



Boyd Company

1400 Cecil Avenue
Louisville, KY 40211
502.774.4441 tel

November 14, 2020
REV #1

Lexington-Fayette Urban County Government
200 East Main St.
Lexington, Kentucky 40507

Attn: Todd Slatin- Director Division of Central Purchasing
Email: tslatin@lexingtonky.gov

Subject: Design-Build-Install Solar @
Fire Station #7- 3307 Tates Creek Road
Fire Station #15- 3308 Shillito Park Road
Lexington, Kentucky

Specifications: RFP #30-2020 & Addendums #1 & #2

With reference to the above subject, we are pleased to provide the following detailed proposal.

A-FIRE STATION #7 Materials and Labor to Design-Build-Install a "Turn-Key" roof mounted Solar PV Array System, nameplate rated 13.1KWdc/12KWac, to include 36 x Caterpillar supplied monocrystalline panels and 2 x Caterpillar 6KW inverters, roof mounted racking, per the attached Bill of Material:

Total Net Price F.O.B. 3307 Tates Creek Rd., Lexington, KY
Taxes if Applicable NOT Included

Price.....\$38,100.00

NOTE: Price includes \$5,000.00 Owner Allowance

A-FIRE STATION #15 Materials and Labor to Design-Build-Install a "Turn-Key" roof mounted Solar PV Array System, nameplate rated 13.1KWdc/12KWac, to include 36 x Caterpillar supplied monocrystalline panels and 2 x Caterpillar 6KW inverters, roof mounted racking, per the attached Bill of Material:

Total Net Price F.O.B. 3308 Shillito Park Road, Lexington, KY
Taxes if Applicable NOT Included

Price.....\$38,100.00

NOTE: Price includes \$5,000.00 Owner Allowance

PERFORMANCE BOND- Add \$838.20 or \$11.00/\$1000.00 Total Project \$76,200.00

NEW NAME. SAME OWNER. SAME GREAT TEAM.
WHAYNE SUPPLY & WALKER MACHINERY ARE NOW BOYD CAT.®

DRAWINGS: Submittal 2 to 4 weeks after receipt of order

DELIVERY: Material availability 2-6 weeks after approval of submittal and order is placed
Allow 2 weeks for installation and completion of photovoltaic system (Each Fire Station)

TERMS: Net 30 days with 1.5 percent per month added to the unpaid balance

QUOTATION VALIDITY: 45 days

A Boyd CAT Power Systems Product Representative and/or our installation contractor will be available for assistance during the installation of this equipment. The Product Representative will arrange start-up of the equipment, and provide training and instruction to owner's personnel at the jobsite in its operation and maintenance. All service and parts for this installation will be provided from our Lexington, Kentucky location.

Thank you very much for allowing us an opportunity to quote on this project. Should you have any questions regarding our proposal, please don't hesitate to contact me.

Very truly yours,

Steve Killian

Sales Representative Energy Solutions

W: 502-774-4441 | **EXT:** 71140 | **C:** 502-751-7520

SteveKillian@BoydCat.com

**BILL OF MATERIAL
LEXINGTON-FAYETTE URBAN GOVERNMENT**

**FIRE STATION #7- 3307 TATES CREEK ROAD
FIRE STATION #15- 3308 Shillito park road
LEXINGTON, KENTUCKY**

SOLAR PHOTOVOLTAIC SYSTEM

EACH FIRE STATION TO INCLUDE:

CATERPILLAR SUPPLIED SOLAR PV PANELS

Monocrystalline panels, 365W each, quantity (36) panels installed, for a peak nameplate rating of 13.1KWdc/12KWac

OPTIMIZERS

Tigo/SMA TS4-A-F (Fire Safety) per panel wireless communication to gateway

INVERTER(S)

Qty. 2 x Caterpillar SMA 6KW, 120/240VAC, single phase

WIRING HARNESSSES

DC wiring harnesses and combiner boxes as necessary

RAPID SHUTDOWN

Included with SMA TS4-A-F (Fire Safety)

AC DISCONNECT

AC Disconnect to be coordinated with AHJ and Fire Department, mounted next to inverter at ground level

IRONRIDGE FLUSH MOUNTED FOR PITCHED ROOF MOUNTING SOLAR PANELS

Roof-mount, penetrating anchoring Flash Foot2 water sealed

SYSTEM MONITORING

Solar Log

SCOPE OF INSTALLATION LABOR AND SERVICES PROVIDED

1. Provide all design, engineering & construction documents necessary and required to obtain applicable permits and ensure satisfactory construction of the project.
2. Conduct a pre-installation conference and coordinate with local AHJ, as directed
3. Contractor will provide a dedicated superintendent on site during all working hours along with labor and jobsite supervision required to complete the project. Contractor will coordinate installation and material delivery schedule via Boyd CAT POC.
4. Provide all labor and jobsite supervision required to complete the project.
5. Provide material and install racking, modules, inverters, and EBOS for the array. Provide material and installation of AC and DC wiring from panels to combiner boxes to inverters.
6. Provide all wiring and cable to interconnect equipment. Contractor will interconnect PV array to the main service panel Kentucky Power utility per interconnection requirements.

7. Test and commission complete system, including support for site startup and checkout for up to 3 days after equipment is energized. During this time, contractor will provide onsite training for owner representative.
8. Photovoltaic system, as defined by PV modules, mounting racks, inverters, monitoring system, and wiring shall be installed by a NABCEP certified installer.
9. The Contractor is responsible for all connections, wiring, conduit, supports and miscellaneous items necessary to provide a complete and Code compliant system per local codes and NEC 2017.
10. The Contractor shall ensure all OSHA safety practices are followed and ensure compliance with National Electric Code for all Services and Deliverables.
11. Labor provided non-union

JOBSITE START-UP- Boyd CAT Power Systems, the local Caterpillar Dealer, will supply a factory trained NABCEP certified personnel onsite for commissioning, and to perform an installation check, start-up, and utility interconnect test, of the complete system supplied in this proposal, after installation is completed.

PERSONEL TRAINING- provided to local owner/operator.

O & M MANUALS – 1 set including As Built Drawings

SUBMITTAL DRAWINGS – 3 sets or as needed for local permitting

WARRANTY- Caterpillar Standard 10 year limited warranty for PV solar panels and string inverters. Caterpillar 25 Year Assurance Program for PV solar panels. Standard manufacturer's warranty supplied to customer for batteries and inverter/charger as defined and specified. SA installation warranty 2 years material and workmanship.

NOTE: Any NETA and/or infrared site testing and/or electrical coordination study specified or may be required is NOT included in this proposal, and is to be provided by others