### **OHIO TURNPIKE COMMISSION**

### ADDENDUM NO. 1

BID INVITATION NO. 4190
FOR THE FURNISHING AND INSTALLATION OF ONE (1) NATURAL GAS POWERED, CURRENT MODEL YEAR, EMERGENCY STAND-BY GENERATOR SYSTEM

OPENING DATE EXTENDED BY THIS ADDENDUM NO. 1: 2:00 P.M. (E.D.T.), OCTOBER 42 19, 2012

ATTENTION OF BIDDERS IS DIRECTED TO:

MINUTES FROM THE OCTOBER 4, 2012 PRE-BID MEETING

ANSWERS TO QUESTIONS RECEIVED PRIOR TO THE MEETING AND AT THE MEETING

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 P.M., OCTOBER 10, 2012:

MODIFICATIONS TO THE CONTRACT DOCUMENTS:

COVER PAGE AND NOTICE TO BIDDERS

-and-

SPECIFICATIONS
Pages 7c and 7j

Issued by the Ohio Turnpike Commission October 10, 2012. Authorized by Robin Carlin, Deputy Executive Director, and Kathleen G. Weiss, General Counsel.

Robin Carlin/

Date

Cathleen G. Weiss

Date

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# PRE-BID MEETING MINUTES INCLUDING ANSWERS TO QUESTIONS RECEIVED PRIOR TO THE MEETING AND AT THE MEETING:

Date:

Thursday, October 4, 2012 at 10:00AM

Location:

Toll Plaza Utility Building, Strongsville, OH

Ohio Turnpike Interchange 161

Subject:

Pre-Bid Meeting - Furnishing and Installation of One (1) Natural Gas Powered, Current

Model Year, Emergency Stand-By Generator System

Contract No. 71-12-02

Attached to Addendum No. 1 is a copy of the Sign-in sheet listing Contractors and Commission personnel present at the meeting.

### OPENING OF THE MEETING AND INTRODUCTIONS

> Chris Matta, Maintenance Engineer, welcomed everyone to the meeting and introduced the Project team present at the Pre-Bid meeting:

o Chris Matta

Project Manager – Ohio Turnpike Commission

o Troy Bader

Chief Mechanic - Ohio Turnpike Commission Trades Supervisor - Ohio Turnpike Commission

Mike BergstromKevin Golick

Purchasing Manager - Ohio Turnpike Commission

o Mark Musson

Staff Attorney - Ohio Turnpike Commission

- Mr. Matta stated the bids are due on October 12, 2012 at 2PM at the Commission's main offices in Berea, Ohio. NOTE: THE OPENING DATE IS EXTENDED TO OCTOBER 19, 2012.
- Mr. Matta invited all Contractors to stay after this meeting for a tour though the Plaza, and cautioned that the Plaza is an operating facility and Contractor's should be mindful of the traveling public when on site.

# PROJECT OVERVIEW

- > Mr. Matta provided an overview of the Project.
- > Mr. Matta explained that the entire Bid Form must be completed and the appropriate entries made in the Bid Schedule.
- Mr. Matta stated that the Questionnaire must contain all the necessary information to evaluate the responsiveness of the Bid.
- ➤ Mr. Matta described the Work under the Contract as consisting of furnishing and installing a complete emergency electric generating system.
- > Mr. Matta elaborated by highlighting various provisions from the Specifications and Special Provisions.
- > Mr. Matta called out the intent of the Specification to provide equipment of proven reliability and compatibility
- > Mr Matta reviewed the Specifications for the warranty on the complete standby electric power system.
- Mr. Matta drew attention to the Specifications for the Engine-Generator Set including the general description of a natural gas fired engine-generator set rated for a minimum 200 kW.

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- > Mr. Matta read from the Specifications for the Engine Exhaust System, including Section D, where use of the existing roof penetration is acceptable providing that both the generator set and roofing manufacturer's warranties are not compromised.
- Mr. Matta read from the Specifications for the Engine Fuel Supply System, including the Contractor's need to fabricate and install the necessary size welded natural gas supply piping from the ceiling down to the new generator.
- ➤ Mr. Matta described the Installation process whereby the Commission will remove the existing generator and associated equipment, less the existing ASCO generator automatic transfer switch, and explained that the Contractor will be responsible for removing the existing ASCO generator automatic transfer switch.
- ➤ Mr. Matta reiterated the Specifications that the facility is now, and shall be, until after final start-up of the new generator detailed in this Contract, connected to the external, portable emergency electric generator. The awarded Contractor shall not disconnect the service to this backup generator for periods of more than one-half (1/2) hour in duration during the installation and start-up of the new generator.
- ➤ Mr. Matta also explained that the Commission will remove and reinstall any wall louvers, building intake air ductwork, electrical panels, portions of the concrete block wall, and light fixtures to facilitate installation of the new generator set.
- > Mr. Matta described the Field Testing and instruction requirements necessary to obtain Final Acceptance under the Specifications.
- Mr. Matta reviewed the Special Provisions regarding the necessary submissions with the bid, including any cut sheets, manufacturer specifications, to provide the Commission with sufficient information to evaluate the Bids.
- Mr. Matta drew special attention to the one hundred and twenty (120) day deadline for completing installation
- > Mr. Matta stated that timely submittals are imperative for the successful construction of the installation, and that there is no anticipated impediment to the Commission's review and approval of the Contractor's submittals.

#### **BIDDING SUMMARY**

- Mr. Musson directed the Bidders to the Table of Contents contained in the Instructions to Bidders for quick access to the required forms and information necessary to submit a Bid.
- Mr. Musson explained that based on the type of work and dollar thresholds for this Project, it is classified as a public improvement contract involving the supply of labor and materials.
- Mr. Musson pointed out the requirement to submit a bid guaranty for at least ten (10) percent of the Bid, and the ensuing performance bond requirement, or the alternative of submitting a combined bid guaranty and performance bond Regardless of the bond form, Mr. Musson emphasized the need for a Power of Attorney for the agent of the Surety.
- Mr. Musson reviewed the Instructions to Bidders and the Bidders being bound to their Bid for sixty (60) days after Bid Opening
- Mr. Musson described the process for obtaining approval of a proposed equal on Page 2e and 2f, which requires that Proposed Equals be submitted no later than five (5) calendar days prior to Bid Opening.
- > Mr. Musson highlighted the Definitions in the General Terms and Conditions and explained the materials that form the Contract Documents
- Mr. Musson pointed out that subcontracting is permissible, but subcontractors are subject to preapproval by the Commission

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- Mr. Musson explained that the Contractor shall comply with the Prevailing Wage Laws of Ohio and pay prevailing wage rates, and further that successful Bidder must provide a schedule of when wages will be paid to the Commission's Prevailing Wage Coordinator within ten (10) days after execution of the Contract.
- > Mr. Musson pointed out that the Cuyahoga County prevailing wage rates are contained in the Contract Documents.
- > Mr. Musson drew the attention of the attendees to the submissions itemized on the Bid Form that must accompany a responsive Bid
- Mr. Musson then reviewed each submission that must accompany a responsive Bid, including the Bid Form and its Bid Schedule and Questionnaire.
- > Mr. Musson pointed out the insurance requirements, including the limits and coverages that must be obtained, and that the Commission shall be endorsed on the certificate as an additional insured.
- Mr. Musson described the Liquidated Damages that would result from the failure to achieve Final Acceptance within the time prescribed in the Contract or without obtaining an extension from the Commission.
- Mr. Musson pointed that the Bidders should review the Ethics Policy, which is what the Bidders are attesting to follow when completing and notarizing the Non-Collusion/Non-Interest Affidavit that must be returned with the Bid Mr. Musson explained the Affidavit is necessary to demonstrate the Bidders understanding of the Ethics Policy and assurances that the Bid is not the result of collusion or a sham.
- Mr. Musson stated that if the Bidders have any questions or discover an ambiguity or conflict in any provision of the Contract Documents, they should submit a question or request for interpretation so it can be clarified through addendum. Any item not clarified will be interpreted by the Commission as set forth in the Documents.

### **BIDDING QUESTION SUBMISSION**

- Mr. Golick said that all questions must be submitted directly to him by email or fax (with email preferred). Questions should not be addressed to any other members of the Project team. It is requested that those asking questions provide contact information so that if a clarification of the question is required, it can be addressed directly back to those individuals. Mr. Golick's email address is <a href="mailto:Kevin.golick@ohioturnpike.org">Kevin.golick@ohioturnpike.org</a>.
- Mr Golick requested that all questions be received no later than seven (7) days prior to the Bid Opening.
- > Mr. Golick encouraged Bidders to submit questions as they arise rather than waiting until the cutoff date and submitting them en masse
- Mr. Golick said that Addendum No. 1 will contain the Pre-Bid Meeting Minutes, an attendance list of those at the Pre-Bid Meeting and questions and answers received to date.

### ANSWERS TO QUESTIONS RECEIVED PRIOR TO THE PRE-BID MEETING

Q#1 We would like to partner with a contractor to bid the project. I was wondering if you could share the list of contractors who received the RFQ? I would like to talk with them before the pre-bid meeting.

A#1 A copy of the bidders' list is attached.

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- Q#2 Can you please confirm the scope is just for F&I a generator as opposed to the generator and building. Some drawings from Osborn are in the package which depicts a building that most likely is in place already. The prevailing wage sheets in the bid book though include trades such as masons, operators, laborers, carpenters, etc. that would not be needed if it is just a new gen set. We would be interested in bidding if a new building is planned but not so if it is a new genset only. Please advise
- A#2 The Contract is for the Furnishing and Installation of a Natural Gas Generator set. The building drawings were included with the Contract documents to depict the dimensions and final location of the generator set. Prevailing wage applies to the labor performed under the Contract.
- Q#3 I was wondering if we are able to bid on materials only or if the bid must include installation services for bid no 4190?
- A#3 See response to Q#2. Responsive bids must include both Furnishing and Installation of a Natural Gas Generator set. However, subcontracting is permissible. See General Terms and Conditions at Paragraph L. on Page 3e.

### ANSWERS TO QUESTIONS ASKED AT THE PRE-BID MEETING

- Q#4 Is the Contractor required to paint the new natural gas line and repaint and/or otherwise touch up the existing natural gas line?
- A#4 Yes, the Contractor shall paint any new natural gas lines and repaint and/or touch-up affected portions of the existing natural gas line.
- Q#5 What is the gas pressure at the regulator for the building?
- A#5 The natural gas pressure after the building regulator and meter is two (2) pounds per square inch.
- Q#6 Are you sure replacing the battery charger is necessary?
- A#6 Although currently there are no known operational issues with the existing battery charger, the Contract is for the replacement and warranty of a complete emergency generator system. The Commission will be able to utilize components of the existing generator system at other Ohio Turnpike locations.
- Q#7 Are you sure the transfer switch needs replacement?

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- A#7 See response to Q#6.
- Q#8 What is the allowable downtime during switchover?
- A#8 The awarded Contractor shall not disconnect the service to the portable backup generator for periods of more than one-half (1/2) hour in duration during the installation and start-up of the new generator. See Section 3.01, Paragraph D. of the Specifications on Page 7o.
- Q#9 Will the Ohio Turnpike Commission consider the providing of a second circuit breaker for load bank testing purposes?
- A#9 Yes. This Addendum No. 1 modifies the Contract Documents to specify that a second (auxiliary) circuit breaker, of same type as the output circuit breaker, shall be furnished and installed for purposes of load bank testing or other temporary service needs.
- Q#10 Is there a valve in the existing natural gas supply line or is "hot gas" work involved?
- A#10 There is an existing valve on the natural gas supply line; therefore, no "hot gas" work is required to complete the Work.
- Q#12 Does the five (5) year warranty need to cover travel, parts, and mileage?
- A#12 Yes. This Addendum No. 1 modifies the Contract Documents to ensure that the five (5) year warranty shall include travel and labor hours, parts, and mileage.
- Q#13 The allowable downtime of one-half hour may be difficult to achieve. Will the Commission consider extending the allowable downtime?
- A#13 The Contractor shall be able to utilize the existing Ohio Turnpike Commission portable generator system to ensure that during the one-half (1/2) hour downtime (disconnection from backup generator), service is maintained.
- Q#14 Is standby power available from the temporary portable generator?
- A#14 Yes, the Contractor shall be able to utilize the existing Ohio Turnpike Commission portable generator system for the duration of the Project. See response to Q#13.

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### ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 P.M., OCTOBER 10, 2012:

- Q#16 Do we need to include the conductors from the ATS to the generator or can we use the existing conductors?
- A#16 Although currently there are no known operational issues with the existing conductors, the Contract is for the replacement and warranty of a complete emergency generator system. The Commission will be able to utilize components of the existing generator system at other Ohio Turnpike locations.
- Q#17 I am requesting that MTU Onsite Energy be listed as an equal for the above listed project. We have supplied the last four (4) generators for the new Turnpike Rest Areas in Williams County and in Mahoning County I have attached a cut sheet for our 200kW natural gas generator for your information.
- A#17 MTU Onsite Energy is an Approved Equal, and this Addendum No. 1 modifies the Contract Documents to reflect the approval.

# THE FOLLOWING MODIFICATIONS ARE MADE TO THE CONTRACT DOCUMENTS FOR INVITATION NO. 4190:

Modifications are shown with **bold italicized** text and deletions are shown with strikethrough text.

The Cover Page and Page 1a of the <u>NOTICE TO BIDDERS</u> are hereby modified to extend the Bid Opening Date from October 12, 2012 to 2:00 P.M. (E.D.T.) on October 19, 2012.

Page 7c – <u>SPECIFICATIONS</u>, Section 1 03 entitled "<u>QUALITY ASSURANCE</u>" at Paragraph G, is modified as follows:

G. The complete standby electric power system, including 1800 r/min engine generator set and transfer and bypass-isolation switch equipped with set exerciser, and running time meter, *inclusive of travel, parts and labor*, shall be warrantied for a period of five (5) years or two thousand (2,000) operating hours, whichever occurs first, from the date of Final Acceptance. Multiple warranties for individual components (engine, generator, controls, etc.) will not be acceptable. Satisfactory warranty documents must be provided This warranty shall be detailed in available written documents. In the judgment of the specifying authority, the manufacturer supplying the warranty for the complete system must have necessary financial strength and technical expertise with all components supplied to provide adequate warranty support.

Page 7c - <u>SPECIFICATIONS</u>, Section 1.03 entitled "<u>QUALITY ASSURANCE</u>" at Paragraph H, is modified as follows:

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- H. Equipment as described herein and shown on the Drawings is that as manufactured by Caterpillar, Generac Industrial Power, Kohler Power, *MTU Onsite Energy*, or approved equal. (See page 2e, Section O for instructions on Proposed Equals).
- Page 7j <u>SPECIFICATIONS</u>, Section 2.06 entitled "<u>AUXILIARY EQUIPMENT</u>" at Paragraph D, is modified as follows:
  - Output Circuit Breakers: The generator control console shall include a molded-case electronic trip circuit breaker rated at 350 amps at 480 volt A.C., with interrupting capacity at leaset equal to the available fault current production capability of the generator system. A second (auxiliary) circuit breaker, of same type as the output circuit breaker, shall be furnished and installed for purposes of load bank testing or other temporary service needs. The breakers shall be housed in a separate enclosure with suitable load side lug landing space for the conductors indicated on the Plans.

The attached replaces the Cover Page, Page 1a of the Notice to Bidders, and Pages 7c and 7j of the Specifications in conjunction with the Contract Documents for Invitation No. 4190.

(Firm Name) \_\_\_\_\_\_\_(Signature) \_\_\_\_\_\_(Printed Name) \_\_\_\_\_\_(Date)

Receipt of Addendum No. 1. Invitation No. 4190 is hereby acknowledged:

BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.

# **OHIO TURNPIKE COMMISSION**

682 PROSPECT STREET

**BEREA, OHIO 44017** 

PROCUREMENT DEPARTMENT 440-234-2081

BID INVITATION NO. 4190

# FOR THE FURNISHING AND INSTALLATION OF ONE (1) NATURAL GAS POWERED, CURRENT MODEL YEAR, EMERGENCY STAND-BY GENERATOR SYSTEM

PRE-BID MEETING: OCTOBER 4, 2012

**OPENING DATE EXTENDED:** 

2:00 P.M (E.D.T.), OCTOBER 42 19, 2012

SUBMITTED BY:	
COMPANY NAME:	
CONTACT NAME:	
STREET ADDRESS:	
CITY AND STATE:	ZIP:
TELEPHONE NUMBER:	
FAX NUMBER:	
EMAIL:	

#### **ATTACHMENTS:**

- Bonding Requirements (1 Page)
- Drawings (5 Sheets)

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### OHIO TURNPIKE COMMISSION

682 PROSPECT STREET BEREA, OHIO 44017

#### NOTICE TO BIDDERS

### INVITATION NO. 4190

Sealed Bids for furnishing to the Ohio Turnpike Commission, its requirements for, the Furnishing and Installation of One (1) Natural Gas Powered, Current Model Year, Emergency Stand-By Generator System, will be received in the office of the Procurement Manager at the principal office of the Commission, Ohio Turnpike Administration Building, 682 Prospect Street, Berea, Ohio 44017, until 2:00 P.M. (E.D.T.), October 12 19, 2012.

All Bidders are strongly encouraged to attend the <u>Pre-Bid Meeting on Thursday, October 4</u>, <u>2012 at 10:00 a.m.</u>, at the following location: Interchange 161 Utility Building, Strongsville, Ohio

### At said hour all Bids will be publicly opened and read.

The General Terms and Conditions, Specifications, Special Provisions, Bid, Affidavit, Contract and Performance Bond are on file and available to any interested person in the aforesaid Procurement Manager's office. These documents will be forwarded, upon request and without charge, to any prospective Bidder.

### Prevailing Wage Rates are applicable to this Contract.

Each Bid must be on the form prescribed by the Commission and must comply with the terms and conditions set forth in the "Contract Documents."

Each Bid must be accompanied by a Combination Ten Percent (10%) Bid Guaranty Bond/Performance Bond Form covering Fifty Percent (50%) of the total estimated Contract value (based on One Hundred Percent (100%) of the estimated quantities), or a certified check, cashier's check or letter of credit on a solvent bank, payable to the order of the Ohio Turnpike Commission, in an amount not less than Ten Percent (10%) of the net total amount Bid, adjusted for a twenty (20) day term discount, if offered. These Bid Guaranty requirements are in conformance with the Ohio Revised Code Sections 153.54 and 9.312.

If a Combination Bid Guaranty/Performance Bond will be submitted by a Bidder, such bond must be on a form approved by the Commission. Approved bond forms are contained herein. The certified check, cashier's check, letter of credit or Bid Guaranty Bond will be

### **SPECIFICATIONS**

- B. The electric generating system must meet all requirements of NFPA 110 including design specifications, prototype tests, one (1) step full-load pickup, and installation acceptance.
- C The responsibility for performance to this Specification in its entirety cannot split up among individual suppliers of components comprising the system, but must be assumed solely by the supplier of the system. The manufacturer shall furnish schematic and wiring diagrams for the engine-generator set.
- D. All controls shall be the standard of the manufacturer, who is engaged in the manufacture of generators and has them available for sale on the open market. Control parts shall be identified by part numbers of this manufacturer and shall have second source listing where applicable. Control systems that are supplied by a sub-vendor or subcontractor of the vendor and not incorporated within the documentation drawings of the generator manufacturer are not acceptable.
- E. The manufacturer shall have printed literature and brochures describe the standard series specified (not a one (1) of a kind fabrication). Unless specified otherwise herein, all performance data and other information shall be as on the manufacturer's printed literature. Performance data shall be the result of test procedures in accordance with nationally recognized standards, plus such other procedures that are judged necessary by the manufacturer to insure maximum service reliability for emergency systems, and shall be available for inspection by the Architect/Engineer upon request.
- F The intent of this Specification is to provide equipment of <u>proven</u> reliability and compatibility. Three (3) separate series of tests shall be performed: Factory Prototype Model Tests, Factory Production Model Tests, and Field Tests.
- The complete standby electric power system, including 1800 r/min enginegenerator set and transfer and bypass-isolation switch equipped with set exerciser, and running time meter, *inclusive of travel*, *parts and labor*, shall be warranted for a period of five (5) years or two thousand (2,000) operating hours, whichever occurs first, from the date of Final Acceptance. Multiple warranties for individual components (engine, generator, controls, etc.) will not be acceptable. Satisfactory warranty documents must be provided. This warranty shall be detailed in available written documents. In the judgment of the specifying authority, the manufacturer supplying the warranty for the complete system must have necessary financial strength and technical expertise with all components supplied to provide adequate warranty support.
- H Equipment as described herein and shown on the Drawings is that as manufactured by Caterpillar, Generac Industrial Power, Kohler Power, *MTU Onsite Energy*, or approved equal. (See page 2e, Section O for instructions on Proposed Equals).

# **SPECIFICATIONS**

Output Circuit Breakers: The generator control console shall include a molded-case electronic trip circuit breaker rated 350 amps at 480 volt A.C., with interrupting capacity at lease equal to the available fault current production capability of the generator system. A second (auxiliary) circuit breaker, of same type as the output circuit breaker, shall be furnished and installed for purposes of load bank testing or other temporary service needs. The breakers shall be housed in a separate enclosure with suitable load side lug landing space for the conductors indicated on the Plans.

# 2.07 <u>AUTOMATIC TRANSFER/BYPASS ISOLATION SWITCH</u>

- An automatic transfer and bypass isolation switch ("ATS") shall be provided on the generator system to manually permit convenient electrical bypass and isolation of the automatic transfer switch that could not otherwise be tested and maintained without interrupting the load. The ATS shall be appropriately sized (larger than 350 amps) to ensure that the ATS meets the requirements of the upstream circuit protection, both on the utility side and the generator side of the switch. Bypass of the load to either the normal or emergency power source with complete isolation of the automatic transfer switch shall be possible regardless of the status of the automatic transfer switch. The bypass isolation switch shall permit proper operation by one (1) person through the movement of a maximum of two (2) handles at a common dead front panel. The entire system shall consist of two (2) elements: the automatic transfer switch and the bypass isolation switch furnished completely factory interconnected and tested.
  - The automatic transfer switch shall consist of a power transfer module and a control module, interconnected to provide complete automatic operation. The automatic transfer switch shall be mechanically held and electrically operated by a single-solenoid mechanism energized from the source to which the load is to be transferred. The switch shall be rated for continuous duty and be inherently double-throw. The switch shall be mechanically interlocked to ensure only one (1) of two (2) possible positions, normal or emergency. The automatic transfer switch shall be suitable for use with emergency sources such as an engine or turbine driven generator source or another utility source.
    - a All main contacts shall be silver composition. They shall be protected by arcing contacts in sizes 600 amperes and over. The operating transfer time in either direction shall not exceed one-tenth (1/10) of a second.
    - b. The operating speed of the bypass switch contacts shall be the same as the automatic transfer switch and independent of the speed of operation of the bypass handle.

01850022 - GENERATORS, PORTABLE, ENGINE D 05800002 - ENGINES AND MOTORS, INDUSTRIAL 05530006 - ELECTRICAL:HEATING & COOLING,L

ABERDEEN MECHANICAL INC 4219 E. 71ST STREET CLEVELAND, OH 44105 ATTN: JACK MAY, JR. ADVANTAGE FORD P.O. BOX 1167 FREMONT, OH 43420-8167

ALPINE POWER SYSTEMS 1484 MEDINA ROAD #109 MEDINA, OH 44256 ATTN: BOB BILDSTEIN

**INVITATION NO. 4190** 

ALTERNALITE ELECTRIC INC 4171 LINDEN CIRCLE NORTH OLMSTED, OH 44070 ATTN: GERTRUDIS RAMOS AP O'HORO COMPANY 3130 BELMONT AVE YOUNGSTOWN, OH 44505 ATTN: JERRY BAILEY

AUTOMATION ZONE, INC 508 E. LUCAS STREET CASTALIA, OH 44824 ATTN: DAVE PFISTER BAY-WEST ELECTRIC CO. INC. 20107 MERCEDES DRIVE ROCKY RIVER, OH 44116 ATTN: MARGO KAVALEC BINKELMAN CORPORATION 2601 HILL AVENUE TOLEDO, OH 43607 ATTN: REBECCA CONRAD

BOILERS, CONTROLS & EQUIP. 3935 N DETROIT AVENUE TOLEDO, OH 43612 ATTN: TOM SARGENT BRUSH CREEK SALES & RENTAL 1401 S. DEFIANCE STREET P.O. BOX 67 ARCHBOLD, OH 43502 ATTN: BRAD A SHORT BUCKEYE POWER SALES CO, INC. 8465 TOWER PARK DRIVE TWINSBURG, OH 44087-0394 ATTN: DOUG MILNER

C & E SALES, INC. 677 CONGRESS PARK DR DAYTON, OH 45459 ATTN: CHRIS THOMPSON CARDINAL ELECTRIC POWER INC. 5984 WEST SOUTH RANGE RD SALEM, OH 44460 ATTN: RAJA SAMBANDHAM CASCADE GROUP, THE 10380 STATE ROUTE 43 STREETSBORO, OH 44241 ATTN: BARBARA KING

CCI NORTH COAST 13960 BROOKPARK ROAD CLEVELAND, OH 44135 ATTN: JOE NORGROVE

CLARKE POWER SERVICES, INC 3070 SANDBROOK STREET MEMPHIS, TN 38116 ATTN: RUSSELL O'KEEFE COLUMBUS EQUIPMENT COMPANY 65 EAST KINGSTON AVENUE COLUMBUS, OH 43207 ATTN: SHERMAN MARCUM

COMPANY WRENCH, LTD 4805 SCOOBY LANE CARROLL, OH 43112 ATTN: TODD SAUER CONCRETE CUTTING SYSTEMS 545 GRANT STREET AKRON, OH 44311 ATTN: CARL CONSTRUCTION EQUIP & SUPPLY 3015 OLD RAILROAD ROAD SANDUSKY, OH 44870 ATTN: STEVE MICHAELS

CRESCENT ELECTRIC SUPPLY 4800 VAN EPPS BLVD SUITE 103BC BROOKLYN HEIGHTS, OH 44131 ATTN: VINCE BROWN CROSSBOW SYSTEMS LTD. 814 MORRISON ROAD GAHANNA, OH 43230 ATTN: SUSAN CROSS CUMMINS BRIDGEWAY 7585 NORTHFIELD ROAD CLEVELAND, OH 44146 ATTN: DANIEL VANA

CYNGIER HEATING & AIR COND. 4656 WARNER ROAD CLEVELAND, OH 44125 ATTN: ROSEANN M CYNGIER DOAN PYRAMID, LLC 5069 CORBIN DRIVE BEDFORD HEIGHTS, OH 44128 ATTN: JEFF BARTOLOVICH DON MOULD'S PLANTATION, INC. 9449 ISLAND ROAD NORTH RIDGEVILLE, OH 44039 ATTN: KRISTEN SEITH

DYNAMIC CURRENTS CORP P O BOX 990 HOLLAND, OH 43528 ATTN: JOHN ISOLA E.M M./BLACK'S DISTRIBUTOR P.O. BOX 17098 DAYTON, OH 45417 ATIN: SAMUEL BLACK E.I. ELECTRIC LID. 5465 ENTERPRISE BLVD TOLEDO, OH 43612 AITN: FRITZ TRESSO EARL MECHANICAL SERVICES INC. 12288 CO. RD. M WAUSEON, OH 43567 ATTN: JEFF EARL EAST-WEST CONSTRUCTION CO INC 7120 HARVARD AVE. CLEVELAND, OH 44105-7307 ATTN: SUNIL DESAI ELECTRIC TOOL & EQUIPMENT INC 3637 BRIARFIELD BLVD MAUMEE, OH 43537 ATTN: TIM BORTNER

ENDURANCE POWER PRODUCTS INC 6200 ARBOR ROAD LINCOLN, NE 68517 ATTN: BARBARA HERMAN ENZO'S CLEANING SOLUTIONS LLC 2436 W. MONROE STREET SANDUSKY, OH 44870 ATTN: TIM ESPOSITO FALLSWAY EQUIPMENT CO INC. P.O. BOX 4537 AKRON, OH 44310 ATIN: JEFF MCDIFFITT

FASTENAL COMPANY 1615 N. RIVER ROAD FREMONT, OH 43420 ATTN: ROBERT WAGNER FREDERICKS POWER EQ. 2582 WEST STATE STREET FREMONT, OH 43420 ATTN: DAN

GATEWAY ELECTRIC INC. 4450 JOHNSTON PARKWAY CLEVELAND, OH 44128 ATTN: RAJINDER SINGH

GATTO ELECTRIC 4501 WILLOW PARKWAY CLEVELAND, OH 44125 ATTN: CARRIE KRESS GENERATOR SPECIALIST, INC 12038 WOODWORTH ROAD NORTH LIMA, OH 44452 ATTN: MIKE KRAKE GEXPRO 5605 GRANGER ROAD CLEVELAND, OH 44131

GODWIN PUMPS OF AMERICA INC. 84 FLOODGATE ROAD BRIDGEPORT, NJ 08014 ATTN: DAVID HIGGS GRAYBAR ELECTRIC 1333 E. MANHATTAN BLVD TOLEDO, OH 43608 ATTN: GORDON JUSTEN GRAYBAR ELECTRIC 975 EAST TALLMADGE AKRON, OH 44310 ATTN: GORDON JUSTEN

GRAYBAR ELECTRIC CO 6161 HALLE DRIVE VALLEY VIEW, OH 44125 ATTN: GORDON JUSTEN GROSS ELECTRIC, INC. 2807 N. REYNOLDS RD. P.O. BOX 352377 TOLEDO, OH 43635 ATIN: JACKIE HANF HANNON ELECTRIC COMPANY 11321 CONCORD-HAMBDEN ROAD PAINESVILLE, OH 44077-9704 ATTN: RICHARD FRANK

HEATECH CLEANING SYS & EQUIP 360 N. MAIN STREET HURON, OH 44839 ATTN: TOM CILIMBURG HERTZ EQUIPMENT RENTAL 21913 AURORA ROAD BEDFORD HEIGHTS, OH 44146 ATTN: CHRISTOPHER J. FONZO HI-MARK CONSTRUCTION GROUP 3577 COMMERCE DRIVE FRANKLIN, OH 45005 ATTN: DENISE COX

HILL INTERNATIONAL TRUCKS LLC 47866 YFO ROAD EAST LIVERPOOL, OH 43920 ATTN: GARFIELD MEEKS

HOGAN ELECTRIC COMPANY, LLC 3633 EAST 78TH STREET CLEVELAND, OH 44105 ATTN: JOHN W HOGAN HYDE'S AUTOMOTIVE, INC 3984 WATERLOO ROAD P.O. BOX 179 RANDOLPH, OH 44265 ATTN: PAUL S. HYDE, SR.

JACCO & ASSOCIATES 61 MILFORD HUDSON, OH 44236 ATTN: DAVE WARNER JACK GIBSON CONSTRUCTION CO. 2460 PARKMAN RD. N W WARREN, OH 44485 ATTN: CRAIG FAUVIE

JAD EQUIPMENT 1208 AMERITECH BL VD. YOUNGSTOWN, OH 44509 ATTN: DAVIDA HUGHES

JASPER ENGINES & TRANSMISSIONS 815 WERNSING ROAD JASPER, IN 47546 ATTN: LEO SIEWERS JOHNSTONE SUPPLY INC 4689 SPRING ROAD BROOKLYN HEIGHTS, OH 44131 ATTN: TED VANCS JOSEPH INDUSTRIES, INC 10039 AURORA-HUDSON ROAD STREETSBORO, OH 44241 ATTN: ANTHONY MARINELLI JI PACKARD & ASSOCIATES, INC 275 INVESTMENT COURT VERONA, WI 53593 ATTN: TERRY WESTERGARD KONECRANES 2221 IEDROW ROAD TOLEDO, OH 43614 ATTN: SCOTT BROSSIA LEADER ELECTRIC SUPPLY CO.
4711 HINCKLEY INDUSTRIAL PKWY
CLEVELAND, OH 44109
ATTN: SCOI ZIMMERMAN

LEMSCO, INC 2056 CANION AVENUE IOLEDO, OH 43620 ATTN: JOHN RUMBAUGH LIBERTY AUTO PARTS INC. 1724 E. PERRY STREET PORT CLINION, OH 43452 ATTN: KARL BAME LOGICAL SERVICES, INC 4614 PROSPECT AVENUE #302 CLEVELAND, OH 44103 ATTN: LAVENIA E FERGUSON

LOWE'S 1952 N. SR 53 FREMONI, OH 43420 ATTN: DERK WALKER LOWE'S HOME CENTERS, INC 1210 STATE ROUTE 303 STREETSBORO, OH 44241-1000 ATTN: DERK WALKER LOWE'S STORE #224 646 MIDWAY BLVD ELYRIA, OH 44035 ATTN: DERK WALKER

MARS ELECTRIC COMPANY 38868 MENTOR AVENUE WILLOUGHBY, OH 44094 ATTN: DAN NITOWSKY MARTIN INDUSTRIAL TRUCK 13811 ENTERPRISE AVENUE CLEVELAND, OH 44135 ATTN: KEN MONIGOMERY MAS/CON EQUIPMENT & SUPPLY CO. 871 MOE DR. #1 AKRON, OH 44310 ATTN: DOUGLAS WIRT

MCCARTHY SYSTEMS CO, INC 121 E. CALLA ROAD POLAND, OH 44514 ATTN: TERRY MCCARTHY MCNAUGHTON-MCKAY ELECTRIC 355 TOMAHAWK DRIVE MAUMEE, OH 43537 ATTN: STEPHEN WISNER MEDINA TRACTOR SALES 6080 NORWALK ROAD MEDINA, OH 44256 ATTN: BRYAN H. OR BRENT H

MICHEAL'S MOBILE OIL LLC 1227 COPLEY ROAD AKRON, OH 44320 ATTN: MICHEAL LANE MICHIANA CONTRACTING INC P O. BOX 929 PLYMOUTH, IN 46563 ATTN: DONALD WENDEL MICK ELECTRIC CO. INC. 3219 SOUTH AVENUE TOLEDO, OH 43609 ATTN: JIM RADTKE

MIDWEST INDUSTRIAL SALES 23441 SPRAGUE ROAD COLUMBIA STATION, OH 44028 ATTN: FRED KRASE MINORITY ELECTRIC COMPANY, INC 200 EAST 28TH STREET LORAIN, OH 44055 ATTN: HOWARD WASHINGTON MSC INDUSTRIAL SUPPLY 9177 DUTTON ROAD IWINSBURG, OH 44087 ATIN: VINCE CONTINI

NEW BEGINNINGS BUILDERS, INC 1333 ETHEL AVENUE LAKEWOOD, OH 44107 ATTN: RENEE KAPPELE NORTHERN TOOL & EQUIPMENT 2800 SOUTHCROSS DRIVE WEST P.O. BOX 1219 BURNSVILLE, MN 55337 ATTN: JOSE SIGUANTAY NORTHLAND ELECTRIC 28890 HAMPTON DRIVE NORTH OLMSTED, OH 44070-3045 ATTN: TONY WOOTTEN

O.E MEYER COMPANY 1005 EVERETT ROAD FREMONT, OH 43420 ATTN: JOHN BENNER O P.I. CORRECTIONAL INDUSTRIES 1221 MCKINLEY AVENUE COLUMBUS, OH 43222 ATTN: SHARON RYAN OHIO MATERIALS HANDLING INC 8155 ROLL & HOLD PARKWAY MACEDONIA, OH 44056 ATTN: JAMES ORENGA

PEAK ELECTRIC INC. 2801 W BANCROFT ST - MS410 IOLEDO, OH 43606 ATTN: MILION MCINTYRE JR. PHILLIPS CONTRACTORS SUPPLY 1800 E. 30TH STREET CLEVELAND, OH 44114 ATTN: RICK LEWIS POST PAINTING, INC. 24816 AURORA ROAD UNIT F BEDFORD HEIGHTS, OH 44146 ATTN: LOUISE POST POWER TOOL SALES & SVC, INC. 6713 ANGOLA ROAD HOLLAND, OH 43528 ATTN: GREG STAMMEN PROFESSIONAL ELECTRIC PROD. CO 33210 LAKELAND BLVD EASTLAKE, OH 44095 ATTN: JASON GUY QUALITY KLEEN PLUS P O. BOX 608853 CLEVELAND, OH 44108 ATTN: WILLIAM J J. JACKSON

RCI 3560 NORTON RD CLEVELAND, OH 44111 ATTN: MARK VON DUHN RECO EQUIPMENT INC. 2841 BRECKSVILLE ROAD RICHFIELD, OH 44286 ATTN: DON BARNHART RENTAL SERVICE CORPORATION 2292 ARLINGTON ROAD AKRON, OH 44319 ATTN: JOHN CORSO

REXEL AKRON 111 EAST VORIS STREET AKRON, OH 44311 ATTN: LINDA HALL

REXEL, INC. 18601 CLEVELAND PARKWAY CLEVELAND, OH 44135 ATIN: KEN MCGRAW RFC CONTRACTING INC. 13477 PROSPECT STREET SUITE 105 STRONGSVILLE, OH 44149 ATTN: ROGER RIACHI

ROMANOFF ELECTRIC CO. 5570 ENTERPRISE BLVD. TOLEDO, OH 43612 ATTN: JERRY HEMINGER RUHLIN COMPANY 6931 RIDGE RD P.O. BOX 190 SHARON CENTER, OH 44274 ATTN: DEAN COLLURA SALLIE'S WHOLESALE & CONST INC 728 PARK AVENUE EAST MANSFIELD, OH 44901-1266 ATTN: SALLIE SYLVESTER

SAM WINER MOTORS, INC 3417 EAST WATERLOO ROAD AKRON, OH 44312 ATTN: JOHN MISKAR SAMSEL SUPPLY COMPANY 1285 OLD RIVER ROAD CLEVELAND, OH 44113 ATTN: PETE MILLER SANDUSKY ELECTRIC, INC 39097 CENTER RIDGE ROAD NORTH RIDGEVILLE, OH 44039 ATTN: RALPH IEMMA

SANTON ELECTRIC COMPANY INC. 1048 MACKLIN ROAD NEW WATERFORD, OH 44512 ATTN; MAIT HANLON SOUTHEASTERN EQUIPMENT CO 1500 INDUSTRIAL PARKWAY BRUNSWICK, OH 44212 ATTN: DAVID BENCZE SUN TECHNOLOGIES, INC 17106 PARK DRIVE CHAGRIN FALLS, OH 44023 ATTN: STAN NEWELL

SUPERIOR ELECTRIC SUPPLY CO 9445 WEST RIDGE ROAD ELYRIA, OH 44035 I & S MOWER SERVICE, INC 25438 SPRAGUE ROAD OLMSTED FALLS, OH 44138 AT IN: GARRY THOMPSON TAS, INC ELECTRICAL CONTRACTOR
433 DEARBORN AVENUE
TOLEDO, OH 43605
ATTN: THOMAS SUSOR, SR.

TECH POWER SYSTEMS, INC 2520 HOLMES STREET KANSAS CITY, MO 64108 ATTN: WILLIAM TREMCO INC. 4615 DOVER CENTER RD NORTH OLMSTED, OH 44070 ATTN: SEAN GRISWOLD TRI-COUNTY COMPRESSOR & PUMP 37825 DETROIT ROAD #101F WESTLAKE, OH 44145-2127 ATTN: WILLIAM SISKO

TWIN COUNTY CONSTRUCTION CO 8 NICHOLAS DRIVE POTTSTOWN, PA 19464 ATTN: RICHARD ROESLER JR U.S. UTILITY CONTRACTOR CO. 3592 GENOA ROAD PERRYSBURG, OH 43551 ATTN: JOE LAPLANTE UCI CLEVELAND 5555 GRANGER ROAD INDEPENDENCE, OH 44131 ATTN: BRIAN YUHNKE

UNITED RENTALS 620 ECKEL ROAD PERRYSBURG, OH 43551 ATTN: KEVIN THUMEL UNITED RENTALS INC (CLE) 2415 BROOKPARK ROAD CLEVELAND, OH 44134-1404 ATTN: JOHN CLARK VERNON NAGEL INC 0154 COUNTY ROAD 11C NAPOLEON, OH 43545 ATTN: BILL ZIMMERMAN W.L. TUCKER SUPPLY CO 2800 SECOND STREET CUYAHOGA FALLS, OH 44221 ATTN: GARY WITZBERGER W W. WILLIAMS 1176 INDUSTRIAL PARKWAY NORTH BRUNSWICK, OH 44212 ATTN: DOUG BOWMAN WACKER NEUSON CORPORATION N92 W15000 ANTHONY AVENUE MENOMONEE FALLS, WI 53090 ATTN: TODD CHRISTIFULLI

WADSWORTH SLAWSON N E 1792 EAST 40TH ST CLEVELAND, OH 44103 ATTN: JOHN FLOWERS WESCO DISTRIBUTION 4741 HINCKLEY INDUSTRIAL PKWY CLEVELAND, OH 44109 ATTN: JAMES AUSTIN WEST SHORE EQUIPMENT, INC. 32200 LORAIN ROAD NORTH RIDGEVILLE, OH 44039 ATTN: CRAIG GORSUCH

WOLFF BROTHERS SUPPLY, INC 6078 WOLFF ROAD MEDINA, OH 44256 ATTN: JACK CARR WOOLACE ELECTRIC CORP 01978 COUNTY ROAD 22A STRYKER, OH 43557 ATTN: CATHERINE SALISBURY WORCESTER'S INC.
34200 LORAIN ROAD
NORTH RIDGEVILLE, OH 44039
ATTN: ALAN WORCESTER

YARO SUPPLY COMPANY 521 BYERS ROAD SUITE 112 DAYTON, OH 45342 ATTN: HARRY BOSSEY YESCO, INC. 44612 STATE ROUTE 14 COLUMBIANA, OH 44408 YORK DIESEL SERVICE, INC 6469 FENN ROAD MEDINA, OH 44256 A I TN: JEFF EVANS

YOUNG TRUCK SALES, INC DBA YOUNG VOL VO 2230 SHEPLER CHURCH SW CANION, OH 44706 ATTN: STEVE WILLIAMS ZENITH SYSTEMS LLC 5069 CORBIN DRIVE BEDFORD HEIGHTS, OH 44128 ATTN: STEVEN JONES GENERATOR SYSTEMS, INC. 1460 INDUSTRIAL PARKWAY AKRON, OHIO 44310 ATTN: JIM HAMMAN

OHIO CAI 900 KEN-MAR INDUSTRIAL PARKWAY BROADWAY HEIGHTS, OH 44147 Turpike Comission

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RICK NE	RONE UR	NERONE	216-662-2235	RLNERONE Q NERONE. B12
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Mike	Sheppard	Fresch Electric	419-626-2535	freschelectule BATT
Don Bo		MSC	330-518-3084	DiBotto Mccarthy Systems, Com
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MIKE K	RHICK C	TENBRATUR SPISCIALIS	330-549-5393	AC POWER Q RUADRUNNER.
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