

**NOTICE TO BIDDERS
NORTH BERGEN MUNICIPAL UTILITIES AUTHORITY
HUDSON COUNTY, NEW JERSEY**

Sealed bids will be received by the North Bergen Municipal Utilities Authority, 6200 Tonnelles Avenue, North Bergen, New Jersey 07047 in the County of Hudson and State of New Jersey on June 28, 2017 at 11:00 a.m. prevailing time, and then publicly opened and read aloud for:

**CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT
NORTH BERGEN MUNICIPAL UTILITIES AUTHORITY
HUDSON COUNTY, NEW JERSEY**

The work to be performed under this contract includes the following:
Replacement of existing pump at the Central Pumping Station.

Principal items of work in the project include:

- Removal of one (1) pump and drive
- Installation of one (1) centrifugal sewage pump and drive

The work contemplated under this Contract shall be completed within 180 calendar days from the date of execution of the contract.

Copies of plans, specification, and contract documents will be on file for public inspection and may be obtained upon payment of \$ 75.00, said sum not refundable, at the North Bergen Municipal Utilities Authority, 6200 Tonnelles Avenue, North Bergen, New Jersey 07047, between the hours of 9:00 a.m. and 4:00 p.m. prevailing time, Monday through Friday, excluding legal holidays.

Each bid must be made upon the prescribed forms, furnished with the Contract Drawings and Specifications, including the non-collusion affidavit and ownership statement compliance form and must be accompanied by a Consent of Surety and a certified check, cashier's check, or Bid Bond of not less than ten (10%) percent of the amount bid and, not to exceed \$20,000.00. Such checks and Bonds shall be made payable to the Owner and will be held as a Guarantee that in the event the Bid is accepted and a Contract awarded to the bidder, the Contract shall be duly executed and its performance properly secured. The successful bidder shall furnish and deliver to the Owner a performance and payment bond in the amount of 100 percent of the accepted bid amount as security for the faithful performance and payment of the Contract. Further, the successful bidder must furnish the policies or Certificates of Insurance required by the Contract. In default thereof, said checks and the amount represented thereby will be forfeited to the aforesaid Owner as liquidated damages. Bids must be accompanied, in the case of corporations not chartered in New Jersey, by proper certificate that such corporation is authorized to do business in the State of New Jersey.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27 regarding equal employment opportunity, as amended. All corporations and partnerships must comply with Chapter 33, of the P.L. of 1977, regarding disclosure of partners and stockholders. Each bid must be enclosed in a sealed envelope bearing the name and address of the bidder, addressed to the Owner and labeled for the CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT. The bid shall be hand delivered at the date and time of the opening.

The successful bidder will be required to comply with all provisions of prevailing wage rates as determined by the New Jersey Department of Labor.

All bids shall be irrevocable, not subject to withdrawal and shall stand available for a period of sixty (60) days.

The Owner reserves the right to reject any and all bids, to waive informalities or irregularities in the bids received and to accept the bid from the lowest responsible bidder.

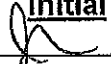
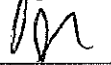
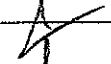
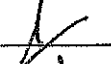
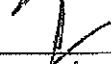
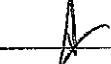
NORTH BERGEN MUNICIPAL UTILITIES AUTHORITY

Frank Pestana, Executive Director

PROPOSAL FORMS

BID DOCUMENT SUBMISSION CHECKLIST

All forms/certifications must be completed in full and initialed by the prospective bidder indicating inclusion of completed form with the bid documents. Failure to include any of the following will be a basis for disqualification of the bid.

	<u>Initial</u>
Bid Document Submission Checklist.....	
Bid Proposal Form	
Schedule of Prices	
Consent of Surety	
Acknowledgement of Receipt of Addenda	
Affirmative Action Compliance Notice	
Acknowledgement of Mandatory Equal Employment Opportunity Language and Mandatory Americans With Disabilities Act of 1990	
Stockholder Disclosure Certification.....	
Business Registration Certificates.....	
Request for Prevailing Wage Determination	
Public Works Contractor Registration (including named Sub-Contractors) (Copy of Public Works Contractor Registration Certificates).....	
Non-Collusion Affidavit.....	
Equipment Certification	
Bidder's Affidavit	
Bid Bond	
Bidder's Safety Acknowledgement.....	
Bidder's Qualification Form	
Plant and Equipment Questionnaire (4 pages)	
Iran Disclosure Form (P.L. 2012, Chapter 25)	
Naming of Subcontractors Form	

BID PROPOSAL FORM

TO: North Bergen Municipal Utilities Authority

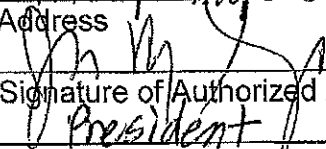
FOR: Central Pumping Station Pump No. 4 Replacement

The undersigned hereby declares that the only person or persons interested in the Proposal as principal or principals, is or are named below, and that no other person than herein below named has any interest in the Proposal. This Proposal is made without any connection with any other person or persons making a Proposal for the same purpose. The Proposal is in all respects fair and without collusion or fraud and that no officer or employee of the Owner is, shall be, or will become directly or indirectly, interested as a contracting party, partner, stockholder, surety or otherwise in the performance of the contract, or in the supplies, work, or business to which it relates.

It is further declared that the site of the work and the Contract Documents have been examined and it is also agreed that the work will be carried out and completed, if this Proposal is accepted, as specified and the undersigned will provide all the Superintendents, Labor, Material, Tools and Equipment, and all else necessary therefore, and incidental thereto for the items in the Proposal, complete in place, at the price per unit of measure for each scheduled item of work stated in the Schedule of Prices following.

It is understood that the quantities stated in this Schedule of Prices for the various items are estimates only and the Owner reserves the right to increase or decrease the items specified in the Contract Documents. It is further understood that the total price stated by the undersigned in the Schedule of Prices is based on the estimated quantities and it will control in the awarding of the Contract, and that payments will be made for the actual measurements of the authorized work as constructed in accordance with the unit price stated hereafter in the Schedule of Prices.

Accompanying this Proposal is a Consent of Surety and a certified check, cashier's check, or bid bond for a minimum of ten (10%) percent of the amount bid but not greater than \$20,000 payable to the Owner, which is agreed by the undersigned to be forfeited as liquidated damages, and not as a penalty, if the Contract is awarded to the undersigned, and the undersigned shall fail to execute the Contract for the work within the stipulated time. Otherwise, the bid security shall be returned to the undersigned as specified in the Contract Documents.

<u>Longo Electrical-Mechanical, Inc.</u>	<u>22-1621596</u>
Company Name	Federal I.D.# or Social Security #
<u>1 Harry Shape Blvd, Wharton, NJ 07885</u>	
Address	
	<u>Joseph M. Longo</u>
Signature of Authorized Agent	Type of Print Name
<u>President</u>	
Title	
<u>973-537-0400</u>	<u>6/28/17</u>
Telephone Number	Date
<u>973-537-0404</u>	<u>jmlongo@elongo.com</u>
Fax Number	E-mail Address

SCHEDULE OF PRICES
CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT
NORTH BERGEN MUNICIPAL UTILITIES AUTHORITY
HUDSON COUNTY, NEW JERSEY

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION AND UNIT PRICES	UNIT PRICE	COMPUTED TOTALS
1.	L.S.	Mobilization/Demobilization <u>Thirteen Thousand, Five Hundred Dollars</u> <u>Zero</u> Cents	Lump Sum	<u>\$13,500.00</u>
2.	L.S.	Replacement of Dry Pit Submersible Pump <u>Two Hundred & Sixty Thousand, Eight Hundred Dollars</u> <u>Zero</u> Cents	Lump Sum	<u>\$260,800.00</u>

TOTAL ITEMS 1 - 2 IN WORDS AND FIGURES

Two Hundred & Seventy Four Thousand Dollars \$ 274,300.00
Three Hundred Zero Cents

CONSENT OF SURETY

A performance bond will be required from the successful contractor on this project, and consequently, all bidders shall submit, with their bid, a consent of surety in substantially the following form:

To: North Bergen Municipal Utilities Authority

(Owner)

Re: Longo Electrical-Mechanical, Inc.

(Contractor)

CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT

(Project Description)

This is to certify that the The Ohio Casualty Insurance Company

(Surety Company)

will provide to North Bergen Municipal Utilities Authority

a performance bond in _____ (Owner)
the full amount of awarded contract, which shall meet any and all requirements under
N.J.S.A. 2A:44-143 through N.J.S.A. 2A:44-147, in the event that said contractor is awarded
a contract for the above project.

Longo Electrical-Mechanical, Inc.

(CONTRACTOR)

The Ohio Casualty Insurance Company

Francesca P. McAllan

(Authorized Agent of Surety Company)

Francesca P. McAllan, Attorney-in-fact

Date: June 28, 2017

**CONSENT OF SURETY MUST BE SIGNED AND SEALED BY AN AUTHORIZED AGENT
OR REPRESENTATIVE OF A SURETY COMPANY AND NOT BY THE INDIVIDUAL OR
COMPANY REPRESENTATIVE SUBMITTING THE BID.**

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7724669

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Angelo Sansano; Charlotte Wendland; Francesca P. McAllan; Jennifer Nicholas McBride

all of the city of DOVER, state of NJ, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 10th day of April, 2017



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 10th day of April, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company; and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 28th day of June, 2017



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary



THE OHIO CASUALTY INSURANCE COMPANY
FINANCIAL STATEMENT — DECEMBER 31, 2016

Assets		Liabilities	
Cash and Bank Deposits.....	\$62,496,514	Unearned Premiums.....	\$1,108,755,728
*Bonds — U.S Government.....	391,344,337	Reserve for Claims and Claims Expense	2,757,420,371
*Other Bonds.....	3,464,047,735	Funds Held Under Reinsurance Treaties.....	0
*Stocks	281,912,685	Reserve for Dividends to Policyholders.....	151,185
Real Estate.....	24,710,290	Additional Statutory Reserve.....	0
Agents' Balances or Uncollected Premiums.....	668,153,487	Reserve for Commissions, Taxes and	
Accrued Interest and Rents.....	31,694,708	Other Liabilities	<u>53,393,377</u>
Other Admitted Assets.....	<u>717,271,701</u>	Total	\$3,919,720,661
		Special Surplus Funds.....	\$ 15,241,173
		Capital Stock.....	4,500,000
		Paid in Surplus.....	738,183,897
		Unassigned Surplus.....	963,985,727
Total Admitted Assets.....	<u>\$5,641,631,457</u>	Surplus to Policyholders	<u>1,721,910,797</u>
		Total Liabilities and Surplus.....	<u>\$5,641,631,458</u>



* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from The Ohio Casualty Insurance Company's financial statement filed with the state of Ohio Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of The Ohio Casualty Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2016, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 23rd day of March, 2017.

TAMikolajewski

Assistant Secretary

SURETY ACKNOWLEDGMENT

State of New Jersey

County of Morris

On this 28th day of June, 2017

Before me personally came Francesca P. McAllan to me known, who

being by me duly sworn, did depose and say that he/she is an Attorney-in-Fact of

The Ohio Casualty Insurance Company the corporation described in and which executed the within instrument; that he/she knows the corporate seal of said corporation; that the seal affixed to the within instrument is such corporate seal, and that he/she signed the said instrument and affixed the said seal as Attorney-in-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

My commission expires

MARY A. HENDERSON
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 5/15/2019

Mary A Henderson

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA

NORTH BERGEN MUNICIPAL UTILITIES AUTHORITY

CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT

Pursuant to N.J.S.A. 40A:11-23.1a., the undersigned bidder hereby acknowledges receipt of the following notices, revisions, or addenda to the bid advertisement, specifications or bid documents. By indicating date of receipt, bidder acknowledges the submitted bid takes into account the provisions of the notice, revision or addendum. Note that the local unit's record of notice to bidders shall take precedence and that failure to include provisions of changes in a bid proposal may be subject for rejection of the bid. If no addendum was received, please initial in the "NONE RECEIVED" space below.

Local Unit Reference Number or Title of Addendum/Revision	How Received (mail, fax, pick-up, etc.)	Date Received

Acknowledge by bidder:

NONE RECEIVED: ☒

Name of Bidder: Longo Electrical-Mechanical, Inc.

By Authorized Representative: Joseph M. Longo, President

Signature: [Signature]

Print Name and Title: Joseph M. Longo, President

Date: 6/28/17

AFFIRMATIVE ACTION COMPLIANCE NOTICE
N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27 et seq.
GOODS AND SERVICES CONTRACTS
(INCLUDING PROFESSIONAL SERVICES)

This form is a summary of the successful Bidder's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

The successful Bidder shall submit to the public agency, after notification of award but prior to execution of this contract, one of the following three documents as forms of evidence:

(a) A photocopy of a valid letter that the bidder is operating under an existing Federally approved or sanctioned affirmative action program (good for one year from the date of the letter);

OR

(b) A photocopy of a Certificate of Employee Information Report approval, issued in accordance with N.J.A.C. 17:27-4;

OR

(c) A photocopy of an Employee Information Report (Form AA302) provided by the Division and distributed to the public agency to be completed by the bidder in accordance with N.J.A.C. 17:27-4.

The successful bidder may obtain the Affirmative Action Employee Information Report (AA302) from the contracting unit during normal business hours.

The successful bidder(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the bidder copy is retained by the bidder.

The undersigned bidder certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.1 et seq. and agrees to furnish the required forms of evidence.

The undersigned bidder further understands that his/her bid shall be rejected as non-responsive if said bidder fails to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27-1 et seq.

The undersigned agrees to comply with all laws relating to Affirmative Action, whether state, local or federal, for the entire period of the contract.

COMPANY: Longo Electrical-Mechanical Inc. SIGNATURE: [Signature]
PRINT NAME: Joseph M. Longo TITLE: President
DATE: 6/28/17

**ACKNOWLEDGEMENT OF MANDATORY EQUAL EMPLOYMENT OPPORTUNITY
LANGUAGE AND MANDATORY AMERICANS WITH DISABILITIES ACT OF 1990**

I Hereby Certify That Longo Electrical-Meehanical, Inc.
Name of Bidder

Has Submitted a Bid For Central Pumping Station Pump No 4 Replacement
Project Name

On This 28th Day of June, 20 17, And

In Compliance with Public Law 1975, Chapter 127 (NJAC 17:27), As

Described in Exhibit A and B within these bid specifications.

[Signature]
Authorized Signature

President
Title

Subscribed and Sworn Before Me

On June 28, 20 17.

[Signature]
Notary Public

(Please note: The Bidder must fill in and execute this page and submit it as part of the sealed bid.)

MERYL REHAUT
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

Exhibit A
**(Known as Exhibit B in Goods and Services Bid Specifications: A Guide
for New Jersey Local Public Agencies – Section C)**

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
N.J.S.A. 10:5-31 ET SEQ., N.J.A.C. 17:27

CONSTRUCTION CONTRACTS

During the performance of this contract, the Contractor agrees as follows:

The Contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the Contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, up-grading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The Contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The Contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the Contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The Contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer, pursuant to **N.J.S.A. 10:5-31 et seq.**, as amended and supplemented from time to time and the Americans with Disabilities Act.

When hiring or scheduling workers in each construction trade, the Contractor or subcontractor agrees to make good faith efforts to employ minority and women workers in each construction trade consistent with the targeted employment goal prescribed by **N.J.S.A. 17:27-7.2**; provided, however, that the Division may, in its discretion, exempt a Contractor or subcontractor from compliance with the good faith procedures prescribed by the following provisions, A, B and C, as long as the Division is satisfied that the Contractor or

subcontractor is employing workers provided by a union which provides evidence, in accordance with standards prescribed by the Division, that its percentage of active "card carrying" members who are minority and women workers is equal to or greater than the targeted employment goal established in accordance with N.J.S.A. 17:27-7.2. The Contractor or subcontractor agrees that a good faith effort shall include compliance with the following procedures:

- (A) If the Contractor or subcontractor has a referral agreement or arrangement with a union for a construction trade, the Contractor or subcontractor shall, within three business days of the contract award, seek assurances from the union that it will cooperate with the Contractor or subcontractor as it fulfills its affirmative action obligations under this contract and in accordance with the rules promulgated by the Treasurer pursuant to N.J.S.A. 10:531 et. seq., as supplemented and amended from time to time and the Americans with Disabilities Act. If the Contractor or subcontractor is unable to obtain said assurances from the construction trade union at least five business days prior to the commencement of construction work, the Contractor or subcontractor agrees to afford equal employment opportunities minority and women workers directly, consistent with this chapter. If the Contractor's or subcontractor's prior experience with a construction trade union, regardless of whether the union has provided said assurances, indicates a significant possibility that the trade union will not refer sufficient minority and women workers consistent with affording equal employment opportunities as specified in this chapter, the Contractor or subcontractor agrees to be prepared to provide such opportunities to minority and women workers directly, consistent with this chapter, by complying with the hiring or scheduling procedures prescribed under (B) below; and the Contractor or subcontractor further agrees to take said action immediately if it determines that the union is not referring minority and women workers consistent with the equal employment opportunity goals set forth in this chapter.
- (B) If good faith efforts to meet targeted employment goals have not or cannot be met for each construction trade by adhering to the procedures of (A) above, or if the Contractor does not have a referral agreement or arrangement with a union for a construction trade, the Contractor or subcontractor agrees to take the following actions:
 - (1) To notify the public agency compliance officer, the Division, and minority and women referral organizations listed by the Division pursuant to N.J.A.C. 17:27-5.3, of its workforce needs, and request referral of minority and women workers;
 - (2) To notify any minority and women workers who have been listed with it as awaiting available vacancies;
 - (3) Prior to commencement of work, to request that the local construction trade union refer minority and women workers to fill job openings, provided the Contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade;

(4) To leave standing requests for additional referral to minority and women workers with the local construction trade union, provided the Contractor or subcontractor has a referral agreement or arrangement with a union for the construction trade, the State Training and Employment Service and other approved referral sources in the area;

(5) If it is necessary to lay off some of the workers in a given trade on the construction site, layoffs shall be conducted in compliance with the equal employment opportunity and non-discrimination standards set forth in this regulation, as well as with applicable Federal and State court decisions;

(6) To adhere to the following procedure when minority and women workers apply or are referred to the Contractor or subcontractor:

(i) The contractor or subcontractor shall interview the referred minority or women worker.

(ii) If said individuals have never previously received any document or certification signifying a level of qualification lower than that required in order to perform the work of the construction trade, the Contractor or subcontractor shall in good faith determine the qualifications of such individuals. The Contractor or subcontractor shall hire or schedule those individuals who satisfy appropriate qualification standards in conformity with the equal employment opportunity and non-discrimination principles set forth in this chapter. However, a Contractor or subcontractor shall determine that the individual at least possesses the requisite skills, and experience recognized by a union, apprentice program or a referral agency, provided the referral agency is acceptable to the Division. If necessary, the Contractor or subcontractor shall hire or schedule minority and women workers who qualify as trainees pursuant to these rules. All of the requirements, however, are limited by the provisions of (C) below.

(iii) The name of any interested women or minority individual shall be maintained on a waiting list, and shall be considered for employment as described in (i) above, whenever vacancies occur. At the request of the Division, the Contractor or subcontractor shall provide evidence of its good faith efforts to employ women and minorities from the list to fill vacancies.

(iv) If, for any reason, said Contractor or subcontractor determines that a minority individual or a woman is not qualified or if the individual qualifies as an advanced trainee or apprentice, the Contractor or subcontractor shall inform the individual in writing of the reasons for the determination, maintain a copy of the determination in its files, and send a copy to the public agency compliance officer and to the Division.

(7) To keep a complete and accurate record of all requests made for the referral of workers in any trade covered by the contract, on forms made available by the Division and submitted promptly to the Division upon request.

- (C) The Contractor or subcontractor agrees that nothing contained in (B) above shall preclude the Contractor or subcontractor from complying with the union hiring hall or apprenticeship policies in any applicable collective bargaining agreement or union hiring hall arrangement, and, where required by custom or agreement, it shall send journeymen and trainees to the union for referral, or to the apprenticeship program for admission, pursuant to such agreement or arrangement. However, where the practices of a union or apprenticeship program will result in the exclusion of minorities and women or the failure to refer minorities and women consistent with the targeted county employment goal, the Contractor or subcontractor shall consider for employment persons referred pursuant to (B) above without regard to such agreement or arrangement; provided further, however, that the Contractor or subcontractor shall not be required to employ women and minority advanced trainees and trainees in numbers which result in the employment of advanced trainees and trainees as a percentage of the total workforce for the construction trade, which percentage significantly exceeds the apprentice to journey worker ratio specified in the applicable collective bargaining agreement, or in the absence of a collective bargaining agreement, exceeds the ratio established by practice in the area for said construction trade. Also, the Contractor or subcontractor agrees that, in implementing the procedures of (B) above, it shall, where applicable, employ minority and women workers residing within the geographical jurisdiction of the union.

After notification of award, but prior to signing a construction contract, the Contractor shall submit to the public agency compliance officer and the Division an initial project workforce report (Form AA 201) electronically provided to the public agency by the Division, through its website, for distribution to and completion by the Contractor, in accordance with N.J.A.C. 17:27-7. The Contractor also agrees to submit a copy of the Monthly Project Workforce Report once a month thereafter for the duration of this contract to the Division and to the public agency compliance officer.

The Contractor agrees to cooperate with the public agency in the payment of budgeted funds, as is necessary, for on-the-job and/or off-the-job programs for outreach and training of minorities and women.

- (D) The Contractor and its subcontractors shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the Division from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (NJAC 17:27).

Exhibit B
(Known as Appendix A in Goods and Services Bid Specifications: A
Guide for New Jersey Local Public Agencies – Section C)
AMERICANS WITH DISABILITIES ACT OF 1990
Equal Opportunity for Individuals with Disability

The contractor and the North Bergen Municipal Utilities Authority , (hereafter "owner") do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S121 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

The owner shall, as soon as practicable after a claim has been made against it, give written notice thereof to the contractor along with full and complete particulars of the claim, If any action or administrative proceeding is brought against the owner or any of its agents, servants, and employees, the *owner shall* expeditiously forward or have forwarded to the contractor every demand, complaint, notice, summons, pleading, or other process received by the owner or its representatives.

It is expressly agreed and understood that any approval by the owner of the services provided by the contractor pursuant to this contract will not relieve the contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the owner pursuant to this paragraph.

It is further agreed and understood that the owner assumes no obligation to indemnify or save harmless the contractor, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

STOCKHOLDER DISCLOSURE CERTIFICATION

NEW JERSEY PUBLIC LAW 1977, CHAPTER 33 REQUIRES EACH CORPORATION OR PARTNERSHIP SUBMITTING A BID TO ANY GOVERNMENTAL AGENCY TO ACCOMPANY THAT BID WITH A STATEMENT OF OWNERSHIP LISTING THE NAME AND ADDRESS AND PERCENTAGE OWNERSHIP OF EACH INDIVIDUAL OWNING TEN PERCENT (10%) OR MORE OF THE CORPORATION OR PARTNERSHIP. THIS FORM OR AN APPROPRIATE LISTING ON THE BIDDERS LETTERHEAD CONTAINING SIMILAR INFORMATION, MUST BE INCLUDED IN THE BIDDERS PROPOSAL WHEN THE BID IS ORIGINALLY SUBMITTED.

OWNERSHIP STATEMENT - PER PL 1977 CHAPTER 33

Longo Electrical-Mechanical, Inc.

(NAME OF CORPORATION OR PARTNERSHIP) PRINT

1 Harry Shupe Blvd. Wharton, NJ 07885

(ADDRESS OF RECORD) PRINT

NAME	ADDRESS	PERCENT OWNED
<u>Joseph M. Longo 2015 Trust</u>	<u>49 Picatinny Rd.</u>	<u>98 %</u>
	<u>Morristown, NJ 07960</u>	

IF ONE OR MORE SUCH STOCKHOLDER OR PARTNER IS ITSELF A CORPORATION OR IS A PARTNERSHIP, THE STOCKHOLDERS HOLDING TEN PERCENT (10%) OR MORE OF THAT CORPORATION'S STOCK OR THE INDIVIDUAL PARTNERS OWNING TEN PERCENT (10%) OR GREATER INTEREST IN THAT PARTNERSHIP MUST BE LISTED ON A SUPPLEMENTAL SHEET ON THE BIDDER'S LETTERHEAD.

THE FULL NAMES AND RESIDENCES OF ALL PERSONS INTERESTED IN THIS BID AS PRINCIPALS ARE AS FOLLOWS:

Joseph M. Longo, President 49 Picatinny Rd, Morristown NJ 07960

CONTRACTOR'S LEGAL STATUS: Corporation - Subchapter S

(CORPORATION LIMITED LIABILITY CORPORATION, SUBCHAPTERS COOPERATIVE, PARTNERSHIP, LIMITED LIABILITY PARTNERSHIP, JOINT VENTURE, OR INDIVIDUAL OPERATING UNDER A TRADENAME.)

I CERTIFY THAT THE FOREGOING INFORMATION IS CORRECT.

SUBSCRIBED AND SWORN TO
BEFORE ME THIS 28th DAY
OF June 2017.

Meryl Rehaut
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES Nov. 14, 2019
MERYL REHAUT

NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

[Signature] President
SIGNATURE TITLE

BUSINESS REGISTRATION CERTIFICATE

A contractor shall provide proof of its own business registration and proofs of business registration for any named subcontractors. The proof shall be in the form of a copy of the organization's "Business Registration Certificate" issued by the Division of Revenue. The proof of business registration shall be provided prior to the time the bid or proposal is awarded or authorized by the contracting agency.

The contractor shall provide written notice to its subcontractors and suppliers of the responsibility to submit proof of business registration to the contractor. The requirement of proof of business registration extends down through all levels (tiers) of the project.

Before final payment on the contract is made by the contracting agency, the contractor shall submit an accurate list and the proof of business registration of each subcontractor or supplier used in the fulfillment of the contract, or shall attest that no subcontractors were used.

For the term of the contract, the contractor and each of its affiliates and a subcontractor and each of its affiliates [N.J.S.A. 52:32-44(g)(3)] shall collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act on all sales of tangible personal property delivered into this State, regardless of whether the tangible personal property is intended for a contract with a contracting agency.

A business organization that fails to provide a copy of a business registration as required pursuant to Section 1 of P.L. 2001, c.134 (C.52:32-44 et al.) or Subsection e. or f. of Section 92 of P.L. 1977, c.110 (C.5:12-92), or that provides false business registration information under the requirements of either of those sections, shall be liable for a penalty of \$25.00 for each day of violation, not to exceed \$50,000 for each business registration copy not properly provided under a contract with a contracting agency.

REQUEST FOR PREVAILING WAGE DETERMINATION

I, the undersigned, being the duly authorized and acting legal representative of the Bidder, do hereby certify as follows:

There shall be paid each laborer or mechanic of the successful Bidder or subcontractor engaged in work on the project under this bid in the trade or occupation required in these specifications, not less than the hourly wage rate established by the State Commissioner of Labor & Industry under N.J.S. 34:15-25 regulation pertaining to prevailing wage rates.

The Owner will not consider any claims for additional compensation made by the Bidder because of payment by the Bidder of any wage rate in excess of the applicable rate contained in this contract. All disputes in regard to the payment of wages in excess of minimum wages shall be adjusted by the Bidder.

Meryl Rehaut
WITNESS OR ATTESTED BY

6/28/17
DATE

Joseph M. Longo
SIGNATURE

Longo Electrical-Mechanical, Inc.
NAME OF ORGANIZATION

Joseph M. Longo
President
PRINT NAME AND TITLE OF
PERSON SIGNING

(Must be signed and submitted with Bid Proposal)

PUBLIC WORKS CONTRACTOR REGISTRATION

The Public Works Contractor Registration Act (PWCRA) requires that all contractors, including named subcontractors, to register with the Department of Labor prior to submitting price proposals or engaging on certain public works contracts that exceed the prevailing wage threshold. The prevailing wage threshold is \$15,444 for municipalities and \$2,000 for all non-municipal entities, such as boards of education, authorities, fire districts, counties, etc. The municipality reserves the right to maintain the application of prevailing wage rates for projects under the threshold.

Under the law a *contractor* is a "person, partnership, association, joint stock company, trust, corporation, or other legal business entity or successor thereof who enters into a contract" which is subject to the provisions of the New Jersey Prevailing Wage Act [N.J.S.A. 34:11-56.25 et seq.]. It applies to contractors based in New Jersey or in another state.

The PWCRA defines "public works projects" as contracts for "public works" as defined in the Prevailing Wage Act [N.J.S.A. 34:11-56.26(5)]. The term means:

- "Construction, reconstruction, demolition, alteration, or repair work, or maintenance work, including painting and decorating, done under contract and paid for in whole or in part out of the funds of a public body, except work performed under a rehabilitation program.
- "Public work" shall also mean construction, reconstruction, demolition, alteration, or repair work, done on any property or premises, whether or not the work is paid for from public funds,..."
- "Maintenance work" means the repair of existing facilities when the size, type or extent of such facilities is not hereby changed or increased. While "maintenance" includes painting and decorating and is covered under the law, it does not include work such as routine landscape maintenance or janitorial services.

NON - COLLUSION AFFIDAVIT

State of New Jersey:

County of Morris

ss:

I, Joseph M. Longo residing in
(name of affiant)

Morristown in the County of Morris and the State of New Jersey of
(name of municipality)

full age, being duly sworn according to the law on my oath depose and say that:

I am President of the firm of Longo Electrical-Mechanical, Inc.
(title or position) (name of firm)

the bidder making this Proposal for the bid entitled CENTRAL PUMPING STATION PUMP NO. 4 REPLACEMENT, and that I executed the
(title of bid proposal)

said proposal with full authority to do so that said bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said proposal and in this affidavit are true and correct, and made with full knowledge that the North Bergen Municipal Utilities Authority relies upon the truth of the statements contained in said
(name of contracting unit)

Proposal and in the statements contained in this affidavit in awarding the contract for said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee except bona fide employees or bona fide established commercial or selling agencies maintained by Longo Electrical-Mechanical, Inc.

Subscribed and sworn to

[Signature]
Signature of Affiant

before me this day

June 28, 2017
Meryl Rehaut
Notary Public of New Jersey

Joseph M. Longo, President
(Type or print name of affiant under signature)

My commission expires Nov. 14, 2019

(Seal)

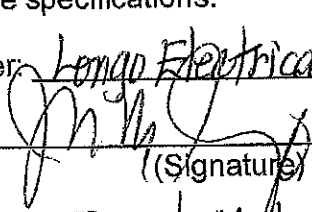
MERYL REHAUT
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

EQUIPMENT CERTIFICATION

The undersigned Bidder hereby certifies as follows:

The bidder owns or controls all the necessary equipment required to accomplish the work described in the specifications.

Name of Bidder: Longo Electrical-Mechanical, Inc.

By: 
(Signature)

Name of above: Joseph M. Longo
(Print)

Title: President

Date: 6/28/17

BIDDER'S AFFIDAVIT

STATE OF NEW JERSEY

COUNTY OF MORRIS

Joseph M. Longo being duly sworn, deposes and says that he
resides at 49 Picatinny Rd, Morristown, NJ 07960

and that he is the President
of Longo Electrical-Mechanical, Inc.
(Give Title)
(Name of Organization)

who signed the above Proposal of Bid, that he was duly authorized to sign, that the Bid is the true offer of the Bidder, that the seal attached is the seal of the Bidder and that all declarations and statements contained in the Bid are true to the best of his knowledge and belief.

He further deposes that he has submitted herewith a list of names and addresses of all stockholders and/or partners owning a 10 percent or greater interest in compliance with P.L. 1977, Chapter 33, effective March 8, 1977.

Joseph M. Longo
Affiant
President

Subscribed and Sworn before me
this 28th day of June, 2017.

Meryl Rehaut (Seal)
(Notary Public)

Nov. 14, 2019
(Commission expiration date)

MERYL REHAUT
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

Longo Electrical-Mechanical, Inc. as Principal, and The Ohio Casualty Insurance Company as Surety, are hereby held and firmly bound unto the North Bergen Municipal Utilities Authority in the penal sum of not less than ten percent of the bid amount to a maximum of \$20,000.00 for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

Signed this 28th day of June, 2017

The condition of the above obligation is such that whereas the Principal has submitted to the Borough of North Bergen Municipal Utilities Authority a certain Bid, attached hereto, and made a part of hereof, to enter into a contract in writing for Central Pumping Station Pump No. 4 Replacement

NOW THEREFORE,

- A) If said Bid shall be rejected, or, in the alternate,
- B) if said Bid shall be accepted and the Principal shall execute and deliver a contract in the form of contract to be prepared by the Borough Attorney (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said Contract, and shall in all other respects perform the agreement created by the acceptance of the said Bid,

Then, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood that all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Principal may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and Surety have set their hands and seals, and such of them as are corporations having their corporate seals to be hereto affixed and these presents to be signed by their proper corporate officers, the day and year first set forth above.

The Ohio Casualty Insurance Company
Surety: Francesca P. McAllan
Francesca P. McAllan, Attorney-in-fact

Principal: Longo Electrical-Mechanical, Inc. (L.S.)
By: Joseph M. Longo
Joseph M. Longo, President

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7724668

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Angelo Sansano, Charlotte Wendland, Francesca P. McAllan, Jennifer Nicholas McBride

all of the city of DOVER, state of N.J. each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 10th day of April, 2017



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 10th day of April, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts - SECTION 5: Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 28 day of June, 2017



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary



THE OHIO CASUALTY INSURANCE COMPANY
FINANCIAL STATEMENT — DECEMBER 31, 2016

Assets		Liabilities	
Cash and Bank Deposits.....	\$62,496,514	Unearned Premiums.....	\$1,108,755,728
*Bonds — U.S Government.....	391,344,337	Reserve for Claims and Claims Expense	2,757,420,371
*Other Bonds.....	3,464,047,735	Funds Held Under Reinsurance Treaties.....	0
*Stocks	281,912,685	Reserve for Dividends to Policyholders.....	151,185
Real Estate.....	24,710,290	Additional Statutory Reserve.....	0
Agents' Balances or Uncollected Premiums.....	668,153,487	Reserve for Commissions, Taxes and	
Accrued Interest and Rents.....	31,694,708	Other Liabilities.....	53,393,377
Other Admitted Assets.....	717,271,701	Total	\$3,919,720,661
		Special Surplus Funds.....	\$ 15,241,173
		Capital Stock.....	4,500,000
		Paid in Surplus.....	738,183,897
		Unassigned Surplus.....	963,985,727
		Surplus to Policyholders	1,721,910,797
Total Admitted Assets.....	\$5,641,631,457	Total Liabilities and Surplus	\$5,641,631,458



* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from The Ohio Casualty Insurance Company's financial statement filed with the state of Ohio Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of The Ohio Casualty Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2016, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 23rd day of March, 2017.

T. Mikolajewski

Assistant Secretary



SURETY DISCLOSURE STATEMENT AND CERTIFICATION
pursuant to N.J.S.A. 2A:44-143

THE OHIO CASUALTY INSURANCE COMPANY, (hereinafter called "Surety"), the Surety on the attached bond, hereby certifies the following:

1) The Surety meets the applicable surplus requirements of R.S.17:17-6 or R.S.17:17-7 as of the Surety's most current annual filing with the New Jersey Department of Insurance.

2) The surplus of The Ohio Casualty Insurance Company as determined in accordance with the applicable laws of this State, totals \$1,721,910,797.00 as of the calendar year ended December 31, 2016, which amount has been certified by Ernst & Young LLP, 200 Clarendon Street, Boston, Massachusetts, 02116, and is included in the Annual Statement on file with the New Jersey Department of Insurance, 20 West State Street CN-325, Trenton, New Jersey 08625-0325.

3) The Ohio Casualty Insurance Company has received from the United States Secretary of the Treasury a certificate of authority pursuant to 31 U.S.C. Section 9305, with an underwriting limitation established therein on July 1, 2016 in the amount of \$153,699,000.00.

4) The amount of the bond to which this statement and certification is attached is \$The Amount
Bid.

5) If, by virtue of one or more contracts of reinsurance, the amount of the bond indicated under Item (4) above exceeds the total underwriting limitation of all sureties on the bond as set forth in Item (3) above, then for each such contract of reinsurance:

(a) The name and address of each such reinsurer under that contract and the amount of the reinsurer's participation in the contract is as follows:

<u>Reinsurer</u>	<u>Address</u>	<u>Amount</u>
(Not Applicable)		and;

(b) Each surety that is party to any such contract of reinsurance certifies that each reinsurer listed under item (5)(a) satisfies the credit for reinsurance requirement established under P.L. 1993, c.243 (C.17:51B-1 et seq.) and any applicable regulations in effect as of the date on which the bond to which this statement and certification is attached shall have been filed with the appropriate public agency.

CERTIFICATE

I, David M. Carey, as Assistant Secretary for The Ohio Casualty Insurance Company, a stock insurance company domiciled in New Hampshire, DO HEREBY CERTIFY that, to the best of my knowledge, the foregoing statements made by me on behalf of The Ohio Casualty Insurance Company are true, and ACKNOWLEDGE that, if any of those statements made by me on behalf of The Ohio Casualty Insurance Company are false, this bond is VOIDABLE.

THE OHIO CASUALTY INSURANCE COMPANY

By: David M. Carey
David M. Carey, Assistant Secretary

Dated: June 28, 2017

CORPORATE ACKNOWLEDGMENT

State of New Jersey

County of Morris

On this 28th day of June, 2017,

before me personally came Joseph M Longo to me known, who
being by me duly sworn, did depose and say that he/she is the President
of Longo Electrical-Mechanical, Inc. the corporation described in and
which executed the above instrument; that he/she knows the seal of said
corporation; that the seal affixed to said instrument is such corporate seal; that it
was so affixed by order of the Board of Directors of said corporation and that
he/she signed his/her name thereto by like order.

My commission expires 11-14-19

Meryl Rehaut
Notary Public

MERYL REHAUT
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

SURETY ACKNOWLEDGMENT

State of New Jersey

County of Morris

On this 28th day of June, 2017

Before me personally came Francesca P. McAllan to me known, who

being by me duly sworn, did depose and say that he/she is an Attorney-in-Fact of

The Ohio Casualty Insurance Company the corporation described in and which

executed the within instrument; that he/she knows the corporate seal of said

corporation; that the seal affixed to the within instrument is such corporate seal, and that

he/she signed the said instrument and affixed the said seal as Attorney-in-Fact by

authority of the Board of Directors of said corporation and by authority of this office

under the Standing Resolutions thereof.

My commission expires

Mary A. Henderson
MARY A. HENDERSON
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 5/15/2019

BIDDER'S SAFETY ACKNOWLEDGMENT

The undersigned hereby states that as a principal of the firm submitting this proposal, he or she is fully aware that all safety regulations of the Occupational Safety and Health Administration (OSHA) and the requirements of the State of New Jersey Department of Labor and Industry shall be adhered to on this project and that he or she shall instruct his or her personnel to follow these regulations. These regulations include, but not limited to, the regulations concerning Trench Excavation, Competent Persons and Confined Space Regulations.

If it is observed by an official representative of the municipality that these safety regulations are not being followed and there exists a potential serious safety deficiency that could result in accident, I acknowledge that this municipal representative may stop the project until the safety deficiency is corrected without any claim for additional compensation by this firm.

Meryl Rehart
WITNESS OR ATTESTED BY

6/28/17
DATE

MM
SIGNATURE

Longo Electrical-Mechanical, Inc.
NAME OF ORGANIZATION

Joseph M. Longo
President
PRINT NAME AND TITLE OF
PERSON SIGNING

(Must be signed and submitted with Bid Proposal)

BIDDER'S QUALIFICATION FORM
(This form is part of the Proposal)

On the form provided, indicate at least five (5) jobs performed within the last three (3) years of a similar nature and contract amount:

1. Name of Job: RUDIN MANAGEMENT
Major Construction Items: Furnish + Install (17) VFD's on Pumps and Fans. - \$450,000
Engineer Name, Address, & Telephone Number: Tom Fletcher 212-407-2500
845 Third Avenue, New York City
2. Name of Job: MONROE TWP, NJ
Major Construction Items: VFD, Control + PM Services - \$120,000
Engineer Name, Address, & Telephone Number: Tim Stoesser 732-521-1700
143 Union Valley Rd, Monroe Twp, NJ 08831
3. Name of Job: TWP of MONTCLAIR, NJ
Major Construction Items: Upgrades to Grove Street Pump Station - \$1,663,000
Engineer Name, Address, & Telephone Number: Gary Obszarny 973-783-5600
205 Claremont Ave, Montclair, NJ 07042
4. Name of Job: BOROUGH of FRANKLIN
Major Construction Items: Furnish + Install submersible pumps, VFD's + Controls - \$74,000
Engineer Name, Address, & Telephone Number: Brian Vanderbrook
46 Main St, Franklin, NJ 07416 973-827-9280
5. Name of Job: CHEMAC
Major Construction Items: Furnish (2) Toshiba 700 HP VFD's and Motors - \$375,000
Engineer Name, Address, & Telephone Number: Andy Snyder 201-934-3300
123 Pleasant Ave, Upper Saddle River, NJ 07458

PLANT AND EQUIPMENT QUESTIONNAIRE

Submitted to North Bergen MUA
By Longo Electrical-Mechanical, Inc. A Corporation
Principal Office 1 Harry Shupe Blvd, Wharton, NJ 07885 A Co-partnership
An Individual

The signatory of this questionnaire guarantees the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

1. In what manner have you inspected the proposed work? Explain in detail.

We made a visit to the site.

2. Explain your plan or layout for performing the proposed work.

We will keep the plant in operation while the
work is being performed.

3. The work, if awarded to you, will have the personal supervision of whom?

Jerry Oselador

4. Do you intend to do the proposed work with your own forces? yes

STATUS OF CONTRACTS ON HAND

5. Give full information about all of your contracts, whether private or government contracts, whether prime or sub-contracts; whether in progress or awarded but not yet begun; or where you are low bidder pending formal award of contract.

Owner	Location	Description	Adjusted Contract Amount	Amount Completed and Billed	Additional Earned Since Last Estimate	Balance To Be Completed	Estimated Date of Completion
<i>See attached</i>		<i>"Partial Experience List"</i>					
		Totals					

6. What equipment do you own that is available for and intended to be used on the proposed project?

TABLE 1

Quantity	Item	Description, Size Capacity, Etc.	Condition	Years of Service	Present Location
		See attached Equipment Lists.			

7. What equipment do you intend to purchase or lease for use on the proposed work, should the contract be awarded to you?

TABLE 2

Quantity	Item	Description, Size Capacity, Etc.	Approximate Purchase	Cost Lease
	None			

8. Have you made contracts or received firm offers for all materials within prices used in preparing your proposal? Do not give name of dealers or manufacturers.

✓ Yes

 No

The Undersigned hereby declare(s) that the items of equipment in Table 1 are owned by Longo Electrical-Mechanical, Inc., and, are available for and intended to be used on the Project, if Longo Electrical-Mechanical is awarded the Contract, and that (he) (she) (they) propose(s) to purchase or lease for the Project the additional items of equipment stated in Table 2.

If awarded the Contract, the Undersigned will furnish certificates from the owners of leased equipment to the effect that, in case of default of contract, as set forth in Article 25 the Governing Body has the right to take over the leased equipment for use in completing the work.

Dated at Wharton, NJ this 28th
day of June, 20 17.

Longo Electrical-Mechanical, Inc.
Name of Organization

By [Signature]
President
Title or Person Signing

STATE OF NEW JERSEY
COUNTY OF MORRIS

Joseph M. Longo, Being duly sworn, deposes and says that he
is President of the above Longo Electrical-Mechanical, Inc.
Name of Organization

and that the answers to the foregoing questions and all statements therein contained are true and correct.

Sworn to before me this 28th
day of June, 20 17

Meryl Rehaut
Notary Public

My Commission Expires Nov. 14, 2019

MERYL REHAUT
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 14, 2019

STATE OF NEW JERSEY -- DIVISION OF PURCHASE AND PROPERTY
North Bergen Municipal Utilities Authority
DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Bid Name: Central Pumping Station Pump No 4 Replacement
Bid Due Date: 6/28/17
Bidder: Longo Electrical-Mechanical, Inc.

PART 1: CERTIFICATION
BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX.

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that NEITHER the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of the Treasury Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders must review this list prior to completing the below certification. If the New Jersey Director of the Division of Purchase and Property finds a person or entity to be in violation of law, he/she shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

PLEASE CHECK THE APPROPRIATE BOX:

- ☒ I certify, pursuant to Public Law 2012, c. 25, that neither the bidder listed above nor any of the bidder's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. I will skip Part 2 and sign and complete the Certification below: OR
- ☐ I am unable to certify as above because the bidder and/or one of more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED ADDITIONAL ROOM, ADD ADDITIONAL PAGES.

Name _____	Relationship to Bidder/Offoror _____
Description of Activities _____	
Duration of Engagement _____	Anticipated Cessation Date _____
Bidder/Offoror Contact Name _____	

Certification: I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that the State of New Jersey and the North Bergen Municipal Utilities Authority are relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State of New Jersey and the North Bergen Municipal Utilities Authority to notify the State of New Jersey and the North Bergen Municipal Utilities Authority in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with the State of New Jersey and/or the North Bergen Municipal Utilities Authority and that the State and/or the North Bergen Municipal Utilities Authority at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): Joseph M. Longo Signature: [Signature]
Title: President Date: 6/28/17



State of New Jersey

DEPARTMENT OF THE TREASURY
DIVISION OF PURCHASE AND PROPERTY
OFFICE OF THE DIRECTOR
33 WEST STATE STREET
P. O. BOX 039

TRENTON, NEW JERSEY 08625-0039

<https://www.njstart.gov>

Telephone (609) 292-4886 / Facsimile (609) 984-2575

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

ROBERT A. ROMANO
Acting State Treasurer

JIGNASA DESAI-MCCLEARY
Director

The following list represents entities determined, based on credible information available to the public, to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25"):

1.	Bank Markazi Iran (Central Bank of Iran)	18.	Indian Oil Corporation
2.	Bank Mellat	19.	Kingdram PLC
3.	Bank Melll Iran	20.	Maire Technimont SpA
4.	Bank Tejarat	21.	Naftiran Intrade Company (NICO)
5.	National Iranian Tanker Company (NITC)	22.	Oil and Natural Gas Corporation (ONGC)
6.	Amona	23.	Oil India Limited
7.	Bank Saderat PLC	24.	Persia International Bank
8.	Bank Sepah	25.	PetroChina Company, Ltd.
9.	Belaz	26.	Petroleos de Venezuela (PDVSA Petróleo, SA)
10.	Belneftkhim (Belarusneft)	27.	Sameh Afzar Tajak Co. (SATCO)
11.	China International United Petroleum & Chemicals Co., Ltd. (Unipet)	28.	Schwing America Inc.
12.	China National Offshore Oil Corporation (CNOOC)	29.	Shandong FIN CNC Machine Company, Ltd.
13.	China National Petroleum Corporation (CNPC)	30.	Sinohydro
14.	China National United Oil Corporation (ChinaOil)	31.	SK Energy
15.	China Petroleum & Chemical Corporation (Sinopec)	32.	SKS Ventures
16.	China Precision Machinery Import-Export Corp. (CPMIEC)	33.	Som Petrol AS
17.	Grimley Smith Associates	34.	Zhuohai Zhenrong Company

List Date: August 5, 2015

NAMING OF SUBCONTRACTORS FORM

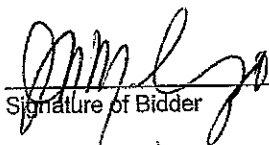
ALL CONTRACTORS MUST COMPLETE THE FOLLOWING:

N.J.S.A. 40A:11-16 requires that where all the work and materials required to complete the construction project are to be included in a single overall contract, bidders that propose using subcontractors for any of the four specialized "sub-prime" categories (i.e. Plumbing and gas fitting and all kindred work; Steam and hot water heating, ventilating apparatus, steam power plants and kindred work (HVAC); Electrical work; and Structural steel and ornamental iron work) must submit a certificate with their bids listing each subcontractor named in the bid for that category.

If Longo Electrical-Mechanical, Inc. is successfully awarded this project, I, Joseph M. Longo,
(Name of Firm)
(Authorized Representative)
 of the City of Morristown, in the County of Morris and State of New Jersey, certify pursuant to N.J.S.A. 40A:11-16 that I shall utilize the following subcontractors if this Bid is successfully awarded to my firm.

NAME OF SUBCONTRACTOR	SCOPE OF WORK
<u>None</u>	

(Use additional sheet of paper if more space required)


 Signature of Bidder
Joseph M. Longo, President
 Name and Title (Print or Type)

SWORN TO AND SUBSCRIBED
 BEFORE ME THIS 28th DAY
 OF June 2017.


 MERYL REHAUT

NOTARY PUBLIC OF NEW JERSEY
 My Commission Expires Nov. 14, 2019

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE

DEPARTMENT OF TREASURY/
DIVISION OF REVENUE
PO BOX 252
TRENTON, N J 08648-0252

TAXPAYER NAME:

LONGO ELECTRICAL-MECHANICAL, INC.

TRADE NAME:

ADDRESS:

1 HARRY SHUPE BLVD PO-BOX 511
WHARTON NJ 07885-0511

SEQUENCE NUMBER:

0097162

EFFECTIVE DATE:

ISSUANCE DATE:

12/09/57

09/21/06

James J. Glavin
Acting Director
New Jersey Division of Revenue

Certificate Number
649999

Registration Date: 01/24/2017
Expiration Date: 01/23/2019



State of New Jersey

Department of Labor and Workforce Development Division of Wage and Hour Compliance

Public Works Contractor Registration Act

Pursuant to N.J.S.A. 34:11-56.48, et seq. of the Public Works Contractor Registration Act, this certificate of registration is issued for purposes of bidding on any contract for public work or for engaging in the performance of any public work to:

Longo Electrical Mechanical, Inc.

Responsible Representative(s):

Joseph Longo, President

AR. Fichtner

Aaron R. Fichtner, Ph.D., Acting Commissioner
Department of Labor and Workforce Development

NON TRANSFERABLE

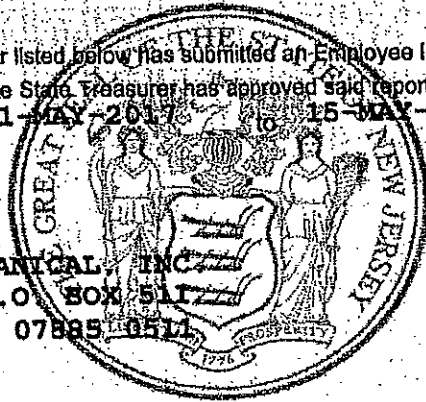
This certificate may not be transferred or assigned and may be revoked for cause by the Commissioner of Labor and Workforce Development.

Certification 1909

CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of 01 MAY 2017 to 15 MAY 2020

LONGO ELECTRICAL-MECHANICAL, INC.
1 HARRY SHUPE BLVD; P.O. BOX 51177
WHARTON NJ 07885-0511



Ford M. Scudder

FORD M. SCUDDER
State Treasurer



PARTIAL EXPERIENCE LIST

OWNER	PROJECT	CONTACT	AMOUNT	COMPLETED	COMMENTS
ARORA ASSOCIATES 3120 PRINCETON PIKE LAWRENCEVILLE, NJ 08648	Point Pleasant Canal Bridge Inspection	Thomas Sweeney 609-844-1111	\$ 20,000	2009	
ASTORIA GENERATING	Rewind of ID fan motor -- 2000 hp 1105 rpm 440 v AC ID Fan Motor	Ed Baker 718-204-2670	\$ 90,000	2008	
BACKBONE MOUNTAIN - NEXTERA ENERGY	Rewind/Upgrade of 20 ABB 1500kw Wind Generators	Eldred Bright 304-463-3339	\$ 1,000,000	Ongoing	
BERGEN COUNTY 70 ZABRISKIE ST HACKENSACK, NJ 07601	Maintenance and Repair of Motors on Bridges	Rocky Menzella 551-486-3898	\$ 6,000	2008	
BUCKEYE PIPELINE All locations in PA and NJ	Blanket Contract covering all electrical equipment including motors, controls, circuit breakers, vacuum breaker retrofits and distribution equipment.	Steve Zimmerman 610-904-4219	\$ 2,500,000	Ongoing Blanket Contract	
BUCKS COUNTY WATER & SEWER 300 HARVEY AVE DOYLESTOWN, PA 18901	Motor/Pump Repair	Mark Pizzo 215-348-2538	\$ 500,000	in progress	
FRANKLIN, BORO OF 46 MAIN STREET FRANKLIN, NJ 07410	Furnish and Install submersible pumps, VFD's and controls	Brian Vanderbrook 873-827-9280	\$ 74,088	2014	
BIRCHWOOD POWER PARTNERS 10900 Birchwood Dr King George, VA 22485	Overhaul of Circulating Water Pump Byron Jackson 64 WX Single Stage 53450GPM 82" HD	Robert Blanchard 540-775-8306	\$ 338,700	2015	
ASTORIA GENERATING CO 18-01 20TH AVE ASTORIA, NY 11105	Furnish & Install (2) Eaton 700HP AND Rewind (2) two 700HP Motors	Navin Jaiprakash 718-204-3925	\$ 485,000	2014	
NYC DEP VARIOUS WPCP NEW YORK CITY	VFD, Control and PM Services	Rupen Patel 212-976-3070	\$ 778,000	ongoing	
CHAMBERS COGENERATION 500 Shell Road Camey's Point, NJ 08069	Rewind 5500 HP 3580 RPM 13,200 V Alstom Boiler Feed Pump Motor	Tim Clark 856-351-8382	\$ 180,000	2012	
CHEMTURA 1020 King George Post Road Fords, NJ 08863	Transformer Installation, Feeder Cable Replacement	Yifan Su 732-738-3812	\$ 100,000	2010	
RUDIN MGMT (845 3RD AVE) 845 3RD AVE NEW YORK CITY	Furnish and Install (17) VFD's on Pumps & Fans	Tom Fletcher 212-407-2506	\$ 450,000	ongoing	
CONOCO PHILLIPS Linden, NJ (Refinery)	Complete restoration of various circuit breakers and overcurrent testing and calibration of protective relays and low voltage circuit	Ben Novick 908-296-0644	\$ 200,000	Multiple Jobs 2004-present	
COVANTA ENERGY 218 Mt. Pisgah Avenue Oxford, NJ 07863	Mechanical Repairs to ID FD Fans	Kevin DeBatt 908-319-3231	\$ 150,000	2010	
DELAWARE CITY REFINING 4550 Wriggle Hill Road Delaware City, DE 19708	Overhaul FS Elliott Air Compressor Heads	Bill Richardson 302-834-6132	\$ 50,000	Ongoing	
OG ENERGY-KINGS PLAZA LLC	Rewind/Redesign of Qty:4 3880kva AVK generators from 13,200volt to 4000volt	Rob Simalchik	\$ 320,000	7/1/2009	
EXELON Schuylkill Gen. Station	Rewind ON-SITE (roof top) of 2 motors - 1750 hp Fan Motor and 900 hp Circ Water Pump motor	Karl Voigt 610-983-4777	\$ 200,000	2007	
EXELON Eddystone Gen. Station	Emergency rewind of motor side of MG set - 1400 hp	John Marinari 610-595-8801	\$ 98,000	2008	
FAIRLAWN, BOROUGH OF 8-01 Fair Lawn Avenue Fair Lawn, NJ 07410	Maintenance and Servicing of Water and Sewage Pump Stations	Ron Conte 201-794-6306	\$ 150,000	in progress	
HUDSON COUNTY CORRECTIONAL 30 Hackensack Avenue Kearny, NJ 07032	Circuit Breaker Testing and New Circuit Breaker Installations	Lorenzo Quinsao 201-395-5600	\$ 50,000	2011	
HUDSON ESSEX BRIDGE COMMISSION 549 Duncan Avenue Jersey City, NJ 07306	Repair/replace Electrical Devices on the Bridge Street Bridge	Wally Wolfe 201-388-0615	\$ 50,000	ongoing	
HUDSON HOSPITAL Jersey City, NJ	Switchgear Maintenance and testing services covering all electrical equipment including Circuit Breakers, ATS, Transformers and Load Tap Changers.	Dan Ruge 201-795-8393	\$ 250,000	2014	
NASSAU ENERGY LLC 185 Charles Lindbergh Blvd Garden City, NY 11530	Overhaul of Boiler Feed Pump 9 Stage Segmented Ring Goulds Model 3310 H 0	Mahindra Seenarine 516-222-1022 X 213	\$ 32,000	2015	
TRANSCANADA - RAVENSWOOD STATION	800HP 190RPM 440VOLT CIRC WATER PUMP MOTOR - Qty 12	Tiffany Gordon	\$ 300,000	2011	
SECAUCUS MUA 1100 KOELLE BLVD SECAUCUS, NJ	VFD, Control and PM Services	Brian Bigler 201-330-2089	\$ 25,000	2014	
RUDIN MGMT (641 LEXINGTON AVE) 641 LEXINGTON AVE NEW YORK CITY	Furnish and Install (14) VFD's on Pumps & Fans	Robert Montesano 212-407-2617	\$ 330,000	ongoing	
MCWANE DUCTILE 183 SITGREAVES ST PHILLIPSBURG, NJ 08865	Furnish and Install new 1500 VA Transformer and Switchboard.	Leon Diehl 908-878-0882	\$ 250,000	April 2017	



PARTIAL EXPERIENCE LIST

OWNER	PROJECT	CONTACT	AMOUNT	COMPLETED	COMMENTS
MERCHANTVILLE-PENNSAUKEN WATER COMMISSION Pennsauken, NJ 08110	Electrical Maintenance and Service at Plants and Pumping Stations (Contract 12-02)	Craig Campbell 856-663-0043	\$ 84,000	In progress	
CITY OF MILLVILLE 12 South High Street Millville, NJ 08332	Repair & Maintenance of the Mechanical and Electrical Systems in the Sewer Plant and Pump Stations	Frank Hignutt 856-625-7000, x7384	\$ 50,000	In progress	
MONROE TWP 143 Union Valley Road Monroe Twp, NJ 08831	Maintenance and Repair of Sewage Pumping Systems and Water Well Facilities	Robert Noel 732-521-1700	\$ 88,000	In progress	
MONROE TWP E-Town Station Monroe Twp, NJ 08831	VFD, Control and PM Services	Tim Slosser 732-521-1700	\$ 120,000	2017	
BUCKEYE PIPELINE LINDEN PLANT	Furnish (2) two Siemens 5000HP 4000V Variable Frequency Drives	Steve Zimmerman 610-804-4218	\$ 950,000	2015	
MONTCLAIR, TWP OF 205 Claremont Ave. Montclair, NJ 07042	Upgrades to Grove Street Pump Station	Gary Obszarny 973-783-5600	\$ 1,663,000	2013	
MONTCLAIR, TWP OF 205 Claremont Ave. Montclair, NJ 07042	Service to Motors, Pumps, and VFDs	Gary Obszarny 973-783-5600	\$ 20,000	2017	
NATIONAL GRID - NORTHPORT	Rewind/ Rebuild various Vertical Motors including 600 hp synchronous, 700 hp BCP, 2000 hp Hotwell, 900 hp circ water pump	Roy Jongbloed 631-262-2255	\$ 125,000	2000 - 2008	
NEW BRUNSWICK SEWER 400 Jersey Avenue New Brunswick, NJ 08901	Pump Stations Maintenance & Repair Contract - Various Stations	Steve Zarecki 732-745-5104	\$ 80,300	In progress	contract since 2001
NJ TRANSIT 231 Route 53 Denville, NJ 07833	Rebuild MG Sets, 10 Units Signals	Jim Perillanti 973-625-8990	\$ 100,000	In progress	
NORTH BERGEN MUA 6208 Tonnelie Avenue North Bergen, NJ 07047	Repair and Maintenance of Wastewater Treatment Plant and Pumping Stations	John Bartoli 201-854-8518	\$ 183,600	2010	
NRG - GINNA NUCLEAR POWER PLANT	Emergency inspection of circulating pump motor 2000 hp 208 rpm 4kv Teco-Westinghouse	Herman Kilgenberger 585-771-5579	\$ 20,000	2009	
NY POWER AUTHORITY - ASTORIA STATION	Overhaul and replace rotor end rings for 2 motors - 6000 hp 884 rpm 6.9 kv GE	Richard Gaines 718-628-8279	\$ 300,000	2009	
NYC DEP Contract PW-42 59-17 Junction Blvd. Corona, NY 11368	Rewind/rebuild of various manufacturer 4kv vertical and horizontal pump blower motors	Michael Siebs 718-595-4833	\$ 200,000	2009	
NYC DEP Contract 1103-GEN 59-17 Junction Blvd. Corona, NY 11368	Service turbine generators	Jian Yu 718-595-4830	\$ 600,000	6/30/2009	
NYC DEP Contract 1145-GEN Renewal 59-17 Junction Blvd. Corona, NY 11368	Service turbine generators	Jian Yu 718-595-4836	\$ 552,000	7/2/2009	
NYC DEP Contract 1367-KSB 59-17 Junction Blvd. Corona, NY 11368	Repair of submersible KSB pumps	Wen Hung 718-595-5165	\$ 1,317,164	In progress	
NYC DEP Contract 1268-FLT 59-17 Junction Blvd. Corona, NY 11368	Repair of submersible Flygt pumps	Wen Hung 718-595-5165	\$ 909,500	In progress	
NYC DEP Contract 1200-FMG 59-17 Junction Blvd. Corona, NY 11368	Inspection/Repair of Franklin Miller Grinder	Nabil El-Ghannam 718-595-6289	\$ 395,000	Ongoing	
NYC DEP Contract PW-66 59-17 Junction Blvd. Corona, NY 11368	Rewind/rebuild of various manufacturer 4kv vertical and horizontal pump blower motors	Ajaykumar Patel 718-595-3852	\$ 3,613,150	Ongoing	
NYC DEP Contract PW-75 59-17 Junction Blvd. Corona, NY 11368	Reconstruct Main Sewage Pump and Blower Motors at various WPCFs and Pumping Station	Ajay Patel 718-595-3862	\$ 3,846,480	2/2018	
NYC DEP Various Treatment Plants	Relay Calibration	Junson Polthrose 718-595-4859	\$ 950,000	Ongoing	
NYPA Contract 4500098468	Furnish & install high efficiency motors	William Wojcik 917-751-8031	\$ 18,890	2010	
NYPA Contract 4500165695	Furnish & install EE motors for DOT Sign Shop	Louis Rosati 718-688-0768	\$ 2,319,300	2009	
NYPA Contract 4500098131	Furnish & install motors for NYC Dept of Sanitation in Brooklyn & Queens	Andrew Hegyl 917-747-1729	\$ 70,500	2010	
PARSIPPANY TROY SEWER 1001 Parsippany Rd. Parsippany, NJ 07054	Testing of electrical systems including high voltage and low voltage circuit breakers, OCB's, transformers and load tap changers.	Phil Bober 973-428-7593	\$ 50,000	Ongoing	



PARTIAL EXPERIENCE LIST

OWNER	PROJECT	CONTACT	AMOUNT	COMPLETED	COMMENTS
PASSAIC VALLEY SEWERAGE COMMISSIONERS 600 Wilson Ave Newark NJ 07105	Rewind Stator/Rotor - 3000 HP 273 RPM Yaskawa Vertical Wound Rotor Motor	John Rotolo 973-817-5962	\$ 300,000	Ongoing	
PASSAIC VALLEY SEWERAGE COMMISSIONERS Newark Treatment Plant Newark, NJ	Completely rebuild Circuit Breakers, MCC Buckets, ATS Switches and Synchronous Control Panels damaged by Hurricane Sandy	John Rotolo 973-817-5962	\$ 1,300,000	May 2013	
PASSAIC VALLEY WATER 1825 Main Ave Clifton, NJ 07011	Switchgear Maintenance and Testing	Mike Marotta 973-237-2028	\$ 517,500	2011	
HUDSON ESSEX BRIDGE COMMISSION 549 Duncan Avenue Jersey City, NJ 07306	Repair/ replace Electrical Devices on the Jackson Street Bridge	Wally Wolfe 201-388-0015	\$ 60,000	ongoing	
HUDSON ESSEX BRIDGE COMMISSION 549 Duncan Avenue Jersey City, NJ 07306	Repair/ replace Electrical Devices on the Clay Street Bridge	Wally Wolfe 201-388-0015	\$ 60,000	ongoing	
PORT AUTHORITY OF NY & NJ GREENVILLE RAIL YARDS BAYONNE, NJ	Greenville Bridge Refurbishment	Chris Vaccaro 973-599-5169	\$ 580,000	ongoing	
PPL - MONTOUR	Overhaul and cooling coil replacement for River Water Pump Motor - 1250 hp	Joe Kremer 570-437-1378	\$ 30,000	2009	
PPL - MONTOUR SES	Rewind and rotor rebar of 800 HP coal crusher motor.	Steve Everson 570-437-1297	\$ 120,000	2010	
PSEG BERGEN Victoria Terrace Ridgefield, NJ 07857	Overhaul and rebuild of 5' diameter service water vertical turbine pump	Kevin Best 973-430-7541	\$ 88,000	2007	
PSEG BRIDGEPORT HARBOR STATION 1 Atlantic Street Bridgeport, CT 06604	Overhaul and rebuild of 6' diameter service water vertical turbine pump	Tom Neeley 203-551-6015	\$ 98,000	2007	
PSEG NEW HAVEN	WORKED ON TWO ID FANS IN THE FIELD, CHANGED OUT BABBITT BEARINGS DURING OUTAGE	Len Pelligrino	\$ 67,000	2007	
ROCKAWAY TWP MUA Rockaway, NJ	Potable Water, Well & Pump Service Agreement -- VFD Preventive Maint. Services	Robert Sheard 973-983-2825	\$ 7,000	2017	
ROCKLAND CO SEWER DIST #1 4 Route 340 Orangeburg, NY 10962	Contract to overhaul and rebuild all the sewage authorities motors	Joshua Thomas 845-385-6111	\$ 60,000	In progress	
ROCKVILLE CENTER	Rewind of 4875 KW 240 RPM stator at customer's site	Tom Cardile 516-878-9357	\$ 405,000	11/15/2008	
CHEMAC 123 PLEASANT AVE. UPPER SADDLE RIVER, NJ 07458	Furnish (2) two Toshiba 700HP Variable Frequency Drives and Motors	Andy Synder 201-934-3300	\$ 375,000	2018	
PSEG Sewaren, NJ	Switchgear Maintenance and testing services covering all electrical equipment including circuit breakers, MCC and relays.	Scott Slicker and Marc Tice 732-425-8024	\$ 150,000	Aug. 2013	
SILGAN CONTAINER 135 National Road Edison, NJ 08817	Switchgear Maintenance and Testing, Bus Duct Replacement and Repair	Nehemiah Bowche 732-287-0300	\$ 200,000	2010-2011	
SIMS METAL MANAGEMENT 1 Linden Avenue East Jersey City, NJ 07305	Overhaul 9000 HP 445 RPM Schorch Shredder Motor (Wound Rotor)	Mike Higgins 201-333-5131	\$ 140,000	8/2011	
SL GREEN 100 Church Street New York, NY 10007	Completely rebuild (2) switchboards damaged by Hurricane Sandy.	Ray Benemario 212-216-1612	\$ 210,000	Dec. 2012	
SOUTHEAST MORRIS CO MUA - VARIOUS STATIONS	Maintenance, servicing & repair of Potable Water Wells, Well Pumps and Booster Pumps	Kenneth Crawford 973-326-7230	\$ 40,131	In progress	contract since 1978
ST PETERS HOSPITAL Contract # 461121	Furnish & install EE motors for St Peters Hospital	Rishi Persaud 732-565-6476	\$ 168,000	Ongoing	
TBTA Robert Moses Complex Randall's Island New York, NY 10035	Switchgear Maintenance and Testing	Ernie Hansen 212-360-2954	\$ 200,000+	2009-2011	
TBTA 2 BROADWAY NEW YORK, NY 10004	Electrical Maintenance and Service	Ernie Hansen 646-376-0053	\$ 200,000	ongoing	
TBTA Various Bridges and Tunnels	Testing of electrical systems including high voltage and low voltage circuit breakers, OCB's, transformers and load tap changers.	Ernie Hansen 212-360-2954	\$ 200,000	March, 2011	
US POSTAL SERVICE	Pump Station Maintenance and Repair	Jim Costello 201-714-8027	\$ 96,296	In progress	contract since 1995
WAYNE TWP - Various Stations 475 Valley Rd, Wayne, NJ 07470	Pump Stations Maintenance & Repair Contract - Various Stations	Pete Grimm 201-312-1504	\$ 60,000	In progress	yearly contract

WHARTON (Large Motors)			
TYPE	MAKE	MODEL	SIZE
10 TON BRIDGE CRANE SOUTH	MORRIS WHEELER		10 TON
10 TON BRIDGE CRANE NORTH	EUCLID		10 TON
10 TON BRIDGE CRANE NORTH	PHILADELPHIA TRAM RAIL		10 TON
25 TON BRIDGE CRANE	PHILADELPHIA TRAM RAIL		25 TON
25 TON BRIDGE CRANE	WHITING		25 TON
GIB CRANE			1 TON
GIB CRANE			2 TON
GIB CRANE			2 TON
GIB CRANE			2 TON
INDUCTION BEARING HEATER	RECO	MODEL BC	12 INCH BY 12 INCH
LATHE	SWIND		52" SWING X 12 FT BED
LATHE	SPRINGFIELD		22" SWING X 10 FT BED
LATHE	TOS		28" SWING X 10 FT BED
LATHE	REED		48" SWING X 8 FT BED
LATHE	VICTOR		20" SWING X 6 FT BED
LATHE	SOUTHBEND		14" SWING X 6 FT BED
LATHE	LOGAN		14" SWING X 3 FT BED
VERTICAL BORING MILL	BULLARD		38" SWING X 25" HIGH
VERTICAL BORING MILL	COLBURN		64" SWING X 39" HIGH
MILLING MACHINE	KONDIA		
MILLING MACHINE	MILWAUKEE	MODEL "H"	
PRESS	VERTICAL PRESS	56" HIGH X 4 FT WIDE WORK SPACE	150 TON
PRESS	HORIZ. PRESS	MODEL C	150 TON
DRILL PRESS	BUFFALO		
BALANCE MACHINE - DYNAMIC	SCHENCK	HD 25.1 HARD PEDESTAL MACHINE	20,000 LBS 7.5FT SWING 19 FT PEDESTAL
VPI TANK	EPOXY RESIN	0.8 TORR VACUUM TO 85 PSIG	10 FT DIAMETER, 10 FT DEEP
PARTS WASHER	MART	MODEL 94HP	
BAKE OVEN	STEELMAN	TEMP RANGE 180F TO 500F	13FT W x 13.5FT H x 19FT D
BURN OUT OVEN	POLLUTION CONTROL PRODUCTS	400F TO 650F	14FT W x 813.5FT H x 11FT D
SPRAY WELDING	METCO		VARIOUS METAL POWDERS
Winding Machine	Schleich	WM 4000	
Winding Machine	Ace	4-AS	
Winding Machine	Broomfield		
TEST PANEL - AC		1000KVA SWITCHABLE VOLTAGE	60 TO 4160 VOLTS
TEST PANEL - DC			VARIABLE TO 750V DC
DYNAMOMETER	A&W		600 HP @ 3600 RPM

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

L E S C O (Longo Engineered Systems Company)		
TYPE	MAKE	MODEL
AC/DC CLAMP PROBE	AEMC	48410
MILLIAMP CALIBRATOR	ALTEC	46
Tachometer	AMETEK	C-891A
AMP/VOLT CLAMP-ON	AMPROBE	RS - 1007S
Ckt. Tracer	AMPROBE	AT-2001
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter, Digital	AMPROBE	AMB-4D
Megohmmeter	AMPROBE	6T372
CKT. Breaker Test Set	AVO	MDL-CB-8130
DC Power Supply	B-K PRECISION	
Low Resistance Ohmmeter	BIDDLE	247000
TTR	BIDDLE	AVTM 24-1J/550005
Low Resistance Ohmmeter	BIDDLE/AVO	247001
DC AMPROBE	COLUMBIA	48410
PWR/Demand Analyzer	DRANETZ	808
DC Power Supply	EICO	
True RMS Clamp Meter	FLUKE	33
True RMS Clamp Meter	FLUKE	33
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital Multimeter	FLUKE	87
Digital V.O.M.	FLUKE	27
Digital V.O.M.	FLUKE	12
Harmonics Analyzer	FLUKE	41B
POWER MONITOR	FLUKE	39
SCOPE METER	FLUKE	97
Signal Generator	LEADER	LFG-1300S
OPTICAL PHASE REFERENCE	MONARCH	SPS-5
RELAY TEST SET	MULTI-AMP	SR-76
OVERLOAD TEST SET	MULTI-AMP	MS-1A
CKT. Breaker Test Set	AVO	MDL-CB-8130
DIGITAL STROBOSCOPE	NOVA	DB115
THERMO COUPLE	OMEGA	TAC-80K
DIGITAL TACH.	PACER	DT5
PANELMATE II 2810	PANELMATE	2810
DC Dielectric	PHOENIX TECH	460-5
V.O.M.	SIMPSON	260-8P
ACCELEROMETER	SKF	CMSS793
ACCELEROMETER	SKF	CMSS793
OSCILLOSCOPE	TEKTRONIX	3T905
OSCILLOSCOPE	TEKTRONIX	TAS-455
Accelerometer	VIBRAMETRICS	6151A
ACCELEROMETER/SLOW SPD	VIBRAMETRICS	6100
DIGITAL STROBOSCOPE		
GANG BOX		
SCBA EQUIPMENT		

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

Longo (Linden NJ Facility)			
TYPE	MAKE	MODEL	
A.C. Hipot	CROWN	2109	
Analog Multimeter	SIMPSON	260-8	
Analog Multimeter	SIMPSON	260	
Analog Multimeter	SIMPSON	260	
Clamp-on Ammeter	SPERRY	DSA-2007	
Clamp-on Ammeter	GE	AC-AMP	
Clamp-on Ammeter	GE	AMP PROBE	
Clamp-on Ammeter	SPERRY	SPR300+	
Balancing Machine	HOFFMAN		
D.C. Hipot	ASSOC.RESISTANCE	5220	
Digital Multimeter	BECKMAN	H0110	
Digital Tachometer	SPERRY	TACH-1	
Low Res. Ohmmeter	BIDDLE	247000	
Megohmmeter	BIDDLE	212559	
Megohmmeter	BIDDLE	21805-2	
Megohmmeter	YOKOGAWA	C-1302	
Megohmmeter	YOKOGAWA	321323	
Oven Temp Meter	PARTLOW	521100	
Oven Temp Meter	PARTLOW	RFT	
Analog Vibration Tester	BALANCE TECH	800	
Analog Vibration Tester	BALANCE TECH	800	
Surge Comp. Tester	HI-V	SCT-6M	
Wattmeter	AEMC	M118.100	

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

WHARTON (Large Motors)			
TYPE	MAKE	MODEL	RANGE
A.C. Hipot	Crown	2109	500 - 2500V
A.C. Hipot	Crown	2109	500 - 2500V
A.C. Hipot	Phenix		0 TO 30000V
Analog Multimeter	Simpson	260	
Clamp-on Ammeter	TIF	1000DC	
Clamp-on Ammeter	Sperry	SPR 300	
Clamp-on Meter AC/DC	UEI	DCP-10	
Core Loss Tester	Phenix	CL125	
D.C. Hipot	Assoc. Res.	5220	0-15000 V
Digital Multimeter	Fluke	8060A	
Digital Multimeter	Fluke	87	
Digital Multimeter	Fluke	87	
Digital Multimeter	Fluke	87	
Low Res. Ohmmeter	Biddle	247000	
Low Res. Ohmmeter	Harris	5050-05	
Megohmmeter	Biddle	21805	
Megohmmeter	Amprobe	AMB-4D	
Megohmmeter	Amprobe	AMB-4D	
Megohmmeter	Amprobe	AMB-4D	
Megohmmeter	Amprobe	AMB-4D	
Oscilloscope	Protek	P-3502C	
Oven Temp Meter	Honeywell	AR15	
Oven Temp Meter	Honeywell	AR15	
Oven Temp Meter	Newport	81	
Oven Temp Meter	Newport	81	
Oven Temp Meter	Newport	82	
Surge Comp. Tester	HI-V	SCT-15	
Surge Comp. Tester	Baker	D165	
Tachometer, Digital	Shimpo	DT205B	
Tachometer, Digital	Shimpo	DT207B	
Test Panel A.C.	Boyne	n/a	
Test Panel D.C.	Lesco	n/a	
Thermometer	ExTech.	421305	
Thermometer, Digital	Yokogawa	245513	
Thermometer, Digital	Yokogawa	245513	
Thermometer, Digital	Fluke	80-T IR	
Thermometer, Digital	Yokogawa	245512	
Thermometer, Digital	ANRITSU	HL600K	
Vibration Meter, Analog	IRD	810	

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

Field Service			
TYPE	MAKE	MODEL	
Analog Vibration Tester	Balance Tech	810	
Clamp-on Ammeter	Sperry	SPR910	
Clamp-on Ammeter	Sperry	SPR910	
Clamp-on Ammeter	Extech	DM6055T	
Clamp-on Ammeter	Ultra	710794	
Clamp-on Ammeter	Extech	DM6055T	
Clamp-on Ammeter	Amprobe	RS-1	
Clamp-on Ammeter	Extech	38091F	
Clamp-on Ammeter	UEI	DCP-10	
Digital Multimeter	Beckman	223	
Digital Multimeter	Beckman		
Digital Multimeter	Beckman	225	
Megohmmeter	Biddle	21822	
Megohmmeter	Biddle	210800	
Megohmmeter	Biddle	210800	
Megohmmeter	Biddle	210800-3CL	
Megohmmeter	Biddle	210800-3CL	
Megohmmeter	Biddle	210800-3CL	
Megohmmeter	Amprobe	AMB-4D	
Wattmeter	AEMC	118.1	

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

Longo (New York)/Small Motors			
TYPES	MAKE	MODEL	
AC Hipot	Associated Res.	4040A	
Analog Multimeter	Simpson	260	
Megohmmeter	Amprobe	AMB-4D	
Surge Comp. Tester	Baker	ST 2.5 E	
AC Current	Sperry	SPR-100	
Multi-Calibrator	Fluke	5500A	
Multimeter	Fluke	8842A	
Line conditioner	Tripp lite	XL8542E	
Computer	Gateway	46D	
Digital RH/Thermometer	Extech	407445	
Humidity/Temp. Recorder	Dickson	5504R	
Contact / Photo Tachometer	Extech	XL22507FST	
Counter	Fluke	6669/0/4	
Misc tools			

LONGO ELECTRICAL-MECHANICAL INC.

TEST EQUIPMENT BY DEPARTMENT

TEST EQUIPMENT - ALL LOCATIONS			
TYPES	MFR.	MODEL	
ACCELEROMETER	SKF	CMSS793	
Accellerometer	VIBRAMETRICS	6151A	
ACCELEROMETER/SLOW SPD	VIBRAMETRICS	6100	
Surge Comp. Tester	Baker	ST 2.5 E	
AC Hipot	Associated Res.	4040A	
Analog Vibration Tester	Bafance Tech	810	
Surge Comp. Tester	Baker	D165	
Surge Comp. Tester	HI-V	SCT-15	
PWR/Demand Analyzer	DRANETZ	808	
BERNOULLI BOX	OMEGA	TAC-80K	
ACCELEROMETER	SKF	CMSS793	
Megohmmeter	Biddle	210800	
HOT STICK	TIF	310	
Tic Tracer	TIF	300HV	
PUMP PERFORMANCE AND TEST STAND			
2" Loop 10 to 300 GPM			
8" Loop 200 to 4800 GPM			
Digital Readouts			
Dedicated "PC" with graphics			
Pump Curve Capability			

WHARTON (Large Motors)				
TYPE	MFG	MODEL	RANGE	
Depth Micrometer	Mitutoyo	129-150	1" -13"	Mech
Dial Indicator	Teclock	A1-921	0.001" -1"	Mech
Dial Indicator	Teclock	A1-921	0.001" -1"	Mech
Dial Indicator	Teclock	A1-921	0.001" -1"	Mech
Dial Indicator	Catic BJ	1DIO1	0-1"	Mech
Dial Indicator	Phase II	900-102	0-1"	Mech
Dial Indicator	Aerospace		0.001-1"	Mech
Dial Indicator	Teclock	A1-921	0.001" -1"	Mech
Dial Indicator	Teclock	A1-921	0.001" -1"	Mech
Gage Block	Mitutoyo	BE1-35-3	0.1 -4" each	Mech
Gage Block	Mitutoyo	BE1-8R-3	5 -20" each	Mech
Inside Micrometer	Mitutoyo	141-133	2 -12"	Mech
Inside Micrometer	Mitutoyo	141-133	2 -12"	Mech
Inside Micrometer	Satrett	124	3 -12"	Mech
Inside Micrometer	Mitutoyo	141-122	8 -40"	Mech
Inside Micrometer	Mitutoyo	141-133	2 - 12"	Mech
Inside Micrometer	Brown&Sh	n/a	1.5 -12.5"	Mech
Inside Micrometer	Mitutoyo	141-133	2 - 12"	Mech
Outside Micrometer	Starrett	436	2 -3"	Mech
Outside Micrometer	Starrett	436	3 -4"	Mech
Outside Micrometer	Phase II	100-001	0 -1"	Mech
Outside Micrometer	Phase II	100-001	0 -1"	Mech
Outside Micrometer	Brown&Sh	n/a	1 -2"	Mech
Outside Micrometer	Mitutoyo	n/a	2 -3"	Mech
Outside Micrometer	Mitutoyo	103-135	0 -1"	Mech
Outside Micrometer	Mitutoyo	103-136	1 -2"	Mech
Outside Micrometer	Mitutoyo	103-217	2 -3"	Mech
Outside Micrometer	Mitutoyo	103-218	3 -4"	Mech
Outside Micrometer	Mitutoyo	103-219A	4 -5"	Mech
Outside Micrometer	Mitutoyo	103-220A	5 -6"	Mech
Outside Micrometer	NSK	n/a	10 -11"	Mech
Outside Micrometer	Mitutoyo	104-156	28 -32"	Mech
Outside Micrometer	Mitutoyo	104-152	12 - 16"	Mech
Outside Micrometer	Mitutoyo	103-220A	7 -8"	Mech
Outside Micrometer	NSK	n/a	9 -10"	Mech
Outside Micrometer	Mitutoyo	103-220	5 -6"	Mech
Outside Micrometer	NSK	n/a	11 -12"	Mech
Outside Micrometer	Mitutoyo	103-223A	8 -9"	Mech
Outside Micrometer	Mitutoyo	104-153	16-20"	Mech
Outside Micrometer	Mitutoyo	104-154	20-24"	Mech
Outside Micrometer	Mitutoyo	104-157	32 -36"	Mech
Outside Micrometer	Mitutoyo	103-113	0 -1"	Mech
Outside Micrometer	Mitutoyo	193-211	0 -1"	Mech
Outside Micrometer	Mitutoyo	193-212	1 -2"	Mech
Outside Micrometer	Mitutoyo	193-213	2 -3"	Mech
Outside Micrometer	Mitutoyo	193-214	3 -4"	Mech
Outside Micrometer	Mitutoyo	193-215	4 -5"	Mech
Outside Micrometer	Mitutoyo	103-220A	5 -6"	Mech
Outside Micrometer	Mitutoyo	103-225A	10 -11"	Mech
Outside Micrometer	Mitutoyo	103-219	4 -5"	Mech
Outside Micrometer	Mitutoyo	103-216	1 -2"	Mech
Outside Micrometer	Mitutoyo	103-217	2 -3"	Mech
Outside Micrometer	Mitutoyo	103-218	3 -4"	Mech

WHARTON (Large Motors)				
TYPE	MFG	MODEL	RANGE	
Outside Micrometer	Mitutoyo	103-218	3 -4"	Mech
Outside Micrometer	Mitutoyo	103-219	4 -5"	Mech
Outside Micrometer	Mitutoyo	103-220A	5 -6"	Mech
Outside Micrometer	Mitutoyo	103-114	1 -2"	Mech
Outside Micrometer	Mitutoyo	103-221A	6 -7"	Mech
Outside Micrometer	Mitutoyo	103-184A	7 -8"	Mech
Outside Micrometer	Mitutoyo	103-185A	8 -9"	Mech
Outside Micrometer	Mitutoyo	103-186A	9 -10"	Mech
Outside Micrometer	Mitutoyo	103-217	2-3"	Mech
Outside Micrometer	Mitutoyo	103-226A	11 -12"	Mech
Outside Micrometer	Starrett	436	4 -5"	Mech
Outside Micrometer	Mitutoyo	104-155	24-28"	Mech
Outside Micrometer	Mitutoyo	103-139B	50-75 mm	Mech
Outside Micrometer	Mitutoyo	103-140B	75-100 mm	Mech
Outside Micrometer	Mitutoyo	103-141B	100-125 mm	Mech
Outside Micrometer	NSK	n/a	6 -7"	Mech
Vernier Caliper	Mitutoyo		0 - 12"	Mech
Vernier Caliper	Mitutoyo	n/a	0 - 12"	Mech
Vernier Caliper	Mitutoyo	n/a	0 - 24"	Mech
Vernier Caliper	Mitutoyo	n/a	0 - 24"	Mech
Vernier Caliper	Mitutoyo	160-105	0 - 40"	Mech
Vernier Caliper	Mitutoyo	505-629-510	0 - 4"	Mech
Vernier Caliper	Mitutoyo	505-628-510	0 - 12"	Mech
Outside Micrometer	Mitutoyo	103-221	6-7"	Mech.Machining
Oven Temp Meter	Newport	81	2000°F	Phys
Oven Temp Meter	Honeywell	AR15	1200°F	Phys
Oven Temp Meter	Newport	82	550°F	Phys
Oven Temp Meter	Honeywell	AR15	2000°F	Phys
Tachometer, Digital	Shimpo	DT207B	RPM	Phys
Thermometer	ExTech.	421305	-50 C to 1300C	Phys
Thermometer, Digital	Yokogawa	245512	°F & °C	Phys
Thermometer, Digital	Yokogawa	245513	°F & °C	Phys
Thermometer, Digital	ANRITSU	HL600K	-200 to 1200 °C	Phys
Thermometer, Digital	Fluke	80-T IR	infrared	Phys
Vibration Meter, Analog	IRD	810	freq & amplitude	Phys
Winding Machine	Schleich	WM 4000	Version 1.69	Phys
Winding Machine	Ace	4-AS		Phys
Winding Machine	Broomfield			Phys