

April 7, 2025

Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Purchasing Specialist: Stacey Champagne  
[stacey.champagne@jeffparish.gov](mailto:stacey.champagne@jeffparish.gov)  
504-364-2688

Greetings,

We are pleased to submit a response to the **Jefferson Parish Department of General Services** for the following bid:

**Bid Number 50-00147699**

**PURCHASE OF TRANSFORMERS FOR JEFFERSON PARISH DEPARTMENT OF GENERAL SERVICES**

**Due April 9, 2025 at 11:00 AM Local**

***\*equipment specifications on the following pages***

ECB Solutions' mission is to develop a cost-effective and comprehensive solution to your **power distribution and transmission system needs**. We along with our OEM partners stand ready to provide world-class products, service, and support.

We thank you for the opportunity to present our proposal and appreciate your consideration. If you have any questions, please do not hesitate to contact us.

Sincerely,



ECB Solutions, LLC  
Ellis Bledsoe, Principal Owner

Specifications:

**Maddox General Purpose Dry-Type Transformer**

New 500 kVA 3-Ph Dry-Type Transformer

Primary Voltage: 480 D

Secondary Voltage: 208 Y 120

Taps: 2A / 4B @2.5%

Frequency: 60 Hz

Temperature Rise: 150°C

Cooling Class: AA

Conductor: Al / Al

Enclosure: Outdoor NEMA 3R

Shipping: Freight Allowed

Warranty: 5 Years

Lead Time: In stock, ready to ship, delivers in 3-5 business days

Qty 2

DATE: 4/04/2025

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 5

BID NO.: 50-00147699

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

PURCHASING SPECIALIST:  
SCHAMPAGNE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

In Stock, Ready to Ship

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

2

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

3-5

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME:

ECB Solutions, LLC

SIGNATURE:

(Must be signed here)



TITLE:

Owner /Principal

PRINT OR TYPE NAME:

Ellis Bledsoe

ADDRESS:

669 Centerpointe CV

CITY, STATE:

Oxford, MS

ZIP:

38655

TELEPHONE:

205)215-4347

FAX:

( )

EMAIL ADDRESS:

ellis@ecb-solutions.com

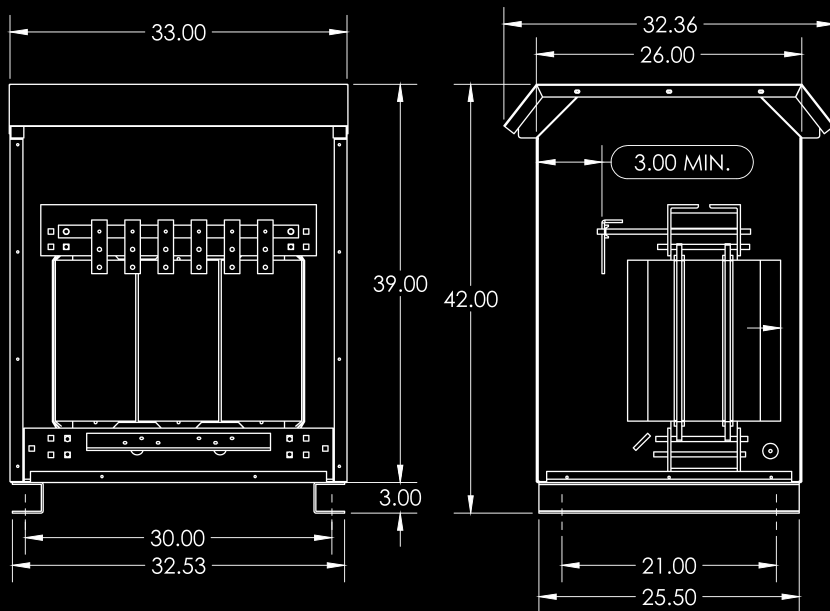
TOTAL PRICE OF ALL BID ITEMS: \$ 48,000

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00147699

SEALED BID

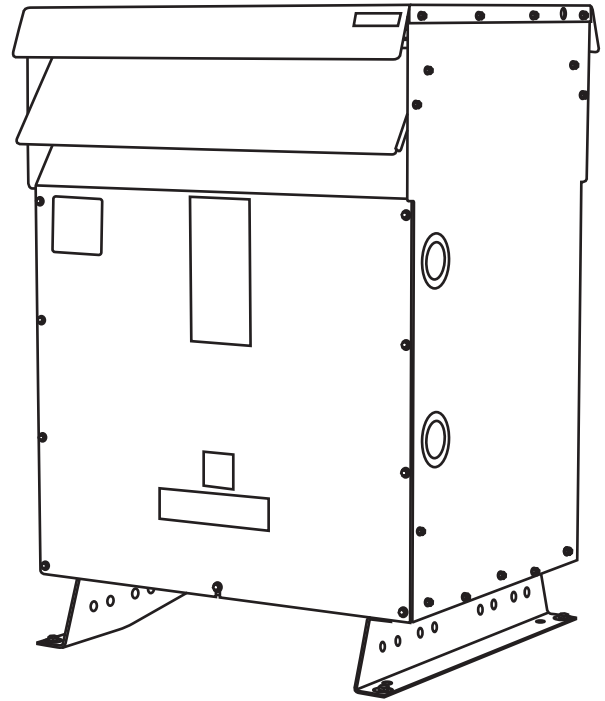
ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>PURCHASE OF TRANSFORMERS FOR JEFFERSON PARISH DEPARTMENT OF GENERAL SERVICES</p> <p>0010 - PART# HM SG3A0500KB0AF - 500 KVA HPS SENTINEL G - ENERGY EFFICIENT 3 PHASE DISTRIBUTION TRANSFORMER HAMMOND POWER SOLUTIONS - PHASE 3 HV/HT 480V - TYPLE K - BIL 10 KV</p> <p>***AS PER SPECIFICATION***</p>	\$ 24,000	\$ 48,000



# LOW VOLTAGE DRY-TYPE MANUAL

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## SAFETY PRECAUTIONS

1. Fully inspect the transformer before unloading and unpacking.
2. Only trained, experienced personnel utilizing suitable equipment should perform these tasks. Lifting provisions are included on many transformer sizes on the core and coil. Remove the top of the transformer to access them.
3. Use only UL listed dual rated terminals for electrical connections. When connecting to busway flexible, connectors are recommended.
4. Connections should conform to nameplate drawing or connection diagrams.
5. When servicing the transformer, always make sure that the source of power has been disconnected.
6. Assure that all line terminals, selected tap settings and ground connections are completed. Make sure that all are torqued to proper tolerances, prior to energizing the transformer.
7. Do not change any primary or secondary connections as well as tap positions, while the transformer is energized.
8. Do not attempt to change any connection while the transformer is energized.
9. Do not tamper with alarms, interlocks, control panels, or control circuits.
10. Do not adjust or remove any cover plates or accessories, while the transformer is energized.

**GENERAL**

This Transformer is made to provide high levels of performance for a lifetime of uninterrupted and trouble free service. Please pay careful attention to the instructions, to ensure safe and reliable operation.

Only trained and authorized personnel should perform installation, operation and maintenance of transformer. They should be well versed with electrical apparatus and the potential hazards involved.

**Danger! Power must be shut off before any work is performed on the transformer. There is the potential of electric shock.**

These transformers must be installed according to the requirements of the national and local electrical codes. ANSI/IEEE C57-94 may also be referred to for recommended installation, application, operation and maintenance of dry-type transformers.

**HANDLING**

Transformers can either be lifted via a forklift truck or hoisted by the lifting lugs provided.

Appropriate lifting equipment, including spreader bars, should be used in relation to the size of each transformer. For safety purposes and to protect the transformer, no attempt should be made to lift or move a transformer from any points on the unit other than those indicated.

**RECEIVING & INSPECTION**

As part of the receiving process, the transformer should be inspected for any damage and for correctness against the shipping documents. The transformer should be examined for any packaging abnormalities, dented or damaged enclosures. Special attention should be paid to the feet, to insure that it was handled properly. Also, check for missing parts from the packing list.

Note any damage on the shipping documents. A claim should be filed immediately with the carrier and an additional copy of all relevant information to the order and the circumstances should be filed with the local sales office. If the examination of the unit takes place outdoors, care should be taken that inclement weather does not create further hazard.

**STORAGE**

Transformers that will not be immediately installed and energized, should be stored in a clean, dry and warm area away from any environmental airborne contaminants.

It is recommended that transformers be stored in a heated building, but they can be stored in temperatures of -40°C (-40°F). Transformers that are to be energized after being stored at a low temperature must be warmed to -25°C (-13°F) with warm air or radiant heat. Once the transformer reaches this temperature, it is safe to energize.

**INSTALLATION**

**Enclosures are designed and approved in accordance with specifications CSA 22.2 No. 47 (General Purpose), CSA 22.2 No. 94 (Specialty Enclosures), NEMA 250 and UL 50.**

**Indoor/Outdoor Dry-Type Transformers with Enclosures**

Transformers are supplied with NEMA type 3R enclosures. Units may be installed indoors, or outdoors as the code requires.

Ventilated enclosures are recommended for indoor installation but can be installed outdoors where weather conditions allow a type 3R ventilated enclosure to be installed.

For any outdoor location, the appropriate applicable codes must be followed including cable installation and hardware suitable for outdoor service.

Water tight couplings must be used, and any holes in the enclosure must be drilled below any uninsulated live parts.

Transformers may be placed in an upright position on walls, floors, posts, beams or other locations capable of supporting their weight with the proper accessories.

Ventilated transformers should be installed in a dry area where the ambient air is clean and free of dust, dirt, corrosive fumes. Ventilated transformers should not be installed in a place having the possibility of high moisture, excessive heat or other adverse conditions. If a transformer has been subjected to moisture or dampness before installation, make sure that it is completely cleaned and dried before energization. Blowing warmed air through the transformer is recommended to dry internal components.

**VENTILATION**

Transformers are required to be installed in an area where they can be cooled by means convection, where the average ambient temperature is 30°C (86°F) and should not exceed 40°C (104°F) at any time. Adequate ventilation is essential for transformers to meet their nameplate kVA capability and to assure long life. The distance a transformer should be located away from any wall or any other obstruction is stated on the nameplate. Follow these distance measurements to allow free, clean circulation of air through the ventilation openings or around a non-ventilated unit.

**ACCESSIBILITY**

NEC standards require that transformers be accessible for inspection. However, transformers should not be located in areas where stored items are likely to interfere with either natural air convection or the capability to have them inspected. Passageways or other areas where people could be exposed to live parts during inspection should also be avoided. Protection should be provided under all circumstances.

**TRANSFORMER SOUND LEVELS**

Transformers are electrically energized equipment and it is their nature to emit sound. Transformers are required to meet NEMA standards for the maximum sound levels permissible. These sound level standards vary from 40 to 60 DB and hence, can be an annoyance if located in close proximity to where people work or reside. Care should be taken in selecting sites for transformers particularly to avoid noise sensitive areas like hospitals, classrooms, medical or office facilities.

**Guidelines for minimizing noise:**

- Transformers should be mounted away from corners.
- Hard wall, ceiling, and floor surfaces reflect and amplify noise. Softer, sound absorbing material should be used when possible and practical.
- Hard piping directly into the transformer should be avoided. Cable or other flexible conduit should be considered to make connections.
- Transformers are provided with isolation rubber mounts between the core and coil assembly and the enclosure. However, sound absorbing vibration isolators may also be installed between the transformer and its mounting surface.
- The Transformer should be located as far as practical from areas where higher sound levels could be considered undesirable.
- Transformers should be securely anchored to the floor, to help mitigate vibration.

**CABLE CONNECTIONS**

The connecting cable size is determined from the line current rating of the transformer's primary and secondary windings. Cables should be

rated for at least 90°C (194°F). The use of ALC9CU lugs is recommended. Appropriate cable connectors suitable for the application must be used.

**DANGER : Do not attempt to change connections or taps unless the transformer is de-energized and all windings grounded.**

Side entry of cables is recommended as it leaves the ventilated areas unobstructed. The use of electrical joint compounds is recommended for use on all electrical connections. Refer to the transformer nameplate for primary and secondary voltage connection combinations and primary and/or secondary tap positions as applicable.

#### CHANGING TAP LEADS

Transformers received from the factory will have tap leads installed on the nominal, or 100%, voltage position. The balance of the tap positions will still be coated with impregnation material and insulation. To change taps, it is necessary to gently remove all contaminants and insulation from the surface of the top and bottom of the taps (eye loop or lugs) by sanding the lugs clean.

The surface of the tap lead should be cleaned and subsequently coated with electrical compound to all non-plated contacts between the jumper terminal and the tap. Assemble jumpers to taps.

**ALWAYS CHECK: After installation of cables and connectors, a minimum of 1" clearance must be maintained from energized parts to all case parts.**

#### GROUNDING

All core and coil assemblies are internally grounded to the enclosure to ensure that all conductive metal parts have the same potential. The enclosure should also be securely and effectively grounded as a safety precaution. This grounding should be in accordance with national electrical code standards.

#### INSPECTION BEFORE ENERGIZATION

**For the safe and proper operation of the transformer, please check the following before energizing:**

1. The insulation resistance, core to primary, core to secondary and primary to secondary, should be greater than 10k ohms.
2. Prior to connecting to any loads, please measure and verify the output voltage matches nameplate specifications.
3. Ensure correct phase connections. Refer to the nameplate vector diagram.
4. On a delta secondary winding with a 120 volt center tap, the load should never exceed the normal current rating of the winding. This center tap is designed for the maximum of 5% of the nameplate kVA.
5. When windings are connected in parallel (as in the case of dual voltage primaries), ensure that the primary taps for all coils are connected to the identical percentage tap positions to avoid the shorting of turns. For tap positions, refer to the nameplate on the transformer.
6. The enclosure should be grounded with the appropriately sized conductor.
7. The total load among all the phases should be balanced as much as possible for optimum performance of the transformer's windings. Any three phase or single phase load may be connected to the transformer but the kVA loading on each phase must never exceed 33% of the nameplate kVA rating.

8. The clearance and tightness of all electrical connections should be checked.

9. If there is any reason to suspect that the transformer has been exposed to moisture during transit or storage, it should be checked for dryness before energization. This can be done by making an insulation resistance test. Dry-out procedures are detailed in this manual.

#### OPERATION

For all normal and clean installations, transformers will operate correctly under conditions within the nameplate rating of energization and load. A fully loaded dry-type transformer may feel or even hot to the touch, particularly on the top of the unit. Industry standards permit the temperatures of the cover to be 65°C (149°F) over ambient. This represents normal loading and should not be of concern.

Dry-type transformers are designed to operate continuously at their full nameplate kVA rating.

**ANSI C57.96 provides guidelines for loading transformers under other conditions including:**

1. Ambient temperatures that are varied from the ambient temperatures required for transformer operation.
2. Short time overload as it relates to time and temperature and the corresponding loss of life of the transformer.
3. Overload that results in a reduction of life expectancy of the transformer.

**If the transformer is experiencing increased temperatures, the following load characteristics should be considered immediately:**

1. Rigorous motor starting loads "jogging" or other impact type loading for which a specific transformer for that application is required.
2. Over-excitation of unit due to excess supply line voltage or current.
3. High ambient temperatures above standard. A low temperature rise transformer may be required.
4. Overloading the transformer beyond ANSI C57.96 guidelines.
5. Triplen level harmonics on the supply line voltage and currents.

Transformers can be stored for long periods of time without affecting performance. Care must be exercised to clean and dry units prior to energization, as previously outlined.

#### MAINTENANCE

Transformers used under normal operating conditions and environments, do not require maintenance. However, development of a preventative maintenance program with periodic care and inspection is a good practice.

Peripheral inspection and external dust removal may be carried out while the transformer is in operation. Do not open access covers under energized conditions.

**Internal maintenance must be performed with a transformer de-energized, isolated and with the terminals grounded.**

Maintenance would include internal cleaning, tightening of links and bolted connections, servicing and inspection of auxiliary devices. Air ducts should be free of any accumulation of dust and debris and any bolted connections of terminals must be in good condition.

Vacuuming or blowing compressed air from the top down is an



accepted practice for removing dust from the ducts of a transformer coil. Low pressure, dry air should be used to avoid further contamination of the windings by foreign material.

The ground connection should also be checked to ensure a low impedance connection. The accumulation of ice, snow or any other object blocking the ventilation should be cleaned up immediately during the operation of the transformer.

On outdoor units where filters have been installed, being exposed to the outside atmosphere can cause the filters to get dirty quickly. A periodic check of the filters will help avoid filter clogging and thus transformer overheating. Also, never run the transformer without the filters properly in place.

### DRYING OUT OF TRANSFORMERS

If a transformer was exposed to condensation or rain, it is recommended to dry out any unit before energizing.

Drying the transformer, may be accomplished by using any hot or warmed air, radiant heat or internal heat that is directed through the windings. Heated air should be allowed to rise up through the windings for a minimum of twenty four (24) hours after the evidence of condensation is no longer visible.

In flood conditions, transformers may not be able to be dried out appropriately. Contact the transformer manufacturer for corrective action.

### ACCESSORIES

#### Wall Mounting Brackets

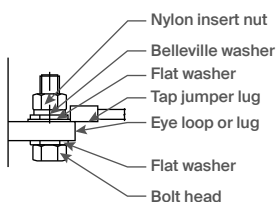
Encapsulated transformers have integral wall mounting capabilities for units up to 285 lbs. Units over 285 lbs. must be floor mounted only. Ventilated dry-type transformers are normally designed to be floor mounted only. However, some ventilated units up to 45 kVA can be wall mounted with the appropriate bracket.

### APPENDIX A LUG TIGHTENING TORQUE

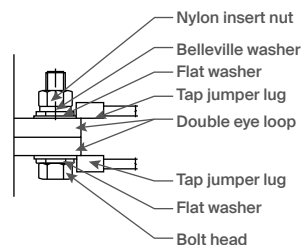
WIRE RANGE	WIRE TIGHTENING TORQUE	LUG TIGHTENING TORQUE
14-2 AWG	50 IN. LBS	6 FT. LBS.
14-2/0AWG	50 IN. LBS	6 FT. LBS.
250 KCMIL-6AWG	275 IN. LBS	11 FT. LBS.
350KCMIL-6AWG	375 IN. LBS	19 FT. LBS
600KCMIL-2AWG	375 IN. LBS	19 FT. LBS

### APPENDIX B JUMPER ASSEMBLY DRAWING

DRAWING 1  
Single Conductor Eyeloop Tap Lugs



DRAWING 2  
Double Conductor Eyeloop Tap Lugs

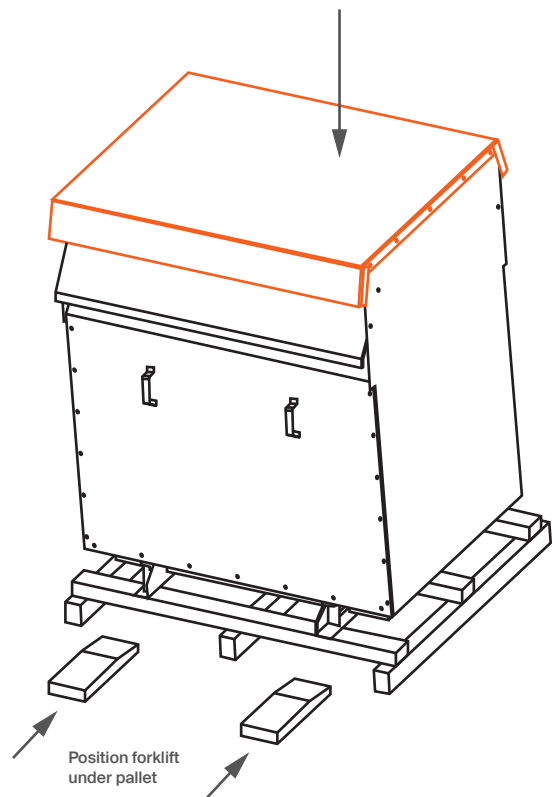


### APPENDIX C Assembly

#### Notes:

1. Handling – transformers are designed to be raised by a fork lift from underneath the pallet. Final positioning of the unit with the pallet removed can be via a fork lift under the transformer with the forks between the channels. **(Note: when using fork lift make sure forks are on the outside of legs, never move transformer with fork lift on the inside of legs)**
2. Shipping – transformers are shipped on pallets which are to be removed at installation.
3. Installation – this transformer can be installed indoor or outdoor providing a degree of protection against falling rain, sleet and external ice formation.
4. All general purpose/drive isolation transformers should be located away from any wall or any other obstruction, please refer to the nameplate for the minimum distance.
5. DO NOT block bottom ventilation area.

For final positioning with pallet removed, transformer should be lifted by removing the top panel and accessing the lifting provisions on top of the core and coil.



### **CAPABILITY STATEMENT**

ECB Solutions, LLC | S-Corp | Ellis Bledsoe, Principal Owner | 205-215-4347 | ellis@ecb-solutions.com | Oxford, MS | Incorporated August 2017 | Tax ID# 82-2598179 | CAGE 7XZ22 | SAM Q9DNH2XVYNN3

### **PROFILE**

ECB Solutions specializes in supply chain and project management. We are committed to providing sensible, practical, and real-world solutions & services to our clients. Our mission is to be a reliable resource in the industries we serve, dedicated to delivering excellent services and superior-quality products.

### **PRODUCTS & SERVICES**

Pad-mount & Pole-mount Transformers | Substation Transformers | Circuit breakers | Industrial Generators | Transfer Switches | Supply Chain Solutions | Project Management Services | Business Process Consulting

### **CORE COMPETENCIES**

Distribution of Electrical & Industrial Equipment  
Supply Chain Management  
Project & Program Management  
Strategic & Business Planning  
Business & Manufacturing Process Improvement

### **CURRENT CONTRACTS (including contract amount)**

City of Meridian (ID) – 75 & 2500 kVA Padmount Transformers  
Portage Area Regional Transportation Authority (PARTA) – Diesel Gas Generator and Transfer Switches  
Nebraska Department of Corrections – 3000 kVA Padmount Transformers  
National Renewable Energy Laboratory (NREL) – 1750 kVA Padmount Transformers  
Hoffman Construction Company (ID) – 2500 kVA Padmount Transformers  
City of Oxford (MS) – Diesel Gas Generators  
Rochester Genesee Regional Transportation Authority (NY) – 2500 kVA Padmount Transformer  
City of Fort Collins (CO) – 25 kVA 1-PH Padmount Transformers  
Gulf County (FL) – Diesel Gas Generator  
Labadie Creek Watershed/Taylor Eng (MO) – Diesel Gas Generator  
The University of St. Thomas (MN) – 3750 Padmount Transformer  
The University of Southern Mississippi – 1000 kVA Padmount Transformer  
Hanford Mission Integration Solutions (WA) – 1500 kVA Padmount Transformer  
City of Salem (VA) – 500/750 kVA Padmount Transformers  
Texas Dept. of Criminal Justice – 1500 kVA Padmount Transformer  
Florida Keys Aqueduct Authority – 300/750 kVA Padmount Transformers  
City of Farmington (NM) – 300 kVA Padmount Transformers  
Colorado State University – 300 kVA Padmount Transformer

**PAST PERFORMANCE (including contract amount)**

City of Hamilton (OH) Department of Infrastructure – 167 & 250 kVA Padmount Transformers  
Mississippi State University – 3000 kVA Padmount Transformers  
Mississippi State University – 1500 kVA Padmount Transformers  
Thomas Jefferson National Accelerator Facility (VA) – 2500 kVA Padmount Transformer  
FAA Aeronautical Center Customers and Borders (OK) – Liquid Propane Generators  
City of Nixa (MO) Public Works Department – 300 & 500 kVA Padmount Transformers  
Fayetteville State University – 300 & 2000 kVA Padmount Transformers  
City of Pearl (MS) – Natural Gas Generator and Transfer Switch  
Capital Region Water Authority (PA) – 1500 kVA Padmount Transformer  
Fayetteville State University – Natural Gas Generator and Transfer Switch  
City of East Jordan (MI) – Diesel Gas Generators and Transfer Switches  
Columbus Light & Water (MS) – 161kV Circuit Breaker, Spare Parts  
Columbus Light & Water (MS) – 69kV Circuit Breaker, Spare Parts  
Columbus Light & Water (MS) – Natural Gas Generator and Transfer Switch  
City of Dothan (AL)/Dothan Utilities – 150 kVA Padmount Transformers  
Winco Foods (UT) – 1500 kVA Padmount Transformer  
Bi-State Development (MO) – Natural Gas Generator and Transfer Switch  
City of Nixa (MO) Public Works Department – 750 & 112.5 kVA Padmount Transformers  
City of Huntington Beach (CA) – 1000 kVA Padmount Transformer  
Murray State University (KY) – 750 kVA Padmount Transformer  
City of Port Angeles (WA) – Generator and Transfer Switch  
Tinker U.S. Air Force Base (OK) – 300 kVA Dry Type Transformer, Contract FA812624P0017  
Rochester Genesee Regional Transportation Authority (NY) – 300 kVA Padmount Transformer  
Ohio Department of Transportation – 500 kVA Padmount Transformer, Contract #DOT42624-1  
USA Garrison Ft. Detrick – 50 kVA Medium Voltage Control Transformer, Contract # W911S223P0935  
City of Kenner (LA) - Department of Public Works - 112.5 kVA Padmount Transformer  
Fayetteville State University – 150 kVA Dry Type Transformer

**CERTIFICATIONS**

MISSISSIPPI - Minority Owned Business Enterprise (MBE) #019632 | Disadvantaged Business (DBE)  
ALABAMA - Birmingham Airport Authority (DBE) - #12-00956  
CALIFORNIA - California Department of Transportation (DBE) # 45728  
LOUISIANA - Disadvantaged Business (DBE)  
MARYLAND – Small Business (SBE) | Disadvantaged Business (DBE)  
NORTH CAROLINA - Small Business (SBE) # 9000008934 | Historically Underutilized Business (HUB) # 72475  
TENNESSEE - Minority Business (MBE) - #050918-01

**NAICS - INDUSTRY CODES**

425120 - Wholesale Trade Agents and Brokers  
335311 - Power, Distribution, and Specialty Transformer Manufacturing  
335312 - Motor and Generator Manufacturing  
334416 - Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing  
541614 - Process, Physical Distribution, and Logistics Consulting Services  
541611 - Administrative Management and General Management Consulting Services

**NIGP – INDUSTRY CODES**

28586 - Transformers, Power Distribution, Including Fluid Filled, Pad and Pole Mount  
93639 – Generators, Portable and Stationary, Including Parts and Accessories Maintenance and Repair  
28514 - Circuit Breakers, Load Centers, Boxes, and Panel Boards  
98888 – Supply Chain Management Services  
95877 - Project Management Services

**BUSINESS REFERENCES**

Capital Region Water Authority (PA) Bryon Maze- Procurement Manager (717) 216-5234 <a href="mailto:bryon.maze@capitalregionwater.com">bryon.maze@capitalregionwater.com</a>	Columbus (MS) Light & Water Marc Rushing-Electric Manager (662) 386-5545 <a href="mailto:mrushing@columbus-lw.com">mrushing@columbus-lw.com</a>
National Renewable Energy Laboratory (NREL) Lu Lindsay - Subcontract Administrator   Acquisition Services <a href="mailto:LuAnn.Lindsay@nrel.gov">LuAnn.Lindsay@nrel.gov</a>	HV Sales Company, Inc. Jason Simon, P.E.- Vice President (901) 491-4710 <a href="mailto:jsimon@hvsales.com">jsimon@hvsales.com</a>
Department of Energy (DOE) - Jefferson Lab Tom Huratiak (757) 269-7338 <a href="mailto:huratiak@jlab.org">huratiak@jlab.org</a>	LiRo-Hill Stelios Moisidis, EIT- Electrical Engineer (585) 736-9237 <a href="mailto:moisidiss@liro-hill.com">moisidiss@liro-hill.com</a>
Fayetteville State University Gene Cottrell - Director of Facilities Budget & Administration (910) 672-1392 <a href="mailto:gcottrel@uncfsu.edu">gcottrel@uncfsu.edu</a>	Winco Foods/DC Engineering Bill Crabb, PE (208) 493-0004 <a href="mailto:bcrabb@dcengineering.net">bcrabb@dcengineering.net</a>