from award of the contract

## **AFFIDAVIT**


Comes the Affiant, Kurt Meadors, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Kurt Meadors and he/she is the individual submitting the proposal or is the authorized representative of Calhoun Construction Services, Inc., the entity submitting the proposal (hereinafter referred to as "Proposer").
2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.
6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

**Continued on next page**

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

  
\_\_\_\_\_  
STATE OF KY  
\_\_\_\_\_  
COUNTY OF Jefferson  
\_\_\_\_\_

The foregoing instrument was subscribed, sworn to and acknowledged before me  
by Kurt Meadors on this the 8<sup>th</sup> day  
of December, 2025.

My Commission expires: 9-16-2027

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE AT LARGE





## EQUAL OPPORTUNITY AGREEMENT

### Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

### The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

*The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.*

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

*The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

\*\*\*\*\*

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination

in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

*I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.*

  
\_\_\_\_\_  
Signature

Calhoun Construction Services, Inc.  
\_\_\_\_\_  
Name of Business

# WORKFORCE ANALYSIS FORM

Name of Organization: Calhoun Construction Services

Categories	Total	White (Not Hispanic or Latino)		Hispanic or Latino		Black or African- American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Administrators		23	19	1	2	0	0	0	0	0	0	0	0	0	0	0	0
Professionals		65	5	1	1	1	0	0	0	1	0	0	0	0	0		
Superintendents																	
Supervisors																	
Foremen																	
Technicians																	
Protective Service																	
Para-Professionals																	
Office/Clerical																	
Skilled Craft		20	0	22	0	0	0	0	0	0	0	1	0	0	0	0	0
Service/Maintenance																	
Total:																	

Prepared by: Ashley Raikes, HR Manager Date: 11/25/25  
 (Name and Title)

Revised 2015-Dec-15

**DIRECTOR, DIVISION OF PROCUREMENT  
LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT  
200 EAST MAIN STREET  
LEXINGTON, KENTUCKY 40507**

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL  
EMPLOYMENT OPPORTUNITIES AND DBE CONTRACT PARTICIPATION**

The Lexington-Fayette Urban County Government has a Certified Minority and Women Business Enterprise seventeen percent (17%) minimum goal including minimum subgoals of five percent (5%) for Minority Business Enterprises (MBE) and a subgoal of twelve percent (12%) for Women Business Enterprises (WBE); a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and/or Certified Service- Disabled Veteran Owned Businesses; and a goal of utilizing Disadvantaged Business Enterprises (DBE), where applicable, for government contracts.

For assistance in locating certified DBEs, MBEs, WBEs, VOSBs and/or VOSBs, contact Sherita Miller at 859/258-3320 or by writing the address listed below:

Sherita Miller, MPA, CPSD  
Minority Business Enterprise Liaison  
Division of Procurement  
Lexington-Fayette Urban County Government  
200 East Main Street  
Lexington, Kentucky 40507  
[smiller@lexingtonky.gov](mailto:smiller@lexingtonky.gov)  
859-258-3323

Firm Submitting Proposal: Calhoun Construction Services

Complete Address: 1703 S. Brook St. Louisville 40201  
Street City Zip

Contact Name: Jason Johnson Title: Project Manager

Telephone Number: 850 450 7650 Fax Number: \_\_\_\_\_

Email address: jason.johnson@calhounconstructs.com





**LEXINGTON**

**MINORITY BUSINESS ENTERPRISE PROGRAM**

Sherita Miller, MPA, CPSD  
Minority Business Enterprise Liaison  
Division of Procurement  
Lexington-Fayette Urban County Government  
200 East Main Street  
Lexington, KY 40507  
[smiller@lexingtonky.gov](mailto:smiller@lexingtonky.gov)  
859-258-3323

**OUR MISSION:** The mission of the Minority Business Enterprise Program (MBEP) is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long- term economic viability of Lexington-Fayette Urban County Government.

To that end the urban county council adopted and implemented Resolution 272-2024 – a Certified Minority and Women Business Enterprise seventeen percent (17%) minimum goal including minimum subgoals of five percent (5%) for Minority Business Enterprises (MBE) and a subgoal of twelve percent (12%) for Women Business Enterprises (WBE); a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and/or Certified Service- Disabled Veteran Owned Businesses; and a goal of utilizing Disadvantaged Business Enterprises (DBE), where applicable, for government contracts.

The resolution states the following definitions shall be used for the purposes of reaching these goals:

***Certified Disadvantaged Business Enterprise (DBE)*** – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a person(s) who is socially and economically disadvantaged as define by 49 CFR subpart 26.

***Certified Minority Business Enterprise (MBE)*** – a business in which at least fifty-one percent (51%) is owned, managed and controlled by an ethnic minority (i.e. Black American, Asian American, Hispanic American, Native American)

***Certified Women Business Enterprise (WBE)*** – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a woman.

***Certified Veteran-Owned Small Business (VOSB)*** – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

***Certified Service-Disabled Veteran Owned Small Business (SDVOSB)*** – a business in which at least fifty-one percent (51%) is owned, managed and controlled by a disabled veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.

The term “Certified” shall mean the business is appropriately certified, licensed, verified, or validated by an organization or entity recognized by the Division of Procurement as having the appropriate credentials to make a determination as to the status of the business.

The following certifications are recognized and accepted by the MBEP:

Kentucky Transportation Cabinet (KYTC), Disadvantaged Business Enterprise (DBE)  
Kentucky Minority and Women Business Enterprise (MWBE)  
Women’s Business Enterprise National Council (WBENC)  
National Women Business Owners Corporation (NWBOC)  
National Minority Supplier Development Council (NMSDC)  
Tri-State Minority Supplier Development Council (TSMSSDC)  
U.S. Small Business Administration Veteran Small Business Certification (VetCert)  
Kentucky Service- Disabled Veteran Owned Small Business (SDVOSB)

To comply with Resolution 272-2024, prime contractors, minority and women business enterprises, veteran owned small businesses, and service-disabled veteran owned small businesses must complete monthly contract compliance audits in the Diverse Business Management Compliance system, <https://lexingtonky.diversitycompliance.com/>

A list of organizations that certify and/or maintain lists of certified businesses (i.e. DBE, MBE, WBE, VOSB and/or SDVOSB) is available upon request by emailing, Sherita Miller, [smiller@lexingtonky.gov](mailto:smiller@lexingtonky.gov).



# LEXINGTON

## LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 44-2025


The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to the Division of Procurement for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWBE Company, Name, Address, Phone, Email	DBE/MBE WBE/VOSB/SDVOSB	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. none				
2.				
3.				
4.				

The undersigned company representative submits the above list of MDWBE and veteran firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Calhoun Construction  
Company

12/8/25  
Date

  
Company Representative

Project Manager  
Title



# LEXINGTON

## LFUCG MWDBE SUBSTITUTION FORM

Bid/RFP/Quote Reference # 44-2025

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to the Division of Procurement for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project. **Note: Form required if a subcontractor is being substituted on a contract.**

SUBSTITUTED DBE/MBE/WBE/VOSB Company Name, Address, Phone, Email	DBE/MBE/WBE/VOSB/SDVOSB Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1.  none					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Calhoun Construction  
Company

12/8/25  
Date

[Signature]  
Company Representative

Project Manager  
Title



**LEXINGTON**

## **DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS AND OUTREACH PLANS**

As affirmed in Resolution Number 272-2024, the Urban County Council has adopted an annual aspirational goal of utilizing at least seventeen percent (17%) of public funds spend from certain discretionary agreements with certified Minority Business Enterprises (MBEs) and certified Woman Business Enterprises (WBEs); utilizing at least three percent (3%) of public funds from certain discretionary agreements with Certified Veteran-Owned Small Business and Certified Service-Disabled Veteran-Owned Small Businesses (VOSBs); and utilizing Disadvantaged Business Enterprises (DBEs) where applicable. Bidders should make every effort to achieve these goals.

Therefore, as an element of the responsiveness of the bid, all Bidders are required to submit documentation of their good faith and outreach efforts to ensure all businesses, including small and disadvantaged businesses such as minority-, woman-, and veteran-owned businesses, have an equal opportunity to compete for and participate in the performance of any subcontracts resulting from this procurement. Examples of good faith and outreach efforts that satisfy this requirement to encourage the participation of, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs include:

1. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women, and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to participate.
2. Attended LFUCG Procurement Economic Inclusion Outreach event(s) within the past year to meet new small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to partner with on LFUCG contracts and procurements.
3. Attended pre-bid/pre-proposal meetings that were scheduled by LFUCG to inform small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs of subcontracting opportunities.
4. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs.
5. Requested a list of certified small, DBE, MBE, WBE, VOSB and/or SDVOSB subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).
6. Contacted organizations that work with small, DBE, MBE, WBE, and VOSB companies for assistance in finding certified DBEs, MBEs, WBEs, VOSB and/or SDVOSBs to work



on this project. Those contacted and their responses must be a part of the bidder's outreach efforts documentation.

7. Sent written notices, by certified mail, email, or facsimile, to qualified, certified small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
8. Followed up initial solicitations by contacting small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs via tailored communications to determine their level of interest.
9. Provided the interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs with adequate and timely information about the plans, specifications, and requirements of the contract.
10. Selected portions of the work to be performed by small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs in order to increase the likelihood of subcontracting participation. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate small, DBE, MBE, WBE, VOSB and/or SDVOSB participation, even when the prime contractor may otherwise perform these work items with its own workforce.
11. Negotiated in good faith with interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection must be so noted in writing with a description as to why an agreement could not be reached.
12. Included documentation of quotations received from interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs that were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.
  - a. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a small business', DBE's MBE's, WBE's, VOSB's and/or SDVOSB's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy the participation goals.
13. Made an effort to offer assistance to or refer interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal.

14. Made efforts to expand the search for small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs beyond the usual geographic boundaries.
15. Other – any other evidence that the bidder submits that may demonstrate that the bidder has made reasonable efforts to include small, DBE, MBE, WBE, VOSB and/or SDVOSB participation.

Bidder must document, with specificity, each of the efforts it made to include small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs as subcontractors in the procurement, including the date on which each effort was made, the medium through which each effort was made, and the outcome of each effort.

**Note: Failure to submit the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith and Outreach Efforts must be submitted with the Bid, regardless of the proposed level of small, DBE, MBE, WBE, VOSB and/or SDVOSB participation in the procurement. If the Good Faith and Outreach Effort documentation is not submitted with the bid response, the bid may be rejected.**

#### OUTREACH EFFORTS EVALUATION

Outreach efforts demonstrated by the bidder or respondent will be evaluated on a pass/fail basis.

## ATTACHMENT A – SMALL AND DISADVANTAGED, MINORITY-, WOMEN-, AND VETERAN-OWNED BUSINESS OUTREACH PLAN

Proposer Name:	Calhoun Construction	Date:	12/8/2025
Project Name:	#44-2025	Project Number:	
Contact Name:	Jason Johnson	Telephone:	850.450.7650
Email:	jasonjohnson@calhounconstructs.com		

The mission of the Minority Business Enterprise Program is to facilitate the full participation of disadvantaged businesses, minority-, women-, veteran-, and service-disabled veteran-owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long -term economic viability of Lexington-Fayette Urban County Government.

To that end, small and disadvantaged businesses, including minority-, woman-, veteran-, and service-disabled veteran-owned businesses, must have an equal opportunity to be utilized in the performance of contracts with public funds spent from certain discretionary agreements. By submitting its offer, Bidder/Proposer certifies that it has taken, and if there are further opportunities will take, reasonable steps to ensure that small and disadvantaged businesses, including minority-, woman-, veteran-, and service-disabled veteran-owned businesses, are provided an equal opportunity to compete for and participate in the performance of any subcontracts resulting from this procurement.

The information submitted in response to this clause will not be considered in any scored evaluation. Failure to submit this form may cause the bid or proposal to be rejected.

Is the Bidder/ Proposer a certified firm? Yes ☐ No ☒

If yes, indicate all certification type(s):

DBE ☐

MBE ☐

WBE ☐

SBE ☐

VOSB/SDVOSB ☐

and supply a copy of the certificate and/or certification letter if not currently listed on the city's Minority Business Enterprise Program's (MBEP) certified list.

**1. Include a list of firms that Bidder/ Proposer has had a contractual relationship with within the last two years that are minority-owned, woman-owned, veteran-owned or small businesses, regardless of their certification status.**

 Click or tap here to enter text. 

**2. Does Bidder/Proposer foresee any subcontracting opportunities for this procurement?**

Yes ☐ No ☒

If no, please explain why in the field below. Do not complete the rest of this form and submit this first page with your bid and/or proposal.  Click or tap here to enter text.

Calhoun Construction self-performs all work related to this project.

If yes, please complete the following pages and submit all pages with your bid and/or proposal.



**Describe the steps Bidder/Proposer took to solicit small and disadvantaged businesses, including MBEs, WBEs, VOSBs, and SDVOSBs, for subcontracting opportunities for this procurement.**

**3. Check the good faith and outreach efforts the Bidder/Proposer used to encourage the participation of small and disadvantaged businesses including, MBEs, WBEs, VOSBs and SDVOSBs:**

- ☐ Bidder placed advertisements in search of prospective small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs for the solicitation.
- ☐ Bidder attended LFUCG Procurement Economic Inclusion Outreach event(s) within the past year.
- ☐ Bidder attended pre-bid and/or pre-proposal meetings for this solicitation.
- ☐ Bidder sponsored an Economic Inclusion Outreach event.
- ☐ Bidder requested a list of certified small, DBE, MBE, WBE, VOSB and/or SDVOSB subcontractors or suppliers from LFUCG.
- ☐ Bidder contacted organizations that work with small, DBE, MBE, WBE, VOSB and/or SDVOSB companies.
- ☐ Bidder sent written notices to certified small, DBE, MBE, WBE, VOSB and SDVOSB businesses.
- ☐ Bidder followed up to initial solicitations with interested small, DBE, MBE, WBE, VOSB and/or SDVOSB.
- ☐ Bidder provided small, DBE, MBE, WBE, VOSB and/or SDVOSB businesses interested in performing the solicited work with prompt access to the plans, specifications, scope of work, and requirements of the solicitation.
- ☐ Bidder made efforts to segment portions of the work to be performed by small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, including dividing sub-bid/partnership opportunities into economically feasible units/parcels, to facilitate participation.

- ☐ Bidder negotiated in good faith with interested small, DBE, MBE, WBE, VOSB and/or SDVOSB businesses.
- ☐ Bidder provided adequate rationale for rejecting any small business', DBEs, MBEs, WBEs, VOSBs or SDVOSBs for lack of qualifications.
- ☐ Bidder offered assistance in obtaining bonding, insurance, financial, equipment, or other resources to small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, in an effort to assist them in meeting project requirements.
- ☐ Bidder made efforts to expand the search for small businesses, DBEs MBEs, WBEs, VOSBs and/or SDVOSBs beyond the usual geographic boundaries.
- ☐ Bidder made other reasonable efforts to include small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs participation.

**4. Bidder/Proposer must include documentation, including the date each effort was made, the medium through which each effort was made, and the outcome of each effort with this form, regardless of the level of small, DBE, MBE, WBE, VOSB and/or SDVOSB participation. Examples of required documentation include copies of email communications, copies of newspaper advertisements, or copies of quotations received from interested small businesses, DBEs, MBEs, WBEs, VOSBs or SDVOSBs.**

 Click or tap here to enter text. 

**For detailed information regarding outreach efforts that satisfy the MBE Program's requirements, please see "Documentation Required for Good Faith Efforts and Outreach Plans" page.**

**Note: The Bidder/Proposer must be willing to report the identity of each subcontractor and the value of each subcontract to MBEP if awarded a contract from this procurement.**

**Failure to submit the documentation requested may be cause for rejection of the bid. Bidders may include any other documentation deemed relevant to this requirement, which is subject to review by the MBE Liaison. Documentation of Good Faith and Outreach Efforts must be submitted with the bid, regardless of the proposed level of SBEs, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs participation in the procurement. If the Good Faith and Outreach Effort Form and associated documentation is not submitted with the bid response, the bid may be rejected.**



The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Calhoun Construction Services, Inc.

**Company**

12/8/25

**Date**

Kurt Meadors

**Company Representative**

Vice President

**Title**

## **GENERAL PROVISIONS**

1. Each Respondent shall comply with all Federal, State & Local regulations concerning this type of service or good.

The Respondent agrees to comply with all statutes, rules, and regulations governing safe and healthful working conditions, including the Occupational Health and Safety Act of 1970, 29 U.S.C. 650 *et. seq.*, as amended, and KRS Chapter 338. The Respondent also agrees to notify the LFUCG in writing immediately upon detection of any unsafe and/or unhealthful working conditions at the job site. The Respondent agrees to indemnify, defend and hold the LFUCG harmless from all penalties, fines or other expenses arising out of the alleged violation of said laws.

2. Failure to submit ALL forms and information required in this RFP may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, shall be considered in making the proposal, and such addenda shall be made a part of this RFP. Before submitting a proposal, it is incumbent upon each proposer to be informed as to whether any addenda have been issued, and the failure to cover in the bid any such addenda may result in disqualification of that proposal.
4. Proposal Reservations: LFUCG reserves the right to reject any or all proposals, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by a Respondent in the preparation of proposals.
6. Changes/Alterations: Respondent may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the proposal, and received by LFUCG prior to the scheduled closing time for receipt of proposals, will be accepted. The proposal, when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of proposal".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from a Respondent.
8. Bribery Clause: By his/her signature on the bid, Respondent certifies that no employee of his/hers, any affiliate or Subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.

9. Additional Information: While not necessary, the Respondent may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the Respondent's response. Additional documentation shall not serve as a substitute for other documentation which is required by this RFP to be submitted with the proposal,
10. Ambiguity, Conflict or other Errors in RFP: If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting this proposal, the Respondent agrees that it has carefully examined the specifications and all provisions relating to the work to be done attached hereto and made part of this proposal. By acceptance of a Contract under this RFP, proposer states that it understands the meaning, intent and requirements of the RFP and agrees to the same. The successful Respondent shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to Respondent shall be authorized for services or expenses reasonably covered under these provisions that the proposer omits from its Proposal.
12. Cancellation: If the services to be performed hereunder by the Respondent are not performed in an acceptable manner to the LFUCG, the LFUCG may cancel this contract for cause by providing written notice to the proposer, giving at least thirty (30) days notice of the proposed cancellation and the reasons for same. During that time period, the proposer may seek to bring the performance of services hereunder to a level that is acceptable to the LFUCG, and the LFUCG may rescind the cancellation if such action is in its best interest.

A. Termination for Cause

- (1) LFUCG may terminate a contract because of the contractor's failure to perform its contractual duties
- (2) If a contractor is determined to be in default, LFUCG shall notify the contractor of the determination in writing, and may include a specified date by which the contractor shall cure the identified deficiencies. LFUCG may proceed with termination if the contractor fails to cure the deficiencies within the specified time.
- (3) A default in performance by a contractor for which a contract may be terminated shall include, but shall not necessarily be limited to:
  - (a) Failure to perform the contract according to its terms, conditions and specifications;
  - (b) Failure to make delivery within the time specified or according

- to a delivery schedule fixed by the contract;
- (c) Late payment or nonpayment of bills for labor, materials, supplies, or equipment furnished in connection with a contract for construction services as evidenced by mechanics' liens filed pursuant to the provisions of KRS Chapter 376, or letters of indebtedness received from creditors by the purchasing agency;
- (d) Failure to diligently advance the work under a contract for construction services;
- (e) The filing of a bankruptcy petition by or against the contractor; or
- (f) Actions that endanger the health, safety or welfare of the LFUCG or its citizens.

#### B. At Will Termination

Notwithstanding the above provisions, the LFUCG may terminate this contract at will in accordance with the law upon providing thirty (30) days written notice of that intent. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. **Assignment of Contract:** The contractor shall not assign or subcontract any portion of the Contract without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. **No Waiver:** No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this Contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. **Authority to do Business:** The Respondent must be a duly organized and authorized to do business under the laws of Kentucky. Respondent must be in good standing and have full legal capacity to provide the services specified under this Contract. The Respondent must have all necessary right and lawful authority to enter into this Contract for the full term hereof and that proper corporate or other action has been duly taken authorizing the Respondent to enter into this Contract. The Respondent will provide LFUCG with a copy of a corporate resolution authorizing this action and a letter from an attorney confirming that the proposer is authorized to do business in the State of Kentucky if requested. All proposals must

be signed by a duly authorized officer, agent or employee of the Respondent.

16. **Governing Law:** This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this Contract, the Parties agree that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division. All parties expressly consent to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to this Contract or any rights or obligations arising thereunder. Service of process may be accomplished by following the procedures prescribed by law.
17. **Ability to Meet Obligations:** Respondent affirmatively states that there are no actions, suits or proceedings of any kind pending against Respondent or, to the knowledge of the Respondent, threatened against the Respondent before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of Respondent to perform its obligations under this Contract, or which question the legality, validity or enforceability hereof or thereof.
18. Contractor understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Contractor is an independent contractor at all times during the performance of the services specified.
19. If any term or provision of this Contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.

  
\_\_\_\_\_  
Signature

12/8/25  
\_\_\_\_\_  
Date



**RISK MANAGEMENT PROVISIONS  
INSURANCE AND INDEMNIFICATION**

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**INDEMNIFICATION AND HOLD HARMLESS PROVISION**

- (1) It is understood and agreed by the parties that Contractor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Contractor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "CONTRACTOR") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- (2) CONTRACTOR shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by CONTRACTOR's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the CONTRACTOR; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, CONTRACTOR shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.
- (5) LFUCG is a political subdivision of the Commonwealth of Kentucky. CONTRACTOR acknowledges and agrees that LFUCG is unable to provide indemnity or otherwise save, hold harmless, or defend the CONTRACTOR in any manner.
- (6) Notwithstanding, the foregoing with respect to any professional services performed by CONTRACTOR hereunder (and to the fullest extent permitted by law), CONTRACTOR shall indemnify, save, hold harmless and defend LFUCG from and against any and all liability, damages and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees, for any damage due to death or injury to any person or injury to any property (including the loss of use resulting therefrom) to the extent arising out of, pertaining to or relating to the negligence, recklessness or willful misconduct of CONTRACTOR in the performance of this agreement.

## **FINANCIAL RESPONSIBILITY**

BIDDER/CONTRACTOR understands and agrees that it shall demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions prior to final acceptance of its bid and the commencement of any work or provision of goods.

## **INSURANCE REQUIREMENTS**

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

### **Required Insurance Coverage**

BIDDER/CONTRACTOR shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by CONTRACTOR. The cost of such insurance shall be included in any bid:

#### **Coverage**

#### **Limits**

General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Auto Liability	\$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$100K
Professional (E&O) Liability	\$1 million per claim

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky (DOI). LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- d. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

### Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

### Deductibles and Self-Insured Programs

**IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE.** Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of BIDDER/CONTRACTOR's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage

### Safety and Loss Control

CONTRACTOR shall comply with all applicable federal, state, and local safety standards related to the performance of its works or services under this Agreement and take necessary action to protect the life, health and safety and property of all of its personnel on the job site, the public, and LFUCG.

### Verification of Coverage

BIDDER/CONTRACTOR agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

### Right to Review, Audit and Inspect

CONTRACTOR understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

### **DEFAULT**

BIDDER/CONTRACTOR understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging BIDDER/CONTRACTOR for any such insurance premiums purchased, or suspending or terminating the work.

**ACORD™****CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

12/08/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <b>USI Insurance Services LLC-CL</b> <b>435 N. Whittington Parkway</b> <b>Suite 250</b> <b>Louisville, KY 40222</b>	CONTACT NAME: <b>Commercial Lines</b>	FAX (A/C, No): <b>855.209.1246</b>
	PHONE (A/C, No, Ext): <b>502.815.5200</b>	
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : <b>Phoenix Insurance Company</b>	<b>25623</b>
	INSURER B : <b>Travelers Property Cas. Co. of America</b>	<b>25674</b>
	INSURER C : <b>Travelers Indemnity Co of America</b>	<b>25666</b>
	INSURER D : <b>Indian Harbor Insurance Company</b>	<b>36940</b>
	INSURER E : <b>Endurance American Insurance Co.</b>	<b>10641</b>
	INSURER F :	

INSURED  
**Calhoun Construction Services, Inc**  
**1703 S Brook Street**  
**Louisville, KY 40208**

**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>PD Ded: \$5,000</b> <input checked="" type="checkbox"/> <b>Exp, Collapse, Undgr</b> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:	X	X	<b>DTCO4Y935104PHX25</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	EACH OCCURRENCE <b>\$2,000,000</b> DAMAGE TO RENTED PREMISES (Ea occurrence) <b>\$300,000</b> MED EXP (Any one person) <b>\$5,000</b> PERSONAL & ADV INJURY <b>\$2,000,000</b> GENERAL AGGREGATE <b>\$4,000,000</b> PRODUCTS - COMP/OP AGG <b>\$4,000,000</b> \$
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> <b>Deductibles</b>	X	X	<b>8104Y9366962526G</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	COMBINED SINGLE LIMIT (Ea accident) <b>\$2,000,000</b> BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ <b>Comp/Coll</b> <b>\$1000/\$1000</b>
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION <b>\$10,000</b>	X	X	<b>CUP5Y1880122526</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	EACH OCCURRENCE <b>\$10,000,000</b> AGGREGATE <b>\$10,000,000</b> \$
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	<b>UB4Y9993082526G</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT <b>\$1,000,000</b> E.L. DISEASE - EA EMPLOYEE <b>\$1,000,000</b> E.L. DISEASE - POLICY LIMIT <b>\$1,000,000</b>
D	<b>Prof &amp; Poll Liab</b>			<b>CEO742131804</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	<b>\$5M Agg Lmt/\$100K Ded</b>
B	<b>Leased/Rented Eqp</b>			<b>QT6303N264025TIL25</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	<b>\$1M Lmt/\$5,000 Ded</b>
E	<b>Excess 10Mx10M</b>			<b>XSC30093194300</b>	<b>08/01/2025</b>	<b>08/01/2026</b>	<b>\$10M Occ/\$10M Agg</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

**Lexington Fayette Urban County Government**  
**200 East Main Street**  
**Lexington, KY 40507**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

