NEW YORK POWER AUTHORITY

REQUEST FOR PROPOSAL

FOR

Next Generation EMS Study

INQUIRY NO. Q15-5858RH
March 23, 2015

SUBJECT: New York Power Authority
Inquiry No. Q15-5858RH
Next Generation EMS Study
Request for Proposal

Dear Sir or Madam:

NOTICE TO ALL PROPOSERS

PROPOSERS ARE HEREBY DIRECTED TO THE NEW YORK POWER AUTHORITY’S WEB SITE AT WWW.NYPA.GOV TO OBTAIN COMPLETE BID DOCUMENTS, BID ADDENDA, POST-BID ADDENDA AND RELATED NOTICES. PROPOSERS OBTAINING BID DOCUMENTS FROM SOURCES OTHER THAN THE AUTHORITY’S WEB SITE AT WWW.NYPA.GOV DO SO AT THEIR OWN RISK. INCOMPLETE PROPOSAL RESPONSES MAY BE REJECTED BY THE AUTHORITY.

The New York Power Authority invites you to submit a proposal to develop the architecture and the requirements for next generation EMS for Control Centers, as more fully detailed in the attached Technical Specification.

Proposals must be submitted in triplicate to the following address:

New York Power Authority
123 Main Street
White Plains, New York 10601
Attention: Robert Haggerty, Procurement Division

Proposals shall be delivered to the Authority by hand or mail not later than April 15, 2015. Envelopes containing each set should be clearly marked on the outside that a proposal for Inquiry No. Q15-5858RH is enclosed and showing the Proposer’s name, address and agreement title. The outside of the submission shall be marked with large letters “DO NOT OPEN – SEALED PROPOSAL.”

During the Restricted Period the Bidder must communicate only with the Designated Contract Person for the RFP. The "Restricted Period" is defined to be the period of time commencing with the earliest written notice, advertisement or solicitation of a request for proposal, invitation for bids or solicitation of proposals, or any other method for soliciting a response from Bidders intending to result in a procurement contract and ending with the final contact award.
The Authority's Designated Contact Person during the formal bid period is the undersigned Robert Haggerty. No other Authority personnel are authorized to receive, initiate, or communicate information of any kind regarding this RFQ during the "Restricted Period." All inquiries regarding this RFQ must be directed to the undersigned. Failure of prospective Bidder to fully comply with this requirement may result in the rejection of its Bid Proposal.

A) AN EXCEPTION FREE PROPOSAL IS DESIRED AND PROPOSALS WILL BE EVALUATED ACCORDINGLY. THE AUTHORITY RESERVES THE RIGHT TO DISQUALIFY ANY PROPOSAL THAT HAS SIGNIFICANT DEVIATIONS OR EXCEPTIONS TO THE TERMS, CONDITIONS AND/OR SPECIFICATIONS SET FORTH IN THE RFP OR TO WAIVE NON-MATERIAL DEVIATIONS (REFER TO INFORMATION FOR PROPOSERS, PAGE IP-2, PARAGRAPH IV, DEVIATIONS AND EXCEPTIONS).


C) Appendix D:

Upon Contract/PO award the successful Bidder will be required to comply with “CS 2.1 Background Screening: NYPA Contractor’s Packet” (aka, Appendix D). The actual Appendix will be furnished with the Contract/PO award document to the successful Bidder. The successful Bidder will be required to comply with the appendix’s requirements in accordance with directives from the Authority’s authorized designee which shall include but is not limited to:

- Acknowledgement and compliance with North American Electric Reliability Corporation (NERC) and Critical Infrastructure Protection (CIP) requirements.
- Contractor employee background screening requirements
- Compliance with escorted and unescorted access requirements
- Identification badge requirements
- Completion of various associated Appendix D Attachments

D) Appendix I:

Upon Contract/PO award the successful Bidder will be required to comply with the “New York Power Authority (NYPa), North American Electric Reliability Corporation Critical Infrastructure Protection (NERC CIP) Cyber Access and/or Unescorted Physical Access Training Requirements” (aka, Appendix I). The actual Appendix will be furnished with the Contract/PO award document to the successful Bidder. The successful Bidder will be required to comply with the appendix’s requirements in accordance with directives from the Authority’s authorized designee which shall include but is not limited to:

- Applicability to Independent Contractors
- On-line training or off-line training
- Record keeping

E) Appendices C and G

Bidder is informed that its compliance or failure to comply with requirements for M/WBE participation, and EEO participation are evaluation criteria which will be strong factors in the Authority’s selection of a successful Bidder.

If there are any questions regarding this Request for Proposal (hereinafter “RFP”) §§ 139-J and 139-K of the State Finance Law (SFL), require that all questions must be directed in writing to Robert Haggerty, New York, Power Authority, 123 Main Street, White Plains, New York 10601. Proposers are requested to submit a copy of their most recently audited financial report with their proposal. All prices quoted shall be in U.S. currency.

All expenses incurred by you in preparation of your proposal will be to your account. The Power Authority will not reimburse any such expenses.

The Power Authority reserves the right to reject any or all proposals.
Please acknowledge receipt of this letter, stating whether or not you intend to submit a proposal by returning the Bid/Inquiry Response Form immediately following this page.

Very truly yours,

________________________
Robert Haggerty  
New York Power Authority  
123 Main Street  
White Plains, New York 10601  
Phone: 914 681 6283  
Fax: 914 681 6783  
E-mail: haggerty.r@nypa.gov
BID/INQUIRY RESPONSE FORM

PLEASE READ AND RETURN IMMEDIATELY

Bid/Inquiry No: "S15-5858RH
Bid Due Date: 04-15-2015

New York Power Authority
123 Main Street
White Plains, New York 10601
Attention: "Robert Haggerty

RESPONSE (CHECK One)

__ Yes, we will submit a proposal for the above Bid/Inquiry.
__ No, we are unable to submit a proposal at this time.

REASON(S) FOR NOT BIDDING (Check all applicable boxes)

__ Not our scope of work.
__ Present work load too heavy at this time.
__ Scope of work too small.
__ Scope of work too large.
__ Not enough time to bid. How much more time needed? _________________
__ Specification requirements too stringent (Please explain on separate paper).
__ Commercial requirements too stringent (Please explain on separate paper).
__ Contract Reporter notification received too late to respond. Date Received _________________.
__ Unable to meet Bond Requirements.
__ Unable to meet Insurance Requirements.
__ Unable to submit a competitive bid at this time.
__ Key personnel unavailable at this time.
__ Cannot meet Delivery or Schedule Requirements.
__ Lack of experience.
__ Other (Please Explain).

________________________________________________________________________

________________________________________________________________________

IF YOU ARE UNABLE TO SUBMIT A BID, DO YOU WISH TO RECEIVE FUTURE SOLICITATIONS FROM THE NEW YORK POWER AUTHORITY?  ___ YES  ___ NO

Name ____________________________ Company ____________________________
(Please Print)

Date ____________________________ Telephone No. ____________________________

(Mail or Fax this form to FAX No. (914) 681-6783)
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INFORMATION FOR PROPOSERS

I. PRICING

A completed copy of the Compensation Schedule in addition to the items delineated in Section 3 of the Technical Specification must be submitted with each copy of the proposal.

II. EXAMINATION OF REQUEST FOR PROPOSAL

A. Proposer shall examine the RFP carefully. Any questions with respect to the RFP, including an interpretation of the RFP or clarification of any ambiguity, inconsistency, or error therein, shall be addressed to the Authority in writing, (email inquiries acceptable) to the Authority for response. Such inquiries may be answered in writing by the Authority, as it deems necessary, as an addendum to the RFP, and will be posted on the www.nypa.gov website. Any addendum issued becomes part of the RFP, binding on all Proposers whether or not the Proposer receives or acknowledges actual notice of any such addendum.

B. Only written interpretation(s) or correction(s) provided in any addendum shall be binding. Proposers are cautioned that no officer, agent or employee of the Authority is authorized otherwise to explain or interpret the RFP, and the Proposer must not rely upon any such explanation or interpretation, if given. The contract as defined in Article 18 of the AGREEMENT shall constitute the entire AGREEMENT between the Proposer and the Authority.

III. EXPERIENCE

Proposer shall submit a statement describing its experience with previous services similar to the services it proposes to perform, including a description of the facilities and owners where and for whom such services were performed. Proposer shall submit a statement describing its ability to perform the services according to the provisions of this Request For Proposals. Proposer shall also include the following in its proposals:

A. Resumes of key personnel to be employed in performing the Services, including “back-up” resource personnel;

B. Description of auxiliary Services and other relevant information which Proposer wishes the Authority to consider in comparing its proposal with others.

C. Complete Pages B-1 – Name and Street Address of Proposers.
D. Appendix “C” – See Request For Proposal Invitation Letter.
E. Appendix “G” – See Request For Proposal Invitation Letter.
F. Appendix “J” – Nondisclosure Agreement.
G. Appendix “N” – Completed and Signed
H. Appendix “O” – Complete Form O-1
I. Assurance that proper certifications can be supplied for services required to be performed under State, City, and Federal Governmental laws and regulations.
J. Listing of all subcontractors (names and addresses), work to be performed, value of their work, and work experience record (as required).
K. Sample of current Certificate(s) of Insurance meeting the NYPA requirements.

IV. DEVIATIONS AND EXCEPTIONS

Each Proposer shall submit a statement entitled “Deviations and Exceptions” showing the deviations and/or exceptions, if any, from the RFP. Each exception or deviation shall be listed, together with sufficient data to fully explain the scope and the reason therefore. No material submitted which amends or modifies any part of the RFP shall bind the Authority unless contained in a “Deviations and Exceptions” list and expressly agreed to in writing by the Authority.

Incorporation by reference of Proposer’s standard terms and conditions, and the transmittal of such terms and conditions in a manner other than as part of the “Deviations and Exceptions” list, shall not be deemed in compliance with this paragraph and shall be of no effect.

V. WITHDRAWAL OF PROPOSAL

Permission will not be given to modify or explain any proposal after it has been deposited with the Authority.

No proposal shall be withdrawn or cancelled before the time designated in this RFP for opening such proposals except upon such conditions as the Authority may deem to be necessary.

VI. OTHER REQUIREMENTS
A. The proposal and all supplemental data shall be legible and in the English language. Proposals that do not meet these requirements or that contain omissions, erasures, alterations, additions or items not called for in the RFP or that contain irregularities of any kind, may be rejected as informal.

B. The names of the president, secretary and treasurer, the date and state of incorporation and principal place of business shall be given on Page B-1 of this RFP.

C. **Payee Identification Numbers.** Under the provisions of Chapter 295 of the Laws of 1987, the New York Power Authority is required to report the following information to the New York State Department of Taxation and Finance in connection with your proposal for, or the award of, a contract for these Services.

Your Business Name: ____________________________________________

Your Business Address: ____________________________________________

Your Federal Social Security Number: _________________________________

Your Federal Employer Identification Number: _________________________

If you do not have the above numbers, please state the reason or reasons why: ___

_________________________________________________________________

Such numbers shall only be made available to the public as provided by law.

Questions regarding the requirement for payee identification numbers and the maintenance system for such records should be addressed to:

Robert Haggerty
New York Power Authority
123 Main Street
White Plains, New York 10601
Tel: (914) 681-6283

D. Compliance with the Immigration Reform and Control Act (IRCA): It is the Consultant’s responsibility to properly complete and retain Form I-9 for all of its employees assigned to perform work as independent contractors at any one of the Authority’s facilities, projects, and properties. The Consultant understands, and is in compliance with, its obligations under IRCA. The Consultant warrants that it is not knowingly employing any workers assigned to the Authority who are not
authorized to work for the Consultant in the United States. The Consultant agrees
to defend and indemnify the Authority for any liability, including attorney’s fees,
arising out of any claims that the Consultant’s employees are not authorized to
work in the United States for the Consultant and/or any claims based upon alleged
IRCA violations committed by the Consultant.

VII. COMPARISON OF BIDS

Wherever applicable, equalizing elements or factors not specially mentioned or provided
for herein or any element or factor in addition to price which would affect the best
interests of the Authority will be taken into consideration in making an award of an
agreement for services. The Authority also reserves the right to take into consideration in
making award of an agreement for services the facilities of the Proposer, the ability of the
Proposer to provide services within the time specified, and the Authority’s previous
experience with the Proposer.

VIII. AWARD OF CONTRACT

Proposer shall note the following:

A. Subject to the rights hereinafter reserved and any other applicable rights, it is the
   Authority’s intention to award an agreement for all or part of the services, within
   ninety (90) days after opening of Proposals, to the Proposer whose proposal fully
   conforms to the requirements of the RFP and complies with all the provisions
   required to render it formal, and as deemed most advantageous to the Authority.

B. The right is reserved, as the interest of the Authority may require, to reject any
   proposal or all proposals, and any informality in any proposal received. Without
   limiting the generality of the foregoing, and solely for guidance in preparation of
   proposals, the Proposer is informed that a proposal may be rejected if the
   Proposer cannot show to the satisfaction of the Authority:

   1. That it has the necessary capital and experience, or that it owns, controls,
      or can procure the necessary services to commence the service at the time
      prescribed and thereafter to prosecute and complete the service at the rate,
      or within the time specified, or that it is not already obligated for the
      performance of other service which would delay the commencement,
      prosecution, or completion of the service contemplated by the Agreement.

   2. Any proposal which, in the opinion of the Authority is unbalanced may be
      rejected.

   3. The facts as to business and technical organization, prior determinations of
      non-responsibility, financial and other resources, or business experience as
      related to the services proposed upon.
Award of this Proposal to the successful Proposer shall be made by issuance of the attached Agreement, properly completed and executed by the Authority and the Proposer and incorporating the portions of Proposer’s proposal acceptable to the Authority.

IX. PRIVACY LAW NOTIFICATION

SECTION 941(1)(d) OF THE NEW YORK PUBLIC OFFICERS LAW REQUIRES THIS NOTICE TO BE PROVIDED WHEN COLLECTING PERSONAL INFORMATION FROM ENTITIES DOING BUSINESS WITH THE NEW YORK POWER AUTHORITY.

This information is requested pursuant to Article 5, Title I of the Public Authorities Law and Section 6041 of the Federal Internal Revenue Code. The principal purpose for which the information is collected is to comply with requirements of the Federal Internal Revenue Code in accordance with Section 96(1) of the Personal Privacy Protection Law, particularly subdivisions (b), (e) and (f). Because services providers doing business as 1099 status Consultants typically submit their personal social security numbers and residential addresses to the Authority for business use and tax requirements, such personal information must be maintained by the Authority in accordance with New York’s Personal Privacy Protection Law.

Failure to provide the requested information may result in fines by the Federal Government for failure to properly report income.

This information will be maintained by the Office of Procurement at the Power Authority of the State of New York located at 123 Main Street, 5th Floor, White Plains, New York, 10601, or when appropriate, at one of the various Authority facilities.

X. NEW YORK STATE FREEDOM OF INFORMATION LAW (FOIL)

All documents submitted by the Bidder are subject to disclosure under the New York State Freedom of Information Law (Public Officers Law, Article 6). Accordingly, confidential information, trade secrets, proprietary materials or other information, the disclosure of which would cause a substantial injury to the competitive position of your firm must be clearly marked and identified as such in your proposal [Public Officers Law, Section 87(2)(d)].
NON-COLLUSIVE PROPOSAL CERTIFICATION

Proposer shall submit one signed non-collusive proposal certificate with each copy of its proposal submitted.

A. By submission of this proposal, each Proposer and each person signing on behalf of any Proposer certifies as to its own organization, under penalty of perjury, that to the best of his /her knowledge and belief:

1. The prices in this proposal have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Proposer or with any competitor;

2. Unless otherwise required by law, the prices which have been quoted in this proposal have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly, to any other or to any competitor; and

3. No attempt has been made or will be made by the Proposer to include any other person, partnership, or corporation to submit or not to submit a proposal for the purpose of restricting competition.

B. A proposal shall not be considered for award nor shall any award be made where A. 1, 2 and 3, above have not been complied with; provided however, that if in any case the Proposer cannot make the foregoing certification, the Proposer shall so state and shall furnish with the proposal a signed statement which sets forth in detail the reasons therefore. Where A.1, 2 and 3, above have not been complied with, the proposal shall not be considered for award nor shall any award be made unless the head of the purchasing unit of the state, public department or agency to which the proposal is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

C. Each proposal made by one or more corporations individually or as members or a joint venture or partnership shall be deemed to have been authorized by Proposer’s respective board or boards of directors as the case may be, and such authorization shall be deemed to include the signing and submission of the proposal and the inclusion therein of this non-collusive proposal certification as the act and deed of such respective corporations.

FIRM NAME: __________________________________

BY: __________________________________________
    (Name-Signed)

BY: __________________________________________
    (Name-Signed)

TITLE: ________________________________________

DATE:________________________________________
P.O. ADDRESS OF THE BIDDER

Company Name/dba

Street Address

City, State/Province and Zip Code

Country Email

Telephone No. Ext.: Fax No. Fed ID No.

E Mail Address:

ADDRESS FOR CHECK PAYMENTS (if different from above)

Street

City, State/Province Country and Zip Code

If a Corporation

Name Address

President

Secretary

Treasurer

Date and State or Province of Incorporation

If a Partnership

Name of General Partners Address


If an Individual

Name of Individual Address

If a Joint Venture

Name of Organizations Addresses


Rev1, 2/12 8-1
New York Power Authority

AGREEMENT

FOR

Next Generation EMS Study

AGREEMENT NO. ______________________

BETWEEN

Power Authority of the State of New York
123 Main Street
White Plains, NY 10601
ATTN: Robert Haggerty
Procurement Division
THIS AGREEMENT effective the _______ day of __________, is between the POWER AUTHORITY OF THE STATE OF NEW YORK, (hereinafter referred to as “Authority”) a corporate municipal instrumentality of the State of New York, having a principal place of business at 30 South Pearl Street, Albany, New York, 12207, and an office located at 123 Main Street, White Plains, New York, 10601, and ___________________________ (hereinafter referred to as “Consultant”), a ____________________, organized and existing under the laws of the State of ______________________, having its principal place of business at ______________________________________________________.

WHEREAS, the Authority desires to retain the Services of the Consultant for the purpose of conducting a next generation EMS study as more fully described in the annexed Technical Specification;

NOW THEREFORE, in consideration of the mutual promises made herein, the parties agree as follows:

ARTICLE 1.  – Technical Specification and Time of Completion

The Consultant will perform ______________________________________ (“the Services”) as more fully described in the Technical Specification, attached hereto and made a part hereof. All Services will be performed within the time period(s) set forth in the Technical Specification, or if none is set forth, in such time and in such sequence as the Authority shall direct. Time is of the essence in the performance of all Services hereunder.

ARTICLE 2.  – Compensation

The Authority shall pay, and the Consultant shall accept as full compensation for the Services to be performed hereunder, including all costs and expenses of any kind, the amount set forth in the annexed Compensation Schedule. The Authority makes no representation as to the amount of Services intended or expected to be performed hereunder.

ARTICLE 3.  – Relationship of Parties

A. Consultant is an independent Consultant and not an agent or employee of the Authority.

B. All personnel furnished by the Consultant pursuant to this Agreement shall be employees of the Consultant, compensated and treated by the Consultant as such and not as independent Consultants. Consultant shall make all appropriate federal and state
withholdings from, and contributions on behalf of, such personnel, including income tax, social security tax (FICA), unemployment insurance and workers’ compensation insurance payments. Consultant will issue Internal Revenue Service W-2 Forms, for such personnel, and not IRS 1099 Forms, for all work performed at the Authority.

C. With respect to furnished personnel, Consultant shall be responsible for all administrative obligations associated with its employment of the personnel furnished, and shall make all other submissions and payments to governmental agencies which are required for employees, including but not limited to, workers’ compensation and unemployment insurance; and where applicable: pension benefits, health and life insurance benefits, and vacation benefits.

D. Upon request the Consultant shall provide sufficient assurances (including allowing inspections and providing copies of all relevant documents, such as but not limited to Form I-9) that the Consultant is complying with all of its obligations in respect of such personnel.

E. If any Services are sub-contracted, Consultant shall be responsible for compliance with the foregoing requirements by its subcontractors.

ARTICLE 4. Termination

A. The Authority, within its sole discretion, and for any reason or for no reason may terminate this Agreement at any time, as to all or any part of the Services thereof, upon notice in writing to the Consultant. Unless otherwise specified in such notice, the Consultant shall immediately discontinue all terminated Services, and the placing of any orders for materials, facilities or supplies in connection with such Services, shall proceed to cancel promptly any existing orders, and shall terminate sub-contracted work.

B. The Authority reserves the right to request removal and termination of any Contractor personnel for any reason or for no reason.

C. The Authority reserves the right to terminate this Agreement in the event it is found that the Consultant’s Certification of Compliance (contained in Appendix J) filed by the Consultant in accordance with New York State Finance Law § 139-k was intentionally false or intentionally incomplete. Upon such finding, the Authority may exercise its termination right by providing written notification to the Consultant in accordance with Article 11 of this Agreement.

D. Except in the event of termination for non-performance and/or unsatisfactory performance by the Consultant, the Authority shall pay the Consultant for all Services satisfactorily performed to the date of termination and for such other Services as the Authority may direct the Consultant to perform to bring the terminated part of Services to an orderly conclusion. Such payment shall be in accordance with Article 2
“Compensation,” and such payment shall relieve and discharge the Authority from any further claims of, or liability to, the Consultant.

ARTICLE 5.  — Warranty

A. Consultant warrants that it and its subcontractors will perform the Services with due care and in conformity with the highest professional standards using competent, qualified personnel, skilled in their respective specialties.

B. In addition to any remedies otherwise available to the Authority for breach of the foregoing warranty, should such breach occur, Consultant will, at the option of the Authority, re-perform the Services which fail to meet the warranty on an accelerated basis at no cost to the Authority.

ARTICLE 6.  — Insurance

A. General Requirements

The Contractor, and each subcontractor, will keep in force at its own cost, until final acceptance of the Work, the insurance coverages listed herein. The Contractor will not commence Work until the Authority has been furnished a completed certificate or certificates of insurance. Contractor shall ensure that all subcontractors comply with these requirements, and that these requirements are expressly incorporated in each of the Contractor’s sub-contractor agreements. Failure to maintain the required insurance throughout the term of the Contract, including any Contract term modifications, is a material breach of the Contract and may result in a stop work order or termination of the Contract for cause.

All coverages, except Workers’ Compensation (see b).i., below), should be evidenced on: 1) the Authority’s annexed form; or 2) an Acord form accompanied by the following two (2) endorsements: **Additional Insured** with the identifying policy number, specifically naming the New York Power Authority and the State of New York as additional insureds to the policy and **Waiver of Subrogation** endorsement. The insurance afforded to the additional insureds shall be at least as broad as that afforded the first named insured.

The form and sufficiency of each insurance policy required to be obtained herein will be subject to the Authority’s approval and with insurance companies acceptable to the Authority. The Contractor shall notify the Authority no later than 10 days prior to the effective date of a change to or cancellation of insurance policies required herein. The Contractor will deliver or cause to be delivered to the Authority, upon request, a copy of each such insurance policy.

B. Any and all deductibles or self insured retentions, in or relating to the below described insurance policies shall be assumed by and be for the account of, and at the sole risk of the Contractor.

1.  Workers’ Compensation Insurance for statutory obligations imposed by
Workers’ Compensation/Occupational Disease Laws, including Employer’s Liability Insurance with a minimum limit of $1,000,000. When applicable, coverage shall include The United States Longshoreman's and Harbor Workers' Compensation Act (44 U.S.Stat 1424) and the Jones Act (41 U.S. Stat 988). Under Sections 57 & 220 Subd. 8 of the New York State Workers' Compensation Law, it is required that Contractors doing business with a Municipal or State entity evidence proof of workers’ compensation coverage on approved forms, as listed below:

i. If coverage is with a private insurance carrier, the entity must provide evidence of coverage on a completed C105.2 form. The C105.2 form is supplied and completed by the insurance carrier or its authorized agent.

ii. If coverage is with the State Insurance Fund, the entity must provide a completed U-26.3 form provided by the Fund.

iii. If the business entity has been approved by the Workers’ Compensation Board's Office of Self Insurance as a qualified self insurer, a completed SI-12 form is required. The SI-12 form is provided by the Board's Office of Self Insurance.

2. Commercial General Liability Insurance, which includes Contractual Liability and Products/Completed Operations Liability coverages covering all operations required to complete the Work and where applicable coverage for damage caused by any explosion or collapse with minimum limits of $5,000,000 per occurrence for bodily injury and $5,000,000 per occurrence for property damage liability.

Umbrella/Excess Liability insurance in an umbrella form and on an occurrence basis, with limits of at least $5,000,000 per occurrence. This insurance shall follow form to the underlying insurance and “drop down” for defense and indemnity in the event of the exhaustion of the underlying insurance.

i. The limits contained on the Insurance Policies Declaration page must be equal to or greater than the limits stated herein.

ii. The Authority, and the State of New York must be named and scheduled as additional insureds to the Contractor’s policy and, if applicable, each subcontractor’s policy, including cross-liability coverage evidenced on the certificate(s) furnished to the Authority. The policy must contain an endorsement stating that the insurer will have no right of recovery or subrogation against the Authority and the State of New York. The Contractor must submit evidence satisfactory to the Authority of its compliance with this requirement. It is the intent of the parties that the insurance placed in accordance with the provisions of this paragraph will be primary insurance and will protect the Contractor, the Authority and the State of New York for all losses arising from all operations, activities, work, services, items or performance relating to the Contract. The insurance afforded to the additional insureds shall be at least as broad as that afforded the first named insured.
iii. The Products/Completed Operations Liability coverage will be provided for a period of at least two (2) years after the completion of the Work.

iv. The Contractual Liability Insurance coverage will insure the performance of the contractual obligations of the Contractor contained in this Contract, including, without limitation, all contractual indemnity obligations.

3. A Business Automobile Policy protecting the Contractor and each subcontractor for automobile bodily injury and property damage liability, including coverage for liability arising out of owned, hired or non-owned vehicles. Such insurance will cover all vehicles bearing, or required to bear by the motor vehicle laws of the state of registry, licenses or registration plates in limits of at least $1,000,000 each accident.

4. If the Work requires professional services, such as, but not limited to, accounting, architectural, engineering, legal, medical and surveying, a standard professional liability insurance policy with a minimum limit of $1,000,000. If applicable, the policy is to be endorsed to include “fee for service” coverage and evidence of endorsement must be furnished to the Authority. An additional insured endorsement is not required for the professional liability policy.

5. If the Work requires the use of watercraft or aircraft, Watercraft Liability, including water quality coverage, or Aircraft Liability Insurance with a minimum limit of $1,000,000 per occurrence is required.

6. If the Work poses an environmental risk, known or suspected, Pollution Liability with minimum limits of $1,000,000 per occurrence is required.

C. At the execution of this Agreement and on an annual basis during the term of this agreement and any extended period for which insurance must be maintained, each insuring party will deliver to the Authority the forms required under Section a) General Requirements above for all coverage required hereunder. The Authority has no obligation either to review the forms or policies or to inform any insuring party if the forms and or underlying policies do not comply with the requirements of this agreement. The Authority will be given at least 30 days notice of cancelation, material modification or expiration of the aforementioned insurance.

If the contractor or any other insuring party fails to furnish the forms or maintain the coverage required under this section or if any of the insurance is canceled, the Authority may (1) immediately terminate this agreement and Contractor will reimburse the Authority for any and all losses resulting from Contractor’s failure to have the insurance required hereunder, or (2) the Authority may procure such insurance and the insuring party which failed to maintain the required insurance shall reimburse the Authority for all associated costs including insurance premiums or such costs will be offset against amounts otherwise payable to such insuring party under this agreement. In the event any insuring party’s failure to comply with any aspect of this
Insurance Section results in payment for defense or indemnity by any indemnitee’s insurance, such indemnitee’s remedy against such insuring party shall include the amount of coverage (payment of defense, indemnity, etc.) that would have been available to such indemnitee had the insuring party complied with this Insurance Section, and such insuring party shall not be entitled to an offset for any amounts indemnitee receives, or is entitled to receive, from any other insurance.

D. In lieu of Commercial General Liability Insurance, at the Authority’s discretion, it may agree to accept an Owners and Contractors Protective Liability Policy naming the New York Power Authority and the State of New York as the named insureds, and with the following minimum limits:

- Bodily Injury Liability: $10,000,000 per occurrence
- Property Damage Liability: $10,000,000 per occurrence

This policy, the cost of which will be borne by the Contractor, will cover the liability of the Authority and the State of New York with respect to the Work, services, or items to be furnished hereunder, or contract to be performed, including omissions or supervisory acts of the Authority, if any.

Such insurance will contain provisions which state that the policy will also respond to claims or suits by employees of the Contractor or subcontractor against the Authority or the State of New York or by the Authority or the State of New York against the Contractor or any other insured thereunder.

This Article 6 Insurance is independent of and does not reduce or diminish any other obligation or requirement of the Consultant under any other provision of this Agreement.

ARTICLE 7. – M/WBE Non-Compliance

Consultant expressly agrees to comply with M/WBE compliance requirements of this Contract and acknowledges that if it fails to comply and its actions are determined to be willful and intentional by the Authority, such determination may result in Consultant being liable for liquidated or other damages equal to or exceeding the dollar value of the M/WBE subcontracting goals established for this contract set forth, as a percentage in the “Goals” section of Appendix C entitled “Minority and Women-Owned Business Enterprise (M/WBE) Participation Goal Requirement.”

The Consultant shall not be entitled to have any payment rendered on account of work done or services performed as long as the Consultant is not in compliance with the M/WBE requirements set forth in the Contract.

ARTICLE 8. – M/WBE Liquidated Damages
a) Liquidated damages, if any, for the Consultant’s failure to comply with Article 7 requirements or any part thereof in accordance with all of the terms of the Contract Documents, are to be assessed as set forth in subparagraph c) i. and c) ii., below.

b) Such sum or sums as are set forth in accordance with subparagraphs c) i., and c) ii., hereof, assessed jointly or separately, in view of the difficulty of accurately ascertaining the loss which the Authority will suffer by reason of failure to comply with Appendix C requirements, or any specified portion thereof, or by any other specified violation of the Contract terms, are hereby fixed and agreed as the liquidated damages that the Authority will suffer by reason of such failure, or violation, and not as a penalty. The Authority will deduct and retain out of the monies which may become due hereunder to the Consultant, the amount of any such liquidated damages, and in case the amount of the monies which may become due hereunder shall be less than the amount of liquidated damages suffered by the Authority, the Consultant shall pay the difference upon demand by the Authority.

c) As required by law, if the Consultant shall fail to comply with the requirements of Appendix C entitled “Minority and Women-Owned Business (M/WBE) Participation Goal Requirement”, or any part thereof, the Consultant shall pay the Authority, as liquidated damages and not as a penalty, the dollar amount equal to the difference between:

   i.) All sums identified for payment to M/WBEs had the Contractor achieved the contractual M/WBE goals; and

   ii.) All sums actually paid to M/WBEs for work performed or materials supplied under the Contract, or as specified under the terms of the Authority’s Contract Documents as may be further adjusted due to issuance of Change Orders”.

In no case shall the total amount of such liquidated damages be greater than the projected M/WBE goals established for the Contract.

IT IS UNDERSTOOD AND AGREED THESE M/WBE LIQUIDATED DAMAGES ARE REQUIRED BY LAW AND THEREFORE ARE NON-NEGOTIABLE.

ARTICLE 9. – Records, Accounts, Inspection and Audit

A. The Consultant, without additional compensation therefore, shall keep records and books of account, showing the actual cost to it of all items of labor, material, equipment, supplies, services and other expenditures of whatever nature for which reimbursement is authorized under this Agreement. The system of accounting to be employed by the Consultant shall conform with the Consultant’s normal practice.
B. The Consultant’s correspondence, records, general ledgers, cancelled checks, time sheets, vouchers and books of account insofar as they pertain to the direct cost of the Services performed or disbursements made for the Authority’s account under this Agreement will be open at all reasonable times during the period of this agreement, and for three (3) years from the date of final payment under this agreement, for inspection by the Authority or any authorized government representative. Copies shall be furnished if requested, at no cost to the Authority. No additional compensation will be paid for the preservation of such papers.

C. The Authority shall at reasonable times have access to the premises, Services and materials, correspondence, instructions, working papers, plans, drawings, specifications, and memoranda of the Consultant pertaining to said Services and the Consultant shall provide facilities adequate for examination and audit of same by Authority. No additional compensation will be paid to the Consultant for audit support.

ARTICLE 10. Assignment and Subcontracting

Any assignment, subcontracting or transfer of any obligation of Consultant under this Agreement shall be entirely void without the prior written consent of the Authority. The Consultant’s choice of subcontractors shall be subject to the Authority’s approval prior to commencing any Services hereunder. No contractual relationship shall exist between the Authority and any subcontractor. The Consultant shall not be relieved of any of its obligations imposed by the terms of this Agreement for any part of the subcontracted Services.

ARTICLE 11. Notices

A. All notices permitted or required hereunder shall be in writing and shall be transmitted either:

(a) via certified or registered United States mail, return receipt requested;
(b) by facsimile transmission;
(c) by personal delivery;
(d) by expedited delivery service; or
(e) by e-mail.

Such notices shall be addressed as follows or to such different addresses as the parties may from time-to-time designate:

NEW YORK POWER AUTHORITY
PROCUREMENT DIVISION

Name: Mr. John Canale
Title: Vice President of Procurement
with a copy to:

NEW YORK POWER AUTHORITY
LAW DEPARTMENT

Name: Mr. Gerald Goldstein
Title: Asst. General Counsel
Address: 123 Main Street
         White Plains, NY 10601
Telephone Number: 914 390-8090
E-Mail Address: gerald.goldstein@nypa.gov

[Contractor Name]
Name:
Title:
Address:
Telephone Number:
Facsimile Number:
E-Mail Address:

B. Any such notice shall be deemed to have been given either at the time of personal delivery or, in the case of expedited delivery service or certified or registered United States mail, as of the date of first attempted delivery at the address and in the manner provided herein, or in the case of facsimile transmission or email, upon receipt.

C. The parties may, from time to time, specify any new or different address in the United States as their address for purpose of receiving notice under this Agreement by giving fifteen (15) days written notice to the other party sent in accordance herewith. The parties agree to mutually designate individuals as their respective representatives for the purposes of receiving notices under this Agreement. Additional individuals may be designated in writing by the parties for purposes of implementation and administration/billing, resolving issues and problems and/or for dispute resolution.

ARTICLE 12. Indemnification
In addition to and not in limitation of the Consultant’s insurance obligations under this Agreement, and, to the extent permitted by law, the Consultant shall assume the entire responsibility and liability for and defense of, and pay and indemnify the Authority and the State of New York against any loss, expense or liability and will hold the Authority and the State of New York harmless from and pay any loss, damage, cost of expense (including without limitation, judgments, attorney’s fees, and court costs) which the Authority and the State of New York incurs because of injury to or death of any person or on account of damage to property, or any other claim arising out of, in connection with, or as a consequence of, the performance of the Services and/or any act or omission of the Consultant or any of its subcontractors, employees, agents or anyone directly or indirectly employed by Consultant or anyone for whose acts Consultant may be liable.

ARTICLE 13. – Safety Requirements and Performance Data

A. All Consultants supplying personnel, or sub-contracted personnel, to Authority facilities, are responsible for reporting any injuries or illnesses arising at these facilities to the Authority within 24 hours.

B. Each employer who is subject to the record keeping requirements of the Occupational Safety and Health Act (OSHA) 1970 must maintain a log of all recordable occupational injuries and illnesses. “OSHA Form 300” entitled “Log of Work-Related Injuries and Illnesses,” may be used to log and summarize occupational injuries and illnesses.

C. On a monthly basis, each Consultant shall submit a copy of their OSHA Form 300 (or if accepted by the Authority a substitute report) to the Authority’s facility safety representative or designee, as follows:

   WPO - Vice President of Environment Health and Safety
   500 MW - Environmental & Safety Engineer
   IN-CITY - Environmental & Safety Engineer
   POL – Environment & Safety Engineer
   BG - Environment, Safety & Health Scientist
   CEC - Safety, Health & Fire Protection Administrator
   NIA - Safety, Health & Fire Protection Administrator
   STL/FDR - Safety, Health & Fire Protection Administrator
   FLYNN - Maintenance Superintendent

(Note to Consultant: submit OSHA Form 300 only to the respective safety representative at the facility where the contract work is being performed.)

D. To prevent personal injury or damage to property, all tests, rentals or other equipment of any kind, furnished by the Consultant or vendor must be in good working order and condition; properly tested, grounded, fit or otherwise suitable for its intended purpose or use; and free of defect. Proof of inspection and maintenance is required.
E. In addition, all Consultants supplying their personnel, or sub-contracted personnel, to Authority facilities, are responsible for reporting on a monthly basis the number(s) of personnel working at the facility, and person-hours worked by each.

F. In addition, all Contractors supplying their personnel or sub-contracted personnel shall ensure that those personnel have the training and certifications that are required by industry standard, state and federal law and provide documentation of training and certifications when requested.

ARTICLE 14. – Governing Law

This Agreement shall be governed by and construed in accordance with the laws of the State of New York. Any action at law, suit in equity or judicial proceeding for the enforcement of this contract or any provisions there to shall be instituted by the Consultant only in the courts of the State of New York.

ARTICLE 15. – Proprietary Nature of Work

A. The Consultant’s Services under this contract shall be the exclusive property of the Authority. All plans, drawings, and working papers and specifications of the Consultant, and all other data, pertaining to the Services shall be the property of the Authority and shall be turned over to the Authority upon completion of the Services by the Consultant, or upon termination of this Agreement.

B. All data, reports or other written records of the Services, and all information pertaining to the Services, shall be considered proprietary to the Authority by the Consultant and held in confidence. The Consultant shall not publish or otherwise disclose to others such data, reports, written records or information without the prior written consent of the Authority.

ARTICLE 16. – Confidentiality

A. As used in this Agreement, “Confidential Information” shall mean (i) any and all information (whether written, digital or in any other form) contained in or relating to the Services, (ii) oral disclosures of information or data relating to the Services, or (iii) information or data obtained as a result of visual access to such information during site visits to Authority premises.

The Consultant shall only use the Confidential Information for the purpose of providing the Services or receiving the Services pursuant to the Agreement.
B. In order to preserve the confidentiality of the Confidential Information, the Consultant shall:

i) protect and preserve the confidential and proprietary nature of all Confidential Information and use the same care and discretion to avoid disclosure of Confidential Information as the Consultant uses with respect to its own confidential information;

ii) hold the Confidential Information in the strictest confidence and not disclose any Confidential Information to any persons other than the Consultant’s employees or representatives of the Consultant who need to know the Confidential Information for the purposes described in the Agreement;

iii) not use or make any records or copies of, or permit anyone else to use or make any copies of, the Confidential Information, except as may be required for the purposes of the Agreement;

iv) notify the Authority immediately of any loss of misplacement of Confidential Information, in whatever form;

v) comply with reasonable security procedures as may be requested by the other from time to time for protection of the Confidential Information, including without limitation, procedures concerning the transportation, storage and use of Confidential Information and computer and/or data processing media containing any Confidential Information.

C. In the event the Consultant is required by subpoena, court order or other similar process to disclose Confidential Information, it shall (unless prohibited from doing so by law or by court order) provide the Authority with immediate written notice and documentation thereof, so that the Authority may seek a protective order or other appropriate remedy.

D. In no event, however, shall the Consultant disclose Confidential Information at any time which is deemed confidential by operation of law, rule, regulation or other governmental order.

E. For the avoidance of doubt, Confidential Information shall remain at all times the exclusive property of the Authority.

F. The Consultant shall not make any public announcements relating to this Agreement without the prior written approval of the Authority, except for (i) and announcement intended solely for internal distribution within the Consultant’s entity, or (ii) any disclosure required by law, regulation, or government agency request.
G. The obligations of the Consultant under this Article shall remain in effect as long as the Consultant is in possession of Confidential Information and this Article shall survive termination or expiry of this Agreement.

ARTICLE 17. – Publicity

No marketing, publicity, promotion or advertising regarding this Agreement will be issued by the Consultant without the Authority's prior written approval, and, if applicable, also with the prior written approval from the Authority’s customer where the Service will be or is being performed, which approval will not be unreasonably withheld. Any responses to news media inquiries developed by the Consultant, related to the Agreement, must be coordinated with the Authority for review and approval. Letters, speeches, news and/or press releases, articles for publication, etc. related to the Agreement, will be coordinated with the Authority for review and approval prior to release. Any and all communications, whether verbal or written, must be submitted to the Authority's Corporate Communication Business Unit for prior review and approval.

Consultant agrees to abide by these terms regarding public announcements for a period of two (2) years following the expiration of this Agreement.

ARTICLE 18. – Entire Agreement

The terms and conditions of this Agreement are contained in this Article 18, the foregoing Articles 1 through 17, and the following attached documents:

A. Technical Specification, consisting of pages SS-1 thru SS-9
B. Compensation Schedule, consisting of page CS-1 thru CS-3
C. Appendices A,B,C,D,E,F,G,H,J,N,O.
D. Certificate of Insurance

which collectively shall constitute the entire agreement between the parties with respect to the subject matter thereof. All other letters, agreements, or communications whatsoever between the parties, whether oral or written, with respect to the subject matter are superseded by this Agreement and shall not be binding upon either party. This Agreement may not be changed orally. Any purported change, or waiver of any provision, which is not in writing and has not been signed by the parties shall be entirely void.
IN WITNESS WHEREOF, the Authority and the Consultant have executed this Agreement in triplicate, two parts which are to be returned to the Authority and one part to be retained by the Consultant, effective as of the date first written above.

NEW YORK POWER AUTHORITY

By: ___________________________
   (Name-Signed)

By: ___________________________
   (Name-Typed/Printed)

Title: ___________________________

Date: ___________________________

AGREED AND ACCEPTED:

Insert Company Name

By: ___________________________
   (Name-Signed)

By: ___________________________
   (Name-Typed/Printed)

Title: ___________________________

Date: ___________________________
COMPENSATION SCHEDULE

As full payment for Services to be rendered by Consultant pursuant to this Agreement, the Authority will pay to Consultant the firm lump sum amount of ___________________ * inclusive of all labor, overhead, travel and expenses. This price consists of:

1. Next Gen EMS architecture & detailed business case $_______________.

2. Development of closed-loop control algorithms for simulation $_______________.

* To be completed by Proposer

I. INVOICING INSTRUCTIONS

A. Email is now the preferred method for invoice submittal. All invoices can be sent via email as a PDF attachment to APInvoices@nypa.gov. The email “subject” and file name must contain the vendor name and PO number (e.g.: ABC Construction, 4500123456).

B. Invoices for compensation shall be submitted monthly for Services (Work) actually performed.

C. Invoices shall be payable by the Authority in accordance with the provisions of its Prompt Payment Policy (Appendix “B” attached hereto). Invoices shall be subject to post-audit by the Authority and adjustment, if necessary. Such adjustment shall be applied against the invoices next received after the amount of the adjustment has been determined. Where time charges are a basis for compensation, no payment will be made by the Authority for time charges which cannot be supported by applicable time card information and/or other records relating to the actual time Contractor’s personnel were engaged in providing the Services (Work). Invoices for reimbursable costs, if any, are required to be paid hereunder, shall be supported by relevant documentation.

D. Payment for invoices submitted shall be rendered electronically unless payment by paper check is expressly authorized by the Authority upon documentation by the Contractor that acceptance of electronic payment from the Authority is not possible.

E. In order to be paid electronically, the Contractor is requested to provide on company letterhead, a responsible parties contact information, signed by a financial official within ten (10) days of execution of this Contract, Automated Clearing House (ACH) Bank Instructions, which must include the following:

   • Bank Name: ___________________ *
   • Bank ABA No.: ___________________ *
   • Bank Account No.: ___________________ *

F. In order to provide payment information, the following Accounts Receivable information is also requested:
• Contact person’s name:  
• Phone number:  
• E-mail:  
• Fax number:  

G. Send the written requested information directly to the attention of:

NYPA Procurement Rep.: Robert Haggerty
Email: haggerty.r@nypa.gov
Fax: 914 681 6783

Note: It is very important to provide NYPA the **ACH Bank Instructions**, not Wire Transfer Bank Instructions.

H. Refer to IV.A. above. The original and two (2) copies of all invoices shall be submitted to the Authority’s “Designated Payment Office” at the following address:

New York Power Authority
P. O. Box 437
White Plains, NY 10602-0437
Attn: Accounts Payable

All invoices shall reference Agreement No. **________________**.

I. A “Proper Invoice” under the terms of this Agreement shall include all of the above required information, and the following:

• The Purchase Order (PO) number. PO numbers start with “4500” and are followed by six additional digits (i.e., 4500123456).
• Each invoice line item that corresponds to the specific PO line item number in the Contract Document.
• Written in English, clear, legible and in U.S. currency.
• Any and all required additional supporting documentation.

* To be completed by Successful Bidder/Proposer.
** To be determined.
I. LIEN LAW

The attention of the Contractor is specifically called to the provisions of Section 25 and Article 3A of the lien law of the State of New York, as amended, wherein funds received by a contractor for a public improvement are declared to constitute trust funds in the hands of such contractor to be applied first to the payment of certain claims. Neither the final payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to the Authority a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof and, if required in either case an affidavit that so far as he has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed; but the Contractor may, if any subcontractor refuses to furnish a release or receipt; in full, furnish a bond satisfactory to the Authority, to indemnify it against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the Authority all monies that the latter may be compelled to pay in discharging such a lien, including all costs and reasonable attorney's fee.

II. WORKER'S COMPENSATION LAW

A. The Contractor specifically agrees, as required by the New York Finance Law, Section 142 that:

(1) He will secure Workers' Compensation for the benefit of, and keep insured during the Contract period, such employees as are required to be insured by the provisions of Chapter 41 of the Laws of 1914, as amended, known as the Workers' Compensation Law.

(2) The Contract shall be void and of no effect unless the Contractor complies with this section.

III. PAYMENT OF TAXES

A. Except as provided in the following paragraphs of this section, the Contractor shall pay all applicable New York and local sales and compensating use taxes on sales to, or use by, the Contractor of tangible personal property and services employed by the Contractor in the performance of the Contract. The contractor shall include all costs in connection therewith in the applicable lump sums, unit process or other payment terms bid in the schedule. The Authority will not reimburse the Contractor for such taxes paid except taxes for which exemption is not provided by law which are part of actual expenses paid by the Contractor which the Contractor expressly provided reimbursement for.

B. Under the provisions of the New York State Sales and Compensating Use Tax Act, the Authority is an organization exempt from the payment of such state and municipal taxes on sales to the Authority of tangible property or services. The Authority is not required to furnish exemption certificates, and the Authority's contract may be accepted in lieu of an exemption certificate with the Contractor's copy as proof that the sales are exempt.

C. Pursuant to New York State Law Sections 1115(a); 1116(a) and 1210(a), receipts from tangible personal property sold to a contractor, subcontractor or repairman for use in erecting a structure or building of the Authority or adding to, altering or improving real property, property or land of the Authority, as the terms real property, property or land are defined in the Real Property Tax Law, are exempt from the tax on retail sales imposed under Section 1105 of the Tax Law and the compensating use tax imposed under Section 1110 of the Tax Law and corresponding City and Country sales and use taxes; provided, however, such tangible personal property is to become an integral component of such structure, building or real property.

D. Pursuant to Paragraph 12 of subdivision (a) of Section 1115 of the New York State Tax Law and Section 1210(a)(1) as it applies to cities of less than one million, receipts from machinery or equipment for the use or consumption, directly and predominantly in the production of tangible personal property, electricity or steam for sale by manufacturing, processing, generating or assembling (but not including parts with a useful life of one year or less or tools or supplies used in connection with such machinery, equipment or apparatus) are exempt from the tax on retail sales imposed under Section 1105 of the Tax Law, and the Compensating Use Tax imposed under Section 1110 of the Tax Law, and imposed by any county (except one wholly a city) or city of less than one million.

E. If Contractor is billed for any New York State or local sales or compensating use tax with respect to such machinery or equipment or with respect to such tangible personal property for use in erecting such structure or building and which is to become an integral component part of such structure, building or real property, he shall pay such tax under protest, preserving his right to a refund, and shall notify the Authority of any such payment within 15 days of making it. The Authority will assist the Contractor in obtaining a refund of any such tax. If any such tax is finally determined to be payable by the highest authority from which the Authority elects to seek a determination as to the legal necessity of such payment, the Authority will reimburse Contractor for the amount paid, including any penalty or interest.

If requested by Contractor, the Authority will reimburse the Contractor prior to such final determination for any such tax paid under protest upon assignment by Contractor to Authority of all Contractor's rights.

F. The Contractor will not be paid as to any item of tax on the sale or use of tangible personal property which became an integral component part of such structure, building or real property unless he furnishes evidence that any such tax paid thereon under protest.

IV. OTHER APPLICABLE LAWS AND REGULATIONS

The Contractor shall comply with all applicable laws, rules and regulations of such governments and governmental agencies as have jurisdiction with respect to its business and the work to be performed under this Contract. Violation of such rules and regulations, or conditions or practices prescribed thereby, occurring in the performance of the work hereunder by the Contractor shall not relieve the Contractor of any of his obligations set forth herein, and any penalties or expense resulting shall be the responsibility of the Contractor and not of the Authority.

* As used throughout this Appendix, the term “Contractor” shall mean the party performing the work hereunder for the Authority.
V. LABOR PROVISIONS

A. The execution of the Contract by the Contractor binds him to the following specific agreements. The Contractor specifically agrees that:

1. No laborer, worker or mechanic in the employ of the Contractor, subcontractor or other person doing or contracting to do the whole or any part of the work included in this Contract shall be permitted or required to work more than 8 hours in any one calendar day or more than five days in any one week, except in the emergencies set forth in the Labor Law.

2. The wages to be paid to, and the supplements (fringe benefits) to be provided for, the laborers, workers and mechanics so employed in the performance of the Contract shall be not less than the prevailing hourly rate wages and supplements listed in the prevailing rate schedules, if any, annexed to the specifications for the work, and any redeterminations, (updatings) of such schedules by the Commissioner of Labor after the Contract is let. Such redetermination shall be deemed part of the contract to be effective as prescribed in the redetermination. The failure to have the initial prevailing rate schedules annexed to the specifications shall not relieve the Contractor, subcontractor or other person doing or contracting to do the work from the requirements with respect to paying and providing the prevailing wages and supplements.

3. In situations in which there are not sufficient laborers, workers and mechanics who may be employed to carry on expeditiously the work contemplated by the Contract and the immediate commencement or prosecution or completion without undue delay of the work is necessary for the preservation of the contract site and for the protection of the life and limb of the persons using same, such laborers, workers and mechanics shall be permitted or required to work more than 8 hours in any one calendar day; provided however, that upon application of the Contractor, the Authority shall have first certified to the Commissioner of Labor of the State of New York that such public work is of an important nature and that any delay in carrying it to completion would result in serious disadvantage to the public; and provided further that such Commissioner of Labor shall have determined that such an emergency that does in fact exist, as provided in Subdivision 2 of Section 220 of the Labor Law.

4. Failure of the Authority to make certification to the Commissioner of Labor shall not entitle the Contractor to any damages whatsoever.

5. The Contractor and each subcontractor shall furnish to the Authority on demand a verified copy of his payroll, and also any other information required by the Authority to satisfy it that the provisions of the Labor Laws as to the hours of employment and rates of wages are being performed.

6. The Labor Law provides that the Contract shall be forfeited and no sum paid for any work done thereunder on a second conviction for willfully paying less than the stipulated wage scales as provided in Labor Law, Section 220, Subdivision 3 amended.

B. The Contractor specifically agrees as required by the provisions of the Labor Law, Section 220-e as amended, that:

1. In hiring of employees for the performance of the work under this contract or any subcontract hereunder, neither he nor any of his subcontractors, nor any person acting on his or their behalf shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates.

2. Neither her nor any of his subcontractors, nor any person acting on his or their behalf shall in any manner discriminate against or intimidate any employee hired for the performance of the work under the Contract or a subcontract on account of race, creed, color, disability, sex or national origin.

3. There may be deducted from the amount payable to the Contractor by the Authority under the Contract a penalty of fifty dollars for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the Contract; and the Contract may be cancelled or terminated by the Authority, and all monies due or to become due hereunder may be forfeited for a second or any subsequent violation of the terms or conditions of this section of the Contract.

4. The provisions of Section 220-e covering manufacture, sale or distribution of materials, equipment or supplies shall be limited to operations performed within the territorial limits of the State of New York.

VI. NO COLLUSION OR FRAUD

Contractor hereby agrees that the only person interested as principal or principals in the proposal submitted by Contractor for this agreement are named therein, and that no person other than those mentioned therein, has any interest in the above-mentioned proposal or in the securing of the award and that this Contract has been secured without any connection with any person or persons other than those named and that the proposal is in all respects fair and was prepared and the Contract was secured without collusion or fraud and that neither any officer nor employee of the Authority has or shall have a financial interest in the performance of the Contract or in the supplies, work or business to which it relates or in any portion of the profits thereof.

ACCEPTED AND AGREED TO:

__________________________  _________________________________
NAME OF CONTRACTOR       NAME OF OFFICER-SIGNED

__________________________  _________________________________
Title                      NAME OF OFFICER/PRINTED/TYPED

Date

* As used throughout this Appendix, the term “Contractor” shall mean the party performing the work hereunder for the Authority.
A. GENERAL

1. This statement is intended to establish rules and regulations as required under Section 2880 of the Public Authorities Law describing the policy of the Power Authority of the State of New York (the "Authority") to promptly pay all proper invoices submitted by any Contractor. Subject to the conditions and exceptions set forth in Section 2880 and herein, in the event any proper invoice is not paid promptly, the Authority shall be liable for the payment of interest on late payments. This policy shall apply to all Contracts entered into on or after April 30, 1988.

B. DEFINITIONS

1. "CONTRACT" means an enforceable agreement entered into between the Authority and a Contractor.

2. "CONTRACTOR" means any person, partnership, private corporation or association: a) selling materials, equipment or supplies or leasing property or equipment to the Authority; b) constructing, reconstructing or repairing buildings, highways or other improvements for or on behalf of the Authority; or c) rendering or providing services to the Authority pursuant to a Contract.

3. "DESIGNATED PAYMENT OFFICE" means the office designated by the Authority to which a proper invoice is to be submitted by a Contractor.

4. "PROPER INVOICE" means a written request for a Contract Payment that is submitted by a Contractor to the Authority's designated payment office setting forth the description, price and quantity of goods, property or services delivered or rendered in accordance with the terms of the Contract, in such form and supported by such other substantiating documentation as the Authority may reasonably require.

5. "RECEIPT OF AN INVOICE" and "INVOICE RECEIVED DATE" mean (a) the date on which proper invoice is actually received in the designated payment office, or (b) the date on which the Authority receives the purchased goods, property or services covered by the proper invoice, whichever is later. With regard to final payments on construction contracts, (b) shall mean the date on which all the Contract Work has been accepted as completed by the Authority in accordance with the Contract terms.

6. "SET-OFF" means the reduction by the Authority of a payment due a Contractor by an amount equal to the amount of an unpaid legally enforceable debt owed by the Contractor to the Authority.

C. RESPONSIBILITY FOR PROMPT PAYMENT

1. The Authority's Controller shall have the responsibility for the implementation of the Prompt Payment Policy and the prompt payment of all proper invoices under the general guidance and supervision of the Executive Vice President for Finance and Administration.

D. PROMPT PAYMENT PROCEDURE

1. A Contractor shall request payment under a Contract by submitting a proper invoice to the Authority at its designated payment office at the time and in the manner specified in the Contract.

2. The Authority shall have fifteen (15) calendar days after receipt of an invoice at its designated payment office to notify the Contractor of certain facts and conditions, including but not limited to those listed below, which, in the opinion of the Authority's Controller, justify extension of the statutory payment period.
   a) there is a defect in the delivered goods, property or services;
   b) there is a defect in the invoice;
   c) there are suspected defects or proprieties of any kind the existence of which prevent the commencement of the statutory payment period;
   d) prior to payment, a statutory or contractual provision requires an inspection period or an audit to determine the resources applied or used by the Contractor in fulfilling the contract terms;
   e) a proper invoice must be examined by the federal government prior to payment;
   f) the Authority is prevented from making payment by reason of the filing of a lien, attachment, other legal process or requirement of law.

   Any time taken to satisfy or rectify any such facts or conditions shall extend the date by which contract payment must be made in order for the Authority not to become liable for interest payments by an equal period of time.

3. Should the Authority fail to notify a Contractor of such facts and conditions within fifteen calendar days of the invoice received date, the number of days allowed for payment of the corrected proper invoice will be reduced by the number of days between the fifteenth day and the day that notification was transmitted to the Contractor. Should the Authority, in such situations, fail to provide reasonable grounds for its contention that a fact or condition justifying a time extension exists, the date by which contract payment must be made in order for the Authority not to become liable for interest payment shall be calculated from the invoice received date.

4. The Authority shall make payment within forty five (45) calendar days after the invoice received date. Effective July 1, 1989, the Authority shall make payment within thirty (30) calendar days, excluding legal holidays, after invoice received dates occurring after that date.

5. Except for the payments described in Paragraph E, every payment by the Authority to a Contractor pursuant to a Contract is eligible for interest should the Authority fail to make such payment within forty five (45) days after the invoice received date for contracts entered into between April 30, 1988 and June 30, 1989 and within thirty (30) days for contracts entered into on or after July 1, 1989.

6. The Authority shall not be liable for interest on any retention amounts withheld by the Authority in accordance with the terms of the Contract.

7. Interest shall be computed at the rate set by the state tax commission for corporate taxes pursuant to paragraph one of subsection (e) of section 1096 of the tax law, but the Authority shall not be liable for payment of interest when such interest is less than ten dollars.

8. The Authority has available funds in its custody to pay all interest penalties.

E. EXCEPTIONS

1. Payments are not eligible for interest when they are due and owing by the Authority:
   a) under the eminent domain procedure law;
   b) as interest allowed on a judgement by a court pursuant to any provision of law other than section 2880 of the Public Authorities Law;
   c) to the federal government; to any state agency or its instrumentalities; to any duly constituted unit of local government including but not limited to, counties, cities, towns, villages, school districts, or any of their related instrumentalities; to any public authority or public benefit corporation; or to its employees when acting in, or incidental to, their public employment capacity;
   d) in situations where the Authority exercises a legally authorized set-off against all or part of the payment due the Contractor.
NYS Law

Pursuant to New York State Executive Law Article 15-A, the New York Power Authority, hereinafter referred to as “NYPA” recognizes its obligation under the law to promote opportunities for maximum feasible participation of certified Minority and Women Business Enterprises (M/WBE)s and the employment of minority group members and women in the performance of NYPA contracts.

In 2006, the State of New York commissioned a disparity study to evaluate whether minority and women-owned business enterprises had a full and fair opportunity to participate in state contracting. The findings of the study were published on April 29, 2010, under the title “The State of Minority and Women-Owned Business Enterprises: Evidence from New York” (the “Disparity Study”). The report found evidence of statistically significant disparities between the level of participation of minority-and women-owned business enterprises in state procurement contracting versus the number of minority-and women-owned business enterprises that were ready, willing and able to participate in state procurements. As a result of these findings, the Disparity Study made recommendations concerning the implementation and operation of the statewide certified minority- and women-owned business enterprises program. The recommendations from the Disparity Study culminated in the enactment and the implementation of New York State Executive Law Article 15-A, which requires, among other things, that NYPA establish goals for maximum feasible participation of New York State Certified M/WBEs and the employment of minority groups members and women in the performance of New York State contracts.

Business Participation Opportunities for M/WBEs

For the purposes of this solicitation, NYPA hereby establishes an overall goal of 30% for M/WBE participation, 15% for MBE participation and 15% for WBE participation (based on the current availability of qualified MBEs and WBEs). A contractor (“Contractor”) on the Contract must document good faith efforts to provide meaningful participation by M/WBEs as subcontractors or suppliers in the performance of the Contract and Contractor agrees that NYPA may withhold payment pending receipt of the required M/WBE documentation. The directory of New York State Certified M/WBEs can be viewed at: http://www.esd.ny.gov/mwbe.html. For guidance on how NYPA will determine a Contractor’s “good faith efforts,” refer to 5 NYCRR §142.8.

In accordance with 5 NYCRR §142.13, Contractor acknowledges that if it is found to have willfully and intentionally failed to comply with the M/WBE participation goals set forth in the
Contract, such finding constitutes a breach of Contract and NYPA may withhold payment from the Contractor as liquidated damages.

Such liquidated damages shall be calculated as an amount equaling the difference between: (1) all sums identified for payment to M/WBEs had the Contractor achieved the contractual M/WBE goals; and (2) all sums actually paid to M/WBEs for work performed or materials supplied under the Contract, or as specified under the terms of the Authority’s contract documents.

By submitting a bid or Proposal, a Proposer agrees to submit the following documents and information as evidence of compliance with the foregoing:

A. Proposers are required to submit a Utilization Plan Form (Attachment No.1) with their bid or Proposal. Any modifications or changes to the Utilization Plan after the Contract award and during the term of the Contract must be reported on a revised Utilization Plan and submitted to NYPA.

B. NYPA will review the submitted Utilization Plan and advise the Proposer of NYPA’s acceptance or issue a Notice of deficiency within 30 days of receipt.

C. If a Notice of deficiency is issued, Proposer agrees that it shall respond to the Notice of deficiency within seven (7) business days of receipt by submitting to NYPA, at the address specified in this RFP or by facsimile at 914-681-6783, attention Supplier Diversity Program or a written remedy in response to the Notice of deficiency. If the written remedy that is submitted is not timely or is found by NYPA to be inadequate, NYPA shall notify the Proposer and direct the Proposer to submit, within five (5) business days, a request for a partial or total waiver of MBE/WBE participation goals (Attachment No. 2) Failure to file the waiver form in a timely manner may be grounds for disqualification of the Bid or Proposal.

D. NYPA may disqualify a Proposer as being non-responsible under the following circumstances:

1) If a Proposer fails to submit a Utilization Plan;
2) If a Proposer fails to submit a written remedy to a notice of deficiency;
3) If a Proposer fails to submit a request for waiver; or
4) If NYPA determines that the Proposer has failed to document good faith efforts.

Contractors shall attempt to utilize, in good faith, any M/WBE identified within its Utilization Plan, during the performance of the Contract. Requests for a partial or total waiver of established goal requirements made subsequent to the Contract award may be made at any time during the term of the Contract to NYPA, but must be made no later than prior to the submission of a request for final payment on the Contract.

Upon award, Contractor is required to submit a Contractor’s M/WBE Contractor Compliance & Payment Report to NYPA on a monthly basis over the term of the Contract documenting the progress made toward achievement of the M/WBE goals of the Contract.
Equal Employment Opportunity Requirements

The Contractor is required to ensure that it shall undertake or continue programs to ensure that minority group members and women are afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status. For these purposes, equal opportunity shall apply in the areas of recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, termination, and rates of pay or other forms of compensation. This requirement does not apply to: (i) work, goods, or services unrelated to the Contract or (ii) employment outside New York State.

Proposer further agrees, where applicable; to submit with the Proposal, a Staffing plan using Form G-1 from Appendix G identifying the anticipated work force to be utilized on the Contract and if awarded a Contract, will, upon request, submit to NYPA a workforce utilization report identifying the workforce actually utilized on the Contract, if known.

Further, pursuant to Article 15 of the Executive Law (the “Human Rights Law”), all other New York State and Federal statutory and constitutional non-discrimination provisions, the Contractor and sub-contractors will not discriminate against any employee or applicant for employment because of race, creed (religion), color, sex, national origin, sexual orientation, military status, age, disability, predisposing genetic characteristic, marital status or domestic violence victim status, and shall also follow the requirements of the Human Rights Law with regard to non-discrimination on the basis of prior criminal conviction and prior arrest.

Other than the Utilization Plan Form, all other applicable forms, Waiver Requests, Compliance and Payment Forms and EEO related forms shall be included in the final contract documents and found in Appendix C – “For Award”.

Please Note: Failure to comply with the foregoing requirements may result in a finding of non-responsiveness, non-responsibility and/or a breach of the Contract, leading to the withholding of funds, suspension or termination of the Contract or such other actions or enforcement proceedings as are allowed by the Contract.
# M/WBE Utilization Plan Form

**Contract No.** _______________  
**Contract Title** _______________  
**Total Dollar Value ($)** _______________  

<table>
<thead>
<tr>
<th>Business Name, Address, Telephone Number of MBE’s and WBE’s, including Contact Person and Federal ID #</th>
<th>Indicate if MBE or WBE</th>
<th>Description of Work, Products and/or Services to be provided</th>
<th>MBE and WBE Subcontract Value ($)</th>
<th>M/WBE % of Work Performed in New York State</th>
<th>M/WBE Projected Start and Completion Date</th>
</tr>
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<tbody>
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</tbody>
</table>

If the Contractor is a corporation, partnership, or joint venture, this form must be signed respectively, by the president of the corporation, a general partner, or the president/general partner of one of the joint ventures. If it is signed by anyone else, you must include appropriate proof (such as certified copy of the by-laws, partnership agreement or joint venture agreement) which confirms that the person signing this form is authorized to do so. By signing below, the Contractor authorizes the Authority to verify all information provided on this form.

**Contractor:** _______________  
**Authorized Signature:** _______________  
**Title:** _______________  

Address: _______________  
Telephone Number: _______________  
Federal Identification Number: _______________  
Date: _______________
**INSTRUCTIONS: SEE PAGE 2 OF THIS ATTACHMENT FOR REQUIREMENTS AND DOCUMENT SUBMISSION INSTRUCTIONS.**

<table>
<thead>
<tr>
<th>Bidder/Contractor Name:</th>
<th>Federal Identification No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Address:</th>
<th>Solicitation/Contract No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City, State, Zip Code:</th>
<th>M/WBE Goals: MBE  %  WBE  %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

By submitting this form and the required information, the bidder/contractor certifies that every Good Faith Effort has been taken to promote M/WBE participation pursuant to the M/WBE requirements set forth under the contract.

Contractor is requesting a:

1. ☐ MBE Waiver – A waiver of the MBE Goal for this procurement is requested. ☐ Total ☐ Partial

2. ☐ WBE Waiver – A waiver of the WBE Goal for this procurement is requested. ☐ Total ☐ Partial

3. ☐ Waiver Pending ESD Certification – (Check here if subcontractors or suppliers of Contractor are not certified M/WBE, but an application for certification has been filed with Empire State Development.) Date of such filing with Empire State Development:_____________________

PREPARED BY (Signature): Date:

SUBMISSION OF THIS FORM CONSTITUTES THE BIDDER/CONTRACTOR’S ACKNOWLEDGEMENT AND AGREEMENT TO COMPLY WITH THE M/WBE REQUIREMENTS SET FORTH UNDER NYS EXECUTIVE LAW, ARTICLE 15-A AND 5 NYCRR PART 143. FAILURE TO SUBMIT COMPLETE AND ACCURATE INFORMATION MAY RESULT IN A FINDING OF NONCOMPLIANCE AND/OR TERMINATION OF THE CONTRACT.

Name and Title of Preparer (Printed or Typed): Telephone Number: Email Address: Submit with the bid/proposal or after award to: **Supplier Diversity**

Nypasdp@nypa.gov

Waiver Granted: ☐ YES ☐ NO

MBE:☐ WBE:☐

☐ Total Waiver ☐ Partial Waiver

☐ ESD Certification Waiver ☐ *Conditional

☐ Notice of Deficiency Issued

_______________

Comments:
REQUIREMENTS AND DOCUMENT SUBMISSION INSTRUCTIONS
FOR WAIVER REQUEST

When completing the Request for Waiver Form please check all boxes that apply. To be considered, the Request for Waiver Form must be accompanied by documentation for items 1 – 11, as listed below. If box # 3 has been checked above, please see item 11. Copies of the following information and all relevant supporting documentation must be submitted along with the request:

1. A statement setting forth your basis for requesting a partial or total waiver.

2. The names of general circulation, trade association, and M/WBE-oriented publications in which you solicited certified M/WBEs for the purposes of complying with your participation goals.

3. A list identifying the date(s) that all solicitations for certified M/WBE participation were published in any of the above publications.

4. A list of all certified M/WBEs appearing in the NYS Directory of Certified Firms that were solicited for purposes of complying with your certified M/WBE participation levels.

5. Copies of notices, dates of contact, letters, and other correspondence as proof that solicitations were made in writing and copies of such solicitations, or a sample copy of the solicitation if an identical solicitation was made to all certified M/WBEs.

6. Provide copies of responses made by certified M/WBEs to your solicitations.

7. Provide a description of any contract documents, plans, or specifications made available to certified M/WBEs for purposes of soliciting their bids and the date and manner in which these documents were made available.

8. Provide documentation of any negotiations between you, the Bidder/Contractor, and the M/WBEs undertaken for purposes of complying with the certified M/WBE participation goals.

9. Provide any other information you deem relevant which may help us in evaluating your request for a waiver.

10. Provide the name, title, address, telephone number, and email address of Bidder/Contractor’s representative authorized to discuss and negotiate this waiver request.

11. Copy of notice of application receipt issued by Empire State Development (ESD).

Note:
Unless a Total Waiver has been granted, the Bidder/Contractor will be required to submit all reports and documents pursuant to the provisions set forth in the Contract, as deemed appropriate by NYPA, to determine M/WBE compliance.
**STAFFING PLAN**
Submit with Bid or Proposal – Instructions on page 2

<table>
<thead>
<tr>
<th>Solicitation No.:</th>
<th>Reporting Entity:</th>
<th>Report includes Contractor's/Subcontractor’s:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>□ Work force to be utilized on this contract</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Total work force</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Bidder</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Subcontractor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subcontractor’s name ________________________</td>
</tr>
</tbody>
</table>

Bidder’s Name: __________________________

Bidder’s Address: ________________________

Check applicable categories: (1) Staff Estimates include:
- Contract/Project Staff
- Total Work Force
- Subcontractors
(2) Type of Contract:
- Construction Consultants
- Commodities
- Services/Consultants

<table>
<thead>
<tr>
<th>EEO-Job Category</th>
<th>Total Work Force</th>
<th>Work force by Gender</th>
<th>Work force by Race/Ethnic Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Male (M)</td>
<td>Total Female (F)</td>
<td></td>
</tr>
<tr>
<td>Officials/Administrators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professionals</td>
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<td></td>
<td></td>
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<tr>
<td>Technicians</td>
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<td></td>
<td></td>
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<tr>
<td>Sales Workers</td>
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<td></td>
<td></td>
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<tr>
<td>Office/Clerical</td>
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<td></td>
<td></td>
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<tr>
<td>Craft Workers</td>
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<tr>
<td>Laborers</td>
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<td></td>
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<tr>
<td>Service Workers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temporary/Apprentices</td>
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<td></td>
<td></td>
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<tr>
<td>Totals</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PREPARED BY (Signature): __________________________

TELEPHONE NO.: __________________________

EMAIL ADDRESS: __________________________

DATE: __________________________

NAME AND TITLE OF PREPARER (Print or Type): __________________________
STAFFING PLAN
Submit with Bid or Proposal – Instructions

General instructions: All Bidders and each subcontractor identified in the bid or proposal must complete an EEO Staffing Plan (Form G-2) and submit it as part of the bid or proposal package. Where the work force to be utilized in the performance of the State contract can be separated out from the contractor’s and/or subcontractor’s total work force, the Bidder shall complete this form only for the anticipated work force to be utilized on the State contract. Where the work force to be utilized in the performance of the State contract cannot be separated out from the contractor’s and/or subcontractor’s total work force, the Bidder shall complete this form for the contractor’s and/or subcontractor’s total work force.

Instructions for completing:
1. Enter the Solicitation number that this report applies to along with the name and address of the Bidder.
2. Check off the appropriate box to indicate if the Bidder completing the report is the contractor or a subcontractor.
3. Check off the appropriate box to indicate work force to be utilized on the contract or the Bidders’ total work force.
4. Enter the total work force by EEO job category.
5. Break down the anticipated total work force by gender and enter under the heading ‘Work force by Gender’
6. Break down the anticipated total work force by race/ethnic identification and enter under the heading ‘Work force by Race/Ethnic Identification’. Contact the OM/WBE Permissible contact(s) for the solicitation if you have any questions.
7. Enter information on disabled or veterans included in the anticipated work force under the appropriate headings.
8. Enter the name, title, phone number and email address for the person completing the form. Sign and date the form in the designated boxes.

RACE/ETHNIC IDENTIFICATION
Race/ethnic designations as used by the Equal Employment Opportunity Commission do not denote scientific definitions of anthropological origins. For the purposes of this form, an employee may be included in the group to which he or she appears to belong, identifies with, or is regarded in the community as belonging. However, no person should be counted in more than one race/ethnic group. The race/ethnic categories for this survey are:

- **WHITE** (Not of Hispanic origin) All persons having origins in any of the original peoples of Europe, North Africa, or the Middle East.
- **BLACK** a person, not of Hispanic origin, who has origins in any of the black racial groups of the original peoples of Africa.
- **HISPANIC** a person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.
- **ASIAN & PACIFIC** a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands.
- **NATIVE INDIAN (NATIVE AMERICAN/ ALASKAN NATIVE)** a person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.

OTHER CATEGORIES

- **DISABLED INDIVIDUAL** any person who:
  - has a physical or mental impairment that substantially limits one or more major life activity(ies)
  - has a record of such an impairment; or
  - is regarded as having such an impairment.
- **VIETNAM ERA VETERAN** a veteran who served at any time between and including January 1, 1963 and May 7, 1975.

GENDER Male or Female
FOR BID INFORMATION PURPOSES ONLY

Bidder(s) are not required to complete and submit any of the Attachments/Forms referenced herein with its bid proposal.

Attachment 8.1, pages '8 through 10 of 16' are intentionally excluded and will be provided to the successful bidder upon contract award.
<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Revision</th>
<th>Description/Modification</th>
<th>Author and Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/30/2013</td>
<td>0</td>
<td>Original Issue of CS 2.1. Formerly part of CS 2 Background Screening Program. Describes requirements for Contractors seeking unescorted access to NYPAs facilities.</td>
<td>Thomas Carpenter Senior Security Specialist</td>
</tr>
</tbody>
</table>

Refer to last page of document for electronic approvals of latest revision.
1 PURPOSE
The purpose of this procedure shall be to provide guidance for contractors who require
unescorted access (ability to enter facility independent of someone else being with you) to New
York Power Authority (NYP A) Facilities.

2 SCOPE
Provides step-by-step (everything you need to do) process for contractor's/private citizens
desiring access approval.

3 APPLICABILITY
This procedure applies to all hired contractors requiring unescorted access inside NYP A
facilities.

BIDDER MUST NOT SUBMIT COMPLETED FORMS FOR ANY OF ITS PERSONNEL TO
CARCO.

ONLY THE FIRM AWARDED A NYP A CONTRACT WILL BE PROVIDED ATTACHMENT 8.1,
AND IS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF CS 2.1.

4 DEFINITIONS
Definitions are defined within text.

5 PROCEDURE IMPLEMENTATION
Frequently Asked Questions
The following has been prepared in a question and answer format to provide easy, quick
reference:

5.1 Who needs background screening and when should I apply? What do they check?

Contractors who have been awarded a contract (hired) with NYP A will find this procedure
attached to it and referenced as "Appendix D & I". Hired Contractors need to first ensure
that their assigned Point of Contact (POC NYP A Management person) approves that they
are to apply for Background Screening. This is necessary because contractors solely
assigned work outside NYP A facility structures may not need to apply. Once the POC
advises you to apply, you can apply using Attachment 8.1. As described in Attachment
8.1, your personal identity will be confirmed and a check of your seven year criminal
history record (if any) will be prepared by our background vendor for review by NYP A.
Make sure your POC pre-approves how many contractors need to apply. While NYP A
pays for the entire cost of background screening, contractors are obligated to only
submit the minimum necessary.
5.2 My POC decided I need to apply for background screening. How do I do that?

Once POC approves and gives you a start date you want to apply at least 30 days before you expect to start work so your application for background screening has time to process. Utilize Attachment 8.1 to apply for unescorted access. Completely fill out every section in attachment and ask POC for help if needed prior to submitting. It's very important to list your POC because they will be receiving the information regarding your background screening status once submitted. You also need to ensure that you have carefully read and signed the permission statement allowing a background screening to be performed and evaluated for approval. Should NYPAs's background screening company (name listed on attachment) contact you for additional information, respond back immediately with necessary information, as not doing so or not completing your application completely upon submittal can delay or stop your application from being processed.

5.3 I have fully completed Attachment 8.1 making sure my POC is listed on the attachment and listed any periods of time in the last seven years that I did not reside in U.S. How do I submit the application?

You can either submit electronically (POC can provide you with information as to how, provided you have access to a computer) or you can FAX the application to number appearing on Attachment 8.1.

5.4 I have submitted my complete application for myself and if I am a supervisor I have ensured my employees have properly as outlined above done so as well. I advised my POC that I have done so. What needs to be done in the meantime as I await processing results?

You also need to ensure through your POC that your training is performed. You will also make sure you supply in a timely fashion any additional information requested of you. Your POC should advise you of areas needed to access at NYPAs and what needs to be done to acquire approval of such access. Contact your POC if you have any questions or concerns.

5.5 During the waiting process I have been advised that an adverse finding or concern was discovered in relation to my background screening investigation. What does this mean and, if I disagree with final decision, can I appeal?

In almost all circumstances you will deal directly with your POC for guidance and direction in applying for unescorted access; however NYPAs shall restrict certain personal information from POC and others in an effort to protect your personal privacy and therefore have limited the NYPAs review process for Contractors to NYPAs Corporate Security & Legal. In a number of cases you may be contacted by either NYPAs background screening company and/or Corporate Security to provide either clarification or additional information regarding a concern. Your prompt response, with needed information, will aid in allowing for a timely final decision to be made. You are provided in your Appendix D packet two advisory documents. The first is Attachment 8.2 "Fair Credit Reporting Act", which describes your rights including access to personal file information and how your personal information obtained shall be handled. Attachment 8.3 "New York Correction Law Article 23-A", describes how the evaluation process by NYPAs shall be handled to include: applicability, prohibited unfair discrimination, previous criminal
conviction factors and written denial statement process. All timely appeals initiated by applicant only shall be reviewed by NYPA Legal for possible re-consideration of initial final decision. Applicant shall be made aware of final appeal decision in writing from NYPA.

Be advised that in certain circumstances you may be denied solely because certain foreign countries do not participate with releasing information. Your denial of access letter shall contain reason(s) for denial.

5.6 My POC has advised me that my employees (if applicable) and I have been approved for unescorted access. I realize that means I can enter approved facilities by myself but are there any restricted areas of facility I may not be allowed to enter?

Yes, NYPA is part of a regulated power industry and as such must comply with both federal and state laws, regulations and standards established. FERC (Federal Energy Regulatory Commission) has mandated NYPA to restrict certain areas and materials to authorized personnel only. Very few contractors are granted such access to either physically or electronically restricted areas/materials. Your POC will advise you if you are to be approved for such access and shall provide you with additional information at that time. Contractors are advised that unless they are approved by POC to enter such restricted areas they are NOT TO ENTER. Remember: "When in doubt, stay out". Restricted areas are clearly marked stating such on outside doors/cabinets. Contractors authorized for such restricted areas need to receive additional related training both initially (prior to entry/material access) and annually and need to re-apply for background screening every year (in both cases must complete prior to 365 days from prior approval). Contact your POC regarding any questions concerning required annual training/background screening compliance.

5.7 I understand I have to produce proper identification when entering a NYPA facility. What types of identification are acceptable?

Official photo identification is always preferred. These include: US driver's license, DMV photo identification card, passport, permanent resident (green card), government, law enforcement or company document, etc. or two forms of non-photo identification to include: birth certificate, social security card, credit card, DD214 military document, company/school document, etc. All documents must be valid (not expired), readable and equivalent foreign documents described above are acceptable in certain cases provided they are officially transcribed to English language.

Proper identification must be in possession of contractor while on NYPA facilities and contractors are to visibly wear all issued security badges above waist. Return to Security/POC all security badges no longer needed.

5.8 Who do I notify when I leave, am reassigned to other duties or have a break in service to NYPA?

Always notify your POC of any change in your working situation at NYPA. If you are ending work, re-assigned or have work duties changed or plan to have a break in service (i.e. stop work at NYPA then begin again at some in the future), notify your POC of details and provide them with as much notice as possible. Supervisors/Company Management of other contractor employees or subcontractors is required to provide details to POC as
quickly as possible *(no less than within 24 hours before occurrence begins).* Attachment 8.4 "Revocation of Access" can be utilized and handed in as notification of all terminations. Written correspondence such as e-mails/business letters are also acceptable to provide contractor work status changes notification.

*All terminations (particularly “for cause”, i.e. performance) shall be reported within 24 hours (seven days a week) to POC and if not available to Security.*

Be advised that breaks in service for calendar duration for longer than 365 days shall warrant retraining and an update of background screening status regardless of whether unescorted access was granted for general and/or restricted access.

**5.9 Compliance with the Immigration Reform and Control Act (IRCA)**

Contractor has responsibility to properly complete and retain Form I-9 for all of its employee’s assigned work for NYPA in any work capability.

Contractor understands, and is in compliance with its obligations under IRCA.

Contractor warrants that it is not knowingly employing any workers assigned to NYPA who are not authorized to work for the contractor in the United States.

Contractor agrees to defend and indemnify NYPA for any liability arising out of claims that the Contractor’s employees are not authorized to work in the United States for the Contractor and/or any claims based upon alleged IRCA violations committed by the Contractor or Contractor personnel.

**6 REQUIRED COMPLIANCE INFORMATION**

The following information illustrates compliance with the Procedure.

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Procedure Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 2.0</td>
<td>Background Screening: Program Overview and Guidelines</td>
</tr>
</tbody>
</table>

**7 EXPIRATION AND DATA RETENTION**

This procedure shall be reviewed every two years unless changes to the procedures underlying assumptions require a change before the review cycle. The outcome of each change is a new revision. If the document requires no changes as a part of the review, the Content Owner shall acknowledge that no changes are required and the acknowledgement shall be captured in the revision history table. The background records will be maintained for three years.

Records shall be retained in accordance with NYPA’s approved records retention schedules and/or in compliance with all applicable legal requirements pertaining to NYPA.
8 ATTACHMENTS

8.1 Independent Contractors Screening Data Entry Cover Sheet

8.2 A Summary of Rights Under the Fair Credit Reporting Act

8.3 New York Correction Law Article 23-A

8.4 Revocation of Access Form
ATTACHMENT 8.2: A Summary of Rights under the Fair Credit Reporting Act

A Summary of Your Rights
Under the Fair Credit Reporting Act


The federal Fair Credit Reporting Act (FCRA) promotes the accuracy, fairness, and privacy of information in the files of consumer reporting agencies. There are many types of consumer reporting agencies, including credit bureaus and specialty agencies (such as agencies that sell information about check writing histories, medical records, and rental history records). Here is a summary of your major rights under the FCRA. For more information, including information about additional rights, go to www.ftc.gov/credit or write to: Consumer Response Center, Room 130-A, Federal Trade Commission, 600 Pennsylvania Ave. N.W., Washington, D.C. 20580.

- You must be told if information in your file has been used against you.
  Anyone who uses a credit report or another type of consumer report to deny your application for credit, insurance, or employment – or to take another adverse action against you – must tell you, and must give you the name, address, and phone number of the agency that provided the information.

- You have the right to know what is in your file.
  You may request and obtain all the information about you in the files of a consumer reporting agency (your “file disclosure”). You will be required to provide proper identification, which may include your Social Security number. In many cases, the disclosure will be free. You are entitled to a free file disclosure if:
  - A person has taken adverse action against you because of information in your credit report;
  - You are the victim of identity theft and place a fraud alert in your file;
  - Your file contains inaccurate information as a result of fraud;
  - You are on public assistance;
  - You are unemployed but expect to apply for employment within 60 days.

In addition, by September 2005 all consumers will be entitled to one free disclosure every 12 months upon request from each nationwide credit bureau and from nationwide specialty consumer reporting agencies. See www.ftc.gov/credit for additional information.

- You have the right to ask for a credit score.
  Credit scores are numerical summaries of your credit-worthiness based on information from credit bureaus. You may request a credit score from consumer reporting agencies that create scores or distribute scores used in residential real property loans, but you will have to pay for it. In some mortgage transactions, you will receive credit score information for free from the mortgage lender.
• You have the right to dispute incomplete or inaccurate information.
   If you identify information in your file that is incomplete or inaccurate, and report it to the consumer reporting agency, the agency must investigate unless your dispute is frivolous. See www.ftc.gov/credit for an explanation of dispute procedures.

• Consumer reporting agencies must correct or delete inaccurate, incomplete, or unverifiable information.
   Inaccurate, incomplete or unverifiable information must be removed or corrected, usually within 30 days. However, a consumer reporting agency may continue to report information it has verified as accurate.

• Consumer reporting agencies may not report outdated negative information.
   In most cases, a consumer reporting agency may not report negative information that is more than seven years old, or bankruptcies that are more than 10 years old.

• Access to your file is limited.
   A consumer reporting agency may provide information about you only to people with a valid need – usually to consider an application with a creditor, insurer, employer, landlord, or other business. The FCRA specifies those with a valid need for access.

• You must give your consent for reports to be provided to employers.
   A consumer reporting agency may not give out information about you to your employer, or a potential employer, without your written consent given to the employer. Written consent generally is not required in the trucking industry. For more information, go to www.ftc.gov/credit.

• You may limit "prescreened" offers of credit and insurance you get based on information in your credit report.
   Unsolicited "prescreened" offers for credit and insurance must include a toll-free phone number you can call if you choose to remove your name and address from the lists these offers are based on. You may opt-out with the nationwide credit bureaus at 1-888-5-OPTOUT (1-888-567-8688).

• You may seek damages from violators.
   If a consumer reporting agency, or, in some cases, a user of consumer reports or a furnish of information to a consumer reporting agency violates the FCRA, you may be able to sue in state or federal court.

• Identity theft victims and active duty military personnel have additional rights.
   For more information, visit www.ftc.gov/credit.
States may enforce the FCRA, and many states have their own consumer reporting laws. In some cases, you may have more rights under state law. For more information, contact your state or local consumer protection agency or your state Attorney General. Federal enforcers are:

<table>
<thead>
<tr>
<th>TYPE OF BUSINESS</th>
<th>PLEASE CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Reporting Agencies, creditors and others not listed below</td>
<td>Federal Trade Commission Consumer Response Center - FCRA Washington, D.C. 20580 1-877-382-4357</td>
</tr>
<tr>
<td>National banks, federal branches/agencies of foreign banks (word &quot;National&quot; or initials &quot;N.A.&quot; appear in or after bank's name)</td>
<td>Office of the Comptroller of the Currency Compliance Management, Mall Stop 6-6 Washington, D.C. 20219 800-613-6743</td>
</tr>
<tr>
<td>Federal Reserve System member banks . (except national banks, and federal branches/agencies of foreign banks)</td>
<td>Federal Reserve Consumer Help (FRCH) P O Box 1200 Minneapolis, MN 55480 Telephone: 888-951-1920 Website Address: <a href="http://www.federalreserveconsumerhelp.gov">www.federalreserveconsumerhelp.gov</a> Email Address: <a href="mailto:ConsumerHelp@FederalReserve.gov">ConsumerHelp@FederalReserve.gov</a></td>
</tr>
<tr>
<td>Savings associations and federally chartered savings banks (word &quot;Federal&quot; or initials &quot;F.S.B.&quot; appear in federal institution's name)</td>
<td>Office of Thrift Supervision Consumer Complaints Washington, D.C. 20552 800-842-6929</td>
</tr>
<tr>
<td>Federal credit unions (words &quot;Federal Credit Union&quot; appear in institution's name)</td>
<td>National Credit Union Administration 1775 Duke Street Alexandria, VA 22314 703-519-4600</td>
</tr>
<tr>
<td>State-chartered banks that are not members of the Federal Reserve System</td>
<td>Federal Deposit Insurance Corporation Consumer Response Center 2345 Grand Avenue, Suite 100, Kansas City, MO 64108-2638 1-877-275-3342</td>
</tr>
<tr>
<td>Air, surface, or rail common carriers regulated by former Civil Aeronautics Board or Interstate Commerce Commission</td>
<td>Department of Transportation Office of Financial Management Washington, D.C. 20590 202-386-1306</td>
</tr>
<tr>
<td>Activities subject to the Packers and Stockyards Act, 1921</td>
<td>Department of Agriculture Office of Deputy Administrator - GIPSA Washington, D.C. 20250 202-720-7051</td>
</tr>
</tbody>
</table>

12/13/2013
ATTACHMENT 8.3: New York Correction Law Article 23-A

NEW YORK CORRECTION LAW ARTICLE 23-A

LICENSE AND EMPLOYMENT OF PERSONS PREVIOUSLY CONVICTED ON ONE OR MORE CRIMINAL OFFENSES

§750. Definitions. For the purposes of this article, the following terms shall have the following meanings:

(1) "Public agency" means the state or any local subdivision thereof, or any state or local department, agency, board or commission.

(2) "Private employer" means any person, company, corporation, labor organization or association which employs ten or more persons.

(3) "Direct relationship" means that the nature of criminal conduct for which the person was convicted has a direct bearing on his fitness or ability to perform one or more of the duties or responsibilities necessarily related to the license, opportunity, or job in question.

(4) "License" means any certificate, license, permit or grant of permission required by the laws of this state, its political subdivisions or instrumentalities as a condition for the lawful practice of any occupation, employment, trade, vocation, business, or profession. Provided, however, that "license" shall not, for the purposes of this article, include any license or permit to own, possess, carry, or fire any explosive, pistol, handgun, rifle, shotgun, or other firearm.

(5) "Employment" means any occupation, vocation or employment, or any form of vocational or educational training. Provided, however, that "employment" shall not, for the purposes of this article, include membership in any law enforcement agency.

§751. Applicability. The provisions of this article shall apply to any application by any person for a license or employment at any public or private employer, who has previously been convicted of one or more criminal offenses in this state or in any other jurisdiction, and to any license or employment held by any person whose conviction of one or more criminal offenses in this state or in any other jurisdiction preceded such employment or granting of a license, except where a mandatory forfeiture, disability or bar to employment is imposed by law, and has not been removed by an executive pardon, certificate of relief from disabilities or certificate of good conduct. Nothing in this article shall be construed to affect any right an employer may have with respect to an intentional misrepresentation in connection with an application for employment made by a prospective employee or previously made by a current employee.

§752. Unfair discrimination against persons previously convicted of one or more criminal offenses prohibited. No application for any license or employment, and no employment or license held by an individual, to which the provisions of this article are applicable, shall be denied or acted upon adversely by reason of the individual's having been previously convicted of one or more criminal offenses, or by reason of a finding of lack of "good moral character" when such finding is based upon the fact that the individual has previously been convicted of one or more criminal offenses, unless:

(1) There is a direct relationship between one or more of the previous criminal offenses and the specific license or employment sought or held by the individual; or

(2) the issuance or continuation of the license or the granting or continuation of the employment would involve an unreasonable risk to property or to the safety or welfare of specific individuals or the general public.
§753. Factors to be considered concerning a previous criminal conviction; presumption. 1. In making a determination pursuant to section seven hundred fifty-two of this chapter, the public agency or private employer shall consider the following factors:

(a) The public policy of this state, as expressed in this act, to encourage the licensure and employment of persons previously convicted of one or more criminal offenses.

(b) The specific duties and responsibilities necessarily related to the license or employment sought or held by the person.

(c) The bearing, if any, the criminal offense or offenses for which the person was previously convicted will have on his fitness or ability to perform one or more such duties or responsibilities.

(d) The time which has elapsed since the occurrence of the criminal offense or offenses.

(e) The age of the person at the time of occurrence of the criminal offense or offenses.

(f) The seriousness of the offense or offenses.

(g) Any information produced by the person, or produced on his behalf, in regard to his rehabilitation and good conduct.

(h) The legitimate interest of the public agency or private employer in protecting property, and the safety and welfare of specific individuals or the general public.

2. In making a determination pursuant to section seven hundred fifty-two of this chapter, the public agency or private employer shall also give consideration to a certificate of relief from disabilities or a certificate of good conduct issued to the applicant, which certificate shall create a presumption of rehabilitation in regard to the offense or offenses specified therein.

§754. Written statement upon denial of license or employment. At the request of any person previously convicted of one or more criminal offenses who has been denied a license or employment, a public agency or private employer shall provide, within thirty days of a request, a written statement setting forth the reasons for such denial.

§755. Enforcement. 1. In relation to actions by public agencies, the provisions of this article shall be enforceable by a proceeding brought pursuant to article seventy-eight of the civil practice law and rules.

2. In relation to actions by private employers, the provisions of this article shall be enforceable by the division of human rights pursuant to the powers and procedures set forth in article fifteen of the executive law, and, concurrently, by the New York City commission on human rights.
ATTACHMENT 8.4: Revocation of Access Form

NYPA ACCESS AUTHORIZATION – BACKGROUND SCREENING SECURITY PROGRAM
REVOCATION OF ACCESS FORM

Company: ___________________________ Effective Date: ___________________________

☐ Albany Headquarters ☐ Blenheim-Gilboa (B-G) ☐ Niagara (NIA)
☐ Small Clean Power Plants ☐ Flynn (HOL) ☐ Other / Specify:
☐ Poletti (POL) / 500MW ☐ St. Lawrence (STL)
☐ White Plains Office ☐ Clark Energy Center (CEC)

NYPA Locations:

The independent contractor(s) listed below no longer require access to NYPA Facilities:

Independent Contractor Name: ______________________________________________________

Address: ______________________________________________________________________

Date of Birth: __________________________________________________________________

NYPA Badge Number: ________________ Returned on: ________________

Reason for Revocation: ___________________________________________________________

______________________________________________________________________________

Company Representative Signature Title

Company Name Telephone Date

NOTE: Terminations / Removal from NYPA job location or removal of need for NERC CIP CCA access warrants an immediate notification (within 24 hours) to Corporate / Site Security and paperwork to follow-up within 7 calendar days.
APPENDIX "E"

OMNIBUS PROCUREMENT ACT OF 1992 REQUIREMENTS

A. DECLARATION OF POLICY

It is the policy of New York State to encourage the use of New York state subcontractors and suppliers, and to promote the participation of minority and women-owned businesses where possible, in the procurement of goods and services.

1. A New York State Business Enterprise shall mean a business enterprise, including a sole proprietorship, partnership, or corporation which offers for sale or lease or other form of exchange, goods which are sought by the Authority and which are substantially manufactured, produced or assembled in New York State or services which are sought by the Authority and which are substantially performed within New York State.

2. A New York resident means a natural person who maintains a fixed, permanent and principal home located within New York State and to which such person, whenever temporarily located, always intends to return.

3. A Foreign Business Enterprise means a business enterprise, including a sole proprietorship, partnership of corporation, which offers for sale, lease or other form of exchange, goods which are sought by the corporation and which are substantially produced outside New York State, or services, other than construction services sought by the corporation which are substantially performed outside New York State. For purposes of construction services, foreign business enterprise shall mean a business enterprise, including a sole proprietorship, partnership of corporation, which has its principal place of business outside New York State.

B. Information concerning the availability of New York State subcontractors and suppliers and the directory of Certified Minority and Women-Owned Business Enterprises is available from:

New York State Department of Economic Development
Division for Small Business
One Commerce Plaza
Albany, New York 12245
Phone: (518) 474-7756
Fax: (518) 468-6416

C. For all contracts the Authority requires bidders to identify the location of the plant where equipment is substantially manufactured, produced or assembled or where services are substantially performed using the Geographic Origin Form, annexed hereto as Attachment 1.

D. A bidder located in a foreign country will cooperate with any effort to obtain offset credits from foreign countries as a result of the contract. The Authority may assign or otherwise transfer offset credits created by this contract to third parties located in New York State.

E. CONTRACTS EQUAL TO OR GREATER THAN ONE MILLION DOLLARS

1. For any contract let by the Authority in an amount equal to or greater than one million dollars, the bidder shall, as supplementary materials to its bid: Document its efforts that it has (a) solicited bids, in a timely and adequate manner, from New York State Business Enterprises including certified Minority and Women-Owned Business, or (b) contacted the New York State Department of Economic Development to obtain listings of New York State Business Enterprises, or (c) placed notices for subcontractors and suppliers in newspapers, journals and other trade publications distributed in New York State, or (d) participated in bidder outreach conferences. If the Bidder determines that New York State Business Enterprises are not available to participate on the contract as subcontractors or suppliers, the bidder shall provide a statement to the Authority indicating the method by which such determination was made. If the Bidder does not intend to use subcontractors on the contract, the Bidder shall provide a statement to the Authority verifying such intent.

2. As documentation of its efforts to encourage the participation of New York State Business Enterprises and Minority and Women Owned Businesses as suppliers and subcontractors pursuant to this section, the bidder shall submit the Documentation Checklist, annexed hereto as Attachment 2. The bidder’s notification to New York State residents can be provided by telecopying a Fast Fax Job Order form to the Community Service Division of the New York State Department of Labor. A Fast Fax Job Order form is annexed hereto as Attachment 3. The bidder may attach a completed Fast Fax Job Order form as documentation of its efforts to provide notification pursuant to this section.

3. Following the award of any procurement contract equal to or greater than 1 million dollars, the contractor shall submit the Post-Award Compliance Report, annexed hereto as Attachment 4, documenting its notification efforts.

4. By submission of its bid, the bidder attests to compliance with the federal equal employment opportunity act of 1972 (P.L. 92-261), as amended.
ATTACHMENT 1

NEW YORK POWER AUTHORITY
GEOGRAPHIC ORIGIN FORM

Bidder:

IMPORTANT NOTE TO BIDDERS

Pursuant to the Omnibus Procurement Act of 1992, the Authority is required to determine whether each award is designated as a NYSBE or FBE. Please complete this form to identify the location of the plant where each item in this bid package is substantially manufactured, produced or assembled or where services will be substantially performed. If necessary, please contact the manufacturer to insure the accuracy of this information.

RETURN THIS FORM WITH YOUR PROPOSAL.

NOTE: (a) If all items are substantially manufactured in the same location, complete only item 1 indicating same.  
(b) If all items are not substantially manufactured in the same location, complete a section for each item in this bid package.

PLEASE copy this form as needed for additional items.

EQUIPMENT

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION &amp; MODEL NUMBER</th>
<th>ESTIMATED QUANTITY</th>
<th>UNIT PRICE</th>
<th>TOTAL PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td>$______</td>
<td>$______</td>
<td>$______</td>
</tr>
</tbody>
</table>
  Manufacturer: ________________  City: ________________  State: ________________
  Address of plant where item is substantially manufactured:

| 2.       |                            | $______            | $______    | $______    |
  Manufacturer: ________________  City: ________________  State: ________________
  Address of plant where item is substantially manufactured:

| 3.       |                            | $______            | $______    | $______    |
  Manufacturer: ________________  City: ________________  State: ________________
  Address of plant where item is substantially manufactured:

| 4.       |                            | $______            | $______    | $______    |
  Manufacturer: ________________  City: ________________  State: ________________
  Address of plant where item is substantially manufactured:

| 5.       |                            | $______            | $______    | $______    |
  Manufacturer: ________________  City: ________________  State: ________________
  Address of plant where item is substantially manufactured:

SERVICES

Please indicate the location where services will be substantially performed:
NEW YORK POWER AUTHORITY
DOCUMENTATION CHECKLIST
(FOR PROCUREMENT CONTRACTS EQUAL TO OR GREATER THAN $1 MILLION)

BIDDER: ___________________________ INQUIRY NUMBER: ___________________________

Pursuant to the Omnibus Procurement Act of 1992 and Section 2879 of the Public Authorities Law, the bidder is required to document its efforts to encourage participation of New York State Business Enterprises and Certified Minority and Women Business Enterprises as supplier and subcontractors.

A. The Bidder shall document its efforts to show that it has:

1. Solicited bids in a timely and adequate manner from New York State Business Enterprises including Certified Minority and Women Owned Businesses; or

2. Contacted the New York State Department of Economic Development to obtain listings of New York State Business Enterprises and Certified Minority and Women Owned Businesses for opportunities as subcontractors and suppliers in this procurement contract; or

3. Notified New York State Residents of opportunities as subcontractors and suppliers in this procurement contract by one or more of the following methods:
   a. Placing advertisements in newspapers, journals or other trade publications distributed in New York State.
   b. Contacting the New York State Community Service Division via the attached Fast Fax Job Order form (annexed hereto as Attachment 3).
   c. Participating in Bidder Outreach Conferences.

B. Where there are no New York State Business Enterprises available to participate as subcontractors or suppliers, the successful bidder will provide the Authority with a statement indicating the method by which such determination was made.

C. Where the successful bidder does not intend to use any subcontractors or suppliers in this procurement contract, a statement shall be provided to the Authority indicating such.

The undersigned assures related documentation is on file and available upon request to the Authority or New York State.

BY: ___________________________ BY: ___________________________
SIGNATURE NAME/TITLE PRINTED
New York State Department of Labor
Job Order

Employer: Please complete one Job Order for each job title and fax/mail to us. It is only necessary to notify one office of your opening. By using this form to post your openings you will reach all Department of Labor offices.

Company ___________________________ Unemployment Insurance Employer Registration No. __________
Address ____________________________ City ____________________________ State __________ Zip ________
Telephone # ( ) _____________________ Ext. ______ Fax #( ) ____________________________

What goods or services does your Company produce? ______________________________________________________

Person to contact for interview __________________________________________ Title ______________________

E-mail address ________________________ Worksite, if different from company address ______________________

Travel Directions (Include public transportation, if available): __________________________________________________

Does your Company have a Federal Contract requiring job openings to be listed with the Department of Labor (FCIL)? Yes ______ No ______
Does your Company wish to receive more information on tax incentives for hiring from targeted groups? Yes ______ No ______

Title Of Job Opening ___________________________ Number Of Job Openings __________
Referral Instructions: Fax/Send Resume ______ Send Direct ______ Call Before Sending ______

Number of Persons You Wish to Interview ______ Number of Resumes You Wish to Review ______

### Job Requirements

<table>
<thead>
<tr>
<th>Years of Education Needed</th>
<th>Specialized Education? (Type of Degree)</th>
</tr>
</thead>
<tbody>
<tr>
<td>_________________________</td>
<td>_______________________________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Years of Experience Required</th>
<th>Will you accept a trainee?</th>
</tr>
</thead>
<tbody>
<tr>
<td>___________________________</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td><strong>If Yes, specify:</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Will you accept related experience?</th>
<th>Yes ______ No ______</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Job is:</th>
<th>Full Time</th>
<th>Part-Time</th>
<th>Regular</th>
<th>Temporary</th>
<th>(From ___ to ___)</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Work Hours: From ___ To ___</th>
<th>Total hours per week ___</th>
<th>Overtime: Yes ______ No ______</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle Work Days: $ $ $ $</td>
<td>M T W T F</td>
<td>Pay Period: Weekly Bi-Weekly</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Salary Range: From $ ____ To $ ____</th>
<th>Per ___</th>
<th>Monthly Bi-Monthly</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Salary Negotiable?</th>
<th>Yes ______ No ______</th>
</tr>
</thead>
</table>

### Other Hiring Requirements/Benefits

<table>
<thead>
<tr>
<th>Driver's License</th>
<th>Yes ______ No ______</th>
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</thead>
<tbody>
<tr>
<td>Own Tools</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Physical Exam</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Drug Screening</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Employment/Security Test</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Other Tests</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Must Join Union</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Bondable</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Class</td>
<td>________________</td>
</tr>
<tr>
<td>Health Insurance</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Life Insurance</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Dental Insurance</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Paid Vacation</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Paid Sick Leave</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Retirement Plan</td>
<td>Yes ______ No ______</td>
</tr>
<tr>
<td>Other</td>
<td>________________</td>
</tr>
</tbody>
</table>

### Job Description

Please describe your job opening. List your special knowledge, skills, aptitudes, abilities required; equipment used or operated; special physical demands or working conditions. If available, provide a detailed job description. Include the worksite location, if different from the company address. Attach additional sheets if necessary.

Job Description: ____________________________________________________________

*Required only after job offer and if relevant to job opening.

All hiring requirements must be bona fide occupational qualifications

ES 515 (09-07)
The information you provide on the other side of this form will help us to understand your hiring needs, and to locate and select suitable candidates. Please review the information below, and use it as a guide when completing the Job Order form. Then mail or fax the form to the office nearest you, or use the form as a guide if you prefer to telephone us with your job order.

Unemployment Insurance Employer Registration Number: Please provide this number when faxing or calling in a job order. This verifies that you are authorized to operate within New York State. If you are a new employer and have just applied for this number, please advise us; we will use your Federal Tax ID number on an interim basis.

Referral Instructions: On job listings made available for job seekers' review, the Department of Labor-witholds the employer's name, address, and contact information. This allows our staff to screen individuals' qualifications before referring them to you, and to send only the number of candidates or resumes you have requested.

Referral Results: It is critical for us to get feedback concerning the quantity and quality of the referrals that we make to your company. This will help us in our constant goal of improving our service to you and to the business community. For this reason, if we do not hear from you about referral results, Department of Labor staff may contact you for this information.

National Exposure: America's Job Exchange (AJE) is a nationwide network of job banks from other states that includes an Internet site. Your job openings will reach a nationwide audience of job seekers. (www.americasjobexchange.com)

Veterans Preference: The Department of Labor makes every effort to find the most suitable candidates for your job opening(s). Our job seeker file contains military veterans skilled in many occupations and job duties. Department of Labor policy is to refer qualified veterans to job openings before qualified non-veterans.

Benefits: To attract the best applicants, it is important for you to let potential employees know the benefits that you offer with your job. To some individuals, the benefits you provide may be more important than salary.

Technology

The New York State Department of Labor helps employers fill thousands of job openings with qualified workers each year. Like any other service agency, we are always looking for ways to make our operation more efficient and responsive to the people we serve. As part of this continuing effort, we have introduced some enhancements for matching candidates to job openings, using computer technology:

- **Computer Matching** - A computerized pre-screening and notification system that alerts potential candidates of your job opening, matching your job requirements with an applicant's special skills and abilities.

- **Internet** - Job openings listed with the Department of Labor can be viewed on our Internet Home Page. This web site includes a direct link to America's Job Exchange, as well as a variety of resource information for both employers and job seekers. Visit our web site at http://www.labor.state.ny.us to access economic and demographic data, including wages, occupational projections and other labor Market information relevant for business customers.
<table>
<thead>
<tr>
<th>Location</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALBANY, NY 12206 (*)</td>
<td>Julie Goodison, 199 Franklin Street, Suite 204, Fax: 518-842-3802, Phone: 518-842-9246</td>
</tr>
<tr>
<td>(Albany County)</td>
<td>Jullie ette Raynor, 458 West Avenue, Suite 3, Fax: 518-842-9246, Phone: 518-842-9246</td>
</tr>
<tr>
<td>Ca reer Central</td>
<td></td>
</tr>
<tr>
<td>AMSTERDAM, NY 12010 (*)</td>
<td>Kathleen Marnell, 2620 Riverfront Center, Fax: 518-842-9246, Phone: 518-842-9246</td>
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<tr>
<td>(Montgomery County)</td>
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<tr>
<td>BALLSTON SPA, NY 12020 (*)</td>
<td>Robert Monthie, 284 Main Street, Fax: 716-851-2638, Phone: 716-851-2638</td>
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<tr>
<td>(Saratoga County)</td>
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<tr>
<td>BATH, NY 14810 (Steuben County)</td>
<td>Bath Career Center, 117 East Steuben Street, Fax: 607-776-7820, Phone: 607-776-7820</td>
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<td>Battavia</td>
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<td>CAYUGA, NY 14020 (*)</td>
<td>Kathleen Marnell, 6 Court Street, Room 105, Fax: 518-631-7587, Phone: 518-631-7587</td>
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<td>BUFFALO, NY 14203 (*)</td>
<td>Catherine Grant, 284 Main Street, Fax: 716-851-2638, Phone: 716-851-2638</td>
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<td>CANTON, NY 13617 (*)</td>
<td>Margaret Herrera, 23 East Third Street, Fax: 518-725-6473, Phone: 518-725-6473</td>
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<td>CARMEL, NY 10512 (*)</td>
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<td>Kathleen Marnell, 672 North Street, Fax: 518-725-6473, Phone: 518-725-6473</td>
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NEW YORK POWER AUTHORITY
POST-AWARD COMPLIANCE REPORT
(FOR PROCUREMENT CONTRACTS EQUAL TO OR GREATER THAN $1 MILLION)

To be completed by contractor upon notification of award.

Pursuant to the Omnibus Procurement Act of 1992, the Authority requires the contractor to complete this form.

NAME OF CONTRACTOR: _______________ CONTRACT NUMBER: _______________

1. The contractor has made all reasonable efforts to encourage the participation of NYS Business Enterprises as suppliers and subcontractors in this procurement contract.

   YES ___ NO

   If no, please explain:

2. The contractor has contacted the NYS Department of Economic Development to obtain listings of NYS subcontractors and suppliers for products and services currently purchased from out-of-state/foreign firms.

   YES ___ NO

   If no, please explain:

3. The contractor has utilized other source(s) to identify NYS subcontractors and suppliers.

   YES ___ NO

   If yes, please identify source(s):

   If no, please explain:


   YES ___ NO

5. The contractor has provided NYS residents notice of new employment opportunities resulting from this procurement contract by listing any such positions with the Job Service Division of the NYS Department of Labor via Fast Fax form or other method consistent with collective bargaining agreements or contracts.

   YES ___ NO

   Attach documentation of notification; if none, please explain:

By signing this Post-Award Compliance Report the contractor assures the above information is true and supporting documentation is available (upon request by New York State or the Authority).

BY: ____________________        BY: ____________________
    SIGNATURE               NAME/TITLE PRINTED
APPENDIX “F”

Computer Aided Design Requirements for New York Power Authority Drawings

General Information:

The following Computer Aided Design (CAD) requirements shall apply to drawings furnished to the New York Power Authority (NYPA) by Architecture, Engineering & Construction (AEC) firms, Vendors, Manufacturers or any other organizations contracted by the New York Power Authority that involve the development of new and/or revision of existing design drawings.

CAD Drawing Requirements:

1. All CAD drawings shall be created and/or modified using officially licensed and currently supported AutoCAD software from Autodesk, Inc. (Currently supported is defined by the OEM as the three latest versions)

2. All raster images in existing hybrid drawings (combination of raster and CAD vector information) shall be edited using officially licensed and currently supported versions of Raster Design from Autodesk, Inc.

3. All other CAD software or third party applications shall not be used to develop or modify drawing files unless approved in advance by NYPA’s Director of Design & Drafting or designee.

4. Drawings shall not be created or edited using other CAD related applications and then translated or converted into AutoCAD format unless approved in advance by NYPA’s Director of Design & Drafting or designee.

5. All models in AutoCAD drawings shall be drawn at full scale in Model Space. All viewports in Paper Space shall be scaled to the noted view scale as depicted below the view name or as shown in the title block.

6. All geometry and annotation associated with the drawing model shall be placed in Model Space with the exception of general notes, reference drawing lists, legends and view labels which shall be placed in Paper Space.

7. Only standard line types, shape files and fonts that are installed by AutoCAD are to be used when creating new drawings or editing existing NYPA drawings.

8. All AutoCAD objects shall be drawn with Color, Linetype, Lineweight and Plot Style properties set to ByLayer.

9. All drawing text shall be Romans.shx font and sized to correspond to 0.1000 height and 0.9000 width in Paper Space. This shall be used on all text and dimensions placed in Model Space.

10. All layers shall be turned on and thawed with the exception of the X-TBLOCK layer which shall remain frozen. The X-TBLOCK layer is used for concurrent engineering copies of original plant/facility drawings. (Concurrent engineering copies are controlled copies of plant or facility drawings that are created for new and existing drawings by NYPA Design & Drafting personnel for specific modifications.)

11. AutoCAD blocks shall not be exploded.
12. Drawing files shall contain only one layout tab. Prior approval by NYPA’s Director of Design & Drafting or designee is required if multiple layout tabs are deemed necessary to accurately depict portions of the whole model.

13. All external references in AutoCAD drawings shall be converted to standard local AutoCAD block definitions using the Insert method.

14. NYPA shall provide the AutoCAD plot style files associated with the requested drawings. The plot style files (.ctb, .stb) shall not be altered in any way or substituted.

15. Requests for drawing files, AutoCAD template files and drawing numbers shall be directed to NYPA’s Design/Drafting Supervisors at the respective site where the files are managed.

**Submittal Requirements:**

1. Hardcopy drawing submissions shall include a set of plotted drawings that include inked approvals and a New York State Professional Engineer (P.E.) wet or embossed seal.

2. Electronic CAD files (.dwg) shall have the NYS Professional Engineer seal as an electronic facsimile or represented as text with the State’s name, Engineer’s name, License number and approval date in the space provided on each drawing for P.E. Seals.

3. A Portable Document Format (PDF) file shall also be provided for each CAD drawing that corresponds to the plotted drawing size.

4. A list of all submitted drawings shall be provided in a spreadsheet format (Microsoft Excel .xls or equivalent) that contains the drawing number, original issue date, current revision number, and complete drawing title.

5. Electronic storage media (CD/DVD) containing AutoCAD and PDF files shall be clearly marked with the Vendor’s name, NYPA Project name, NYPA Facility name and NYPA Contract number. The disc (CD/DVD) shall contain a full set of completed AutoCAD drawings that includes all approval signatures shown in AutoCAD text format.

6. Transmittals of hard copies of drawings and storage media shall be delivered to the individual identified in the contract agreement. These requirements apply to drawings furnished for contract closeout or as record documentation.

7. Officially signed and P.E. sealed hardcopy plots shall not contain any other manually entered content other than signatures and wet seal.

8. Drawings and/or electronic files shall not contain any copyrighted information or entities which NYPA has not been granted full rights for use.

9. Any questions or exceptions related to the aforementioned requirements shall be submitted to NYPA’s Director of Design & Drafting before the commencement of any design drawing work.
During the performance of this contract, the Contractor agrees as follows:

I. **EQUAL EMPLOYMENT OPPORTUNITIES (EEO) REQUIREMENTS [Applicable to all Contracts valued at $25,000 or less]**

   A. The Contractor will not discriminate against any employee or applicant for employment because of age, race, creed, color, sex, national origin, marital status or disability (as defined in Section 292 of the Executive Law) and will take affirmative action to ensure that they are afforded equal employment opportunities without discrimination because of age, race, creed, color, sex, national origin, marital status or disability. Such action shall be taken with reference, but not limited to: recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff or termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on-the-job training.

   B. The Contractor will send to each labor union or representative of workers with which he is bound by a collective bargaining or other agreement or understanding, a notice, to be provided by the State Division of Human Rights, advising such labor union or representative of the Contractor’s agreement under clauses (a) through (g) (hereinafter called "nondiscrimination clauses"). If the Contractor was directed to do so by the Authority as part of the bid or negotiation of this Contract, the Contractor shall request such labor union or representative to furnish him with a written statement that such labor union or representative will not discriminate because of age, race, creed, color, sex, national origin, martial status or disability and that such labor union or representative either will affirmatively cooperate, within the limits of its legal and contractual authority, in the implementation of the policy and provisions of these nondiscrimination clauses or that is consistent and agrees that recruitment, employment and the terms and conditions of employment under this Contract shall be in clauses. If such labor union or representative fails or refuses to comply with such request that it furnish such a statement, the Contractor shall promptly notify the Authority of such failure or refusal.

   C. The Contractor will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the State Division of Human Rights setting forth the substance of the provisions of clauses A. and B. and such provisions of the State's laws against discrimination as the State Division of Human Rights shall determine.

   D. The Contractor will state, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, that all qualified applicants will be afforded equal employment opportunities without discrimination because of age, race, creed, color, sex, national origin, marital status or disability.

   E. The Contractor will comply with the provisions of Sections 291-299 of the Executive Law and with the Civil Rights Law, will furnish all information and reports deemed necessary by the State Division of Human Rights under these nondiscrimination clauses and such sections of the Executive Law, and will permit access to his books, records and accounts by the Authority, the State Division of Human Rights, the Attorney General and the Commissioner of Labor for purposes of investigation to ascertain compliance with these nondiscrimination clauses and such section of the Executive Law and Civil Rights Law.

II. **EQUAL EMPLOYMENT OPPORTUNITIES (EEO) REQUIREMENTS [Applicable to all Contracts valued over $25,000]**

   A. In accordance with the Authority's Minority and Women Owned Business Enterprise Policy and with Article 15-A of the Executive Law and the regulations promulgated thereunder, the Authority has established the following Equal Employment Opportunity Requirements. The EEO requirements are applicable to all Authority Contracts issued in excess of $25,000 and/or where a Contractor has a work force of 10 employees or more working on an Authority Contract.

   B. The Contractor shall designate and make known to the Authority an EEO officer who will have the responsibility for and the authority to effectively administer their EEO program.

   C. **IF A CONTRACTOR DOES NOT SUBMIT, WITH ITS BID PROPOSAL, AN EEO POLICY STATEMENT AND STAFFING PLAN OR TOTAL WORK FORCE INFORMATION, THE BID WILL BE REJECTED UNLESS REASONABLE JUSTIFICATION FOR SUCH FAILURE IS PROVIDED IN WRITING OR A COMMITMENT IS MADE TO PROVIDE SUCH DOCUMENTS BY A DATE SPECIFIED BY THE AUTHORITY.**

**EEO POLICY**

It is the policy of the Authority to afford Equal Employment Opportunities regardless of race, creed, color, national origin, sex, age, disability or marital status. The EEO requirements also provide methods for Contractors to identify, recruit, and employ minority group members and women on State contracts. The parties agree as a condition of an Authority Contract to be bound by the provisions of Section 312 of Article 15-A of the Executive Law, as well as to any other applicable provisions under the law and this Contract.

1. **DEFINITIONS**

   A) Business Enterprise. Any entity, including a sole proprietorship, partnership or corporation which is authorized to and engages in lawful business transactions in accordance with New York State Law.

   B) Contractor. The person, partnership or corporation to whom the Authority's Procurement/Service Contract for Goods/Materials or Services is awarded.

   C) Equal Employment Opportunities (EEO). A Contractor and subcontractor's concurrence and active efforts to afford employment opportunities for minority group members and women without discrimination because of race, creed, color and national origin, sex, age, disability or marital status, and to employ and utilize minority group members and women in their work forces on Authority Contracts.

   D) Labor Force Availability Data. Data pertaining to the relevant availability and expected levels of participation of minority group members and women on Authority Contracts. The data are developed by the New York State (NYS) Department of Economic Development, Division of Minority and Women’s Business Development (DMWBD) and are based upon the most recent census data provided by the NYS Department of Labor, Bureau of Labor Market Information, aggregated into nine (9) Federal Occupational Categories. The nine Occupational Categories include: Official and Admin., Professionals, Office and Clerical, Skilled Craft, Operatives, Laborers, Technicians, Service Workers, and Sales Workers.

   E) Minority Group Member. A United States Citizen or permanent resident alien who is and can demonstrate membership in one of the following groups:

   1) Black persons having origins in any of the Black African racial group;

   2) Hispanic persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American descent of either Indian or Hispanic origin, regardless of race;
III. SUMMARY OF EQUAL EMPLOYMENT OPPORTUNITY REGULATIONS

A. The new Equal Employment Opportunity (EEO) regulations provide methods for Contractors to identify, recruit and employ minority group members and women on State contracts. The regulations enable the State, with regard to minority group members and women, to measure utilization and to assist Contractors in expanding employment opportunities.

B. The regulations are in accordance with Section 312 of Executive Law, Article 15-A, and are consistent with the State's policy of affording equal employment opportunities regardless of race, creed, color, national origin, sex, age, disability or marital status. The regulations apply to all State contracts, as defined by Article 15-A.

C. RESPONSIBILITIES OF CONSTRUCTION CONTRACTORS ARE TO:

1. undertake or continue existing programs of affirmative action;
2. submit to the Authority, prior to the award of the Contract, an EEO Policy Statement;
3. ensure that all subcontractors comply with the EEO requirements;
4. submit to the Authority, within ten (10) days of Contract award, a Work Force Employment Utilization Report including the same information now mandated by the federal government, such as employees' hours worked on activities related to the Contract broken down by ethnic background, gender and specified occupational categories; and
5. provide to the Authority, with a Work Force Employment Utilization Report on a monthly basis throughout the life of the Contract.
6. within five (5) business days of contract award, obtain from the Authority a copy of the New York State Labor Force Availability data document for its use in complying with EEO requirements.

D. RESPONSIBILITIES OF COMMODITIES, SERVICES/CONSULTING, AND PROFESSIONAL CONSTRUCTION CONSULTANT CONTRACTORS ARE TO:

1. undertake or continue existing programs of affirmative action;
2. submit to the Authority an EEO policy statement after a bid opening, but before the Contract is awarded;
3. ensure that all subcontractors comply with the EEO requirements;
4(a). submit to the Authority, pre-award, a staffing plan that describes the anticipated work force on the contract broken down by ethnic background, gender and specific occupational categories; or
4(b). or alternatively submit, pre-award, where the work force on the Contract cannot be separated out from the contractor's total work force, information on the total work force broken down by ethnic background, gender and specified occupational categories;
5(a). submit to the Authority, within ten (10) days of Contract award, a Work Force Employment Utilization Report including the total number of actual employees working on the Contract broken down by ethnic background, gender and specified occupational categories; or
5(b). or alternatively submit, within ten (10) days of Contract award, where the work force on the Contract cannot be separated out from the Contractor's total work force, semi-annual information on the total work force; and
6. provide to the Authority, when the work force utilization information changes, revised work force utilization reports on a quarterly basis throughout the life of the Contract.

E. RESPONSIBILITIES OF STATE AGENCIES ARE TO:

1. revise their annual goal plans to include steps that will be taken to implement and ensure compliance with the EEO requirements and any proposed modifications to the implementation of these requirements;
2. supply to the successful Contractor a copy of New York State's Economic Development Labor Force Availability Data. The data is provided as a tool to aid in determining the expected level of participation consistent with the labor force availability and geographic locations of minority and women in the county where the work is being performed.
3. provide quarterly reports to the DMWBD on Contractors' work force information broken down by ethnic background, gender and specified occupational categories;
4. monitor Contractors' compliance with the EEO regulations and provide the DMWBD with written compliance findings annually;
5. resolve noncompliance matters with Contractors. Those matters that cannot be resolved must be submitted to the Executive Director of the DMWBD; and
6. conduct an in-depth analysis, evaluating whether, with regard to minority group members and women, the Contractor:
   a) maintains a list of recruitment sources (available from DMWBD);
   b) provides written notification to recruitment sources of job openings;
   c) disseminates its EEO policy by including it in advertising; and
   d) supports recruiting, hiring, apprentice training and internal EEO policies and procedures.
Project/RFp Title: ____________________________ 
Location of Contract (County): _______________ 
Zip Code: ____________ 
Contractor/Firm Name: ________________________ 
Address: ____________________________________ 
City: ____________ State: _______________ 
Zip Code: ____________ 

Check applicable categories: 
(1) Staff Estimates include: 
☐ Contract/Project Staff 
☐ Total Work Force 
☐ Subcontractors 
(2) Type of Contract: 
☐ Construction Consultants 
☐ Commodities 
☐ Services/Consultants 

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Company Official’s Name: ____________________________ 
Title: __________________________________________ 
Company Official’s Signature: ____________________________ 
Telephone #: ___________________________________ 
Date: ___________________________________
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<tr>
<th>Federal Occupational Category</th>
<th>Total Number of Employees</th>
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<th>Hispanic</th>
<th>Asian or Pacific Islander</th>
<th>Native American/Alaskan Native</th>
<th>Total Percent Minority Employees</th>
<th>Total Percent Female Employees</th>
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Company Official’s Name: ___________________________ Title: ___________________________

Company Official’s Signature: ___________________________ Telephone #: ___________________________ Date: ___________________________
GENERAL INFORMATION:

1. **Name of contracting state agency** and state agency code (five digit code).
2. **Reporting period** covered by report (mm/dd/yy to mm/dd/yy); check to indicate Quarterly or Semi-Annual Report.
3. **Contractor firm name** (prime contractor on summary report submitted to agency) and **address** (including city name, state and zip code); check if the contractor is a NOT-FOR-PROFIT.
4. **Type of Report:** check to indicate whether report covers (i) the Contract Specific Work Force or (ii) the Company's Total Work Force (in the event the contract specific work force cannot be separated out).
5. **Contractor Federal Employer Identification number** or payee identification number (prime contractor i.d. on summary report); check to indicate prime or subcontractor report.
6. **Contract Amount** is dollar amount based on terms of the contract.
7. **Contract number** is the agency assigned number given to the contract.
8. **Location of work** including county and zip code where work is performed.
9. Indicate **Product or Service provided** by contractor (brief description).
10. **Contract start date** is month/day/year work on contract actually began.
11. Contractor's **estimate of the percentage of work completed** at the end of this reporting period.

FEDERAL OCCUPATIONAL CATEGORIES: The contractor's work force is broken down and reported by the nine Federal Occupational Categories (FOC's) consistent with the Federal government's EEO-1 categories for the private sector labor force. These are: Officials and Manager, Professionals, Technicians, Sales, Office & Clerical (Administrative Support), Craft Workers, Operative, Laborers and Service Workers. The categories are general in nature, and include all related occupational job titles. The contracting agency can provide assistance in categorizing specific jobs.

TOTAL NUMBER OF EMPLOYEES: Record the total number of all persons employed in each FOC during the reporting period, regardless of ethnicity (either working on the specific contract OR in the contractor's total work force, based on the type of report indicated above). Report the total number of male (M) employees in column (1) and the total number of female (F) employees in column (2) for each FOC. In columns (3) through (10) report the numbers of male and female minority group members employed, based on the following defined groups:

- **Black (not of Hispanic origin):** all persons having origins in any of the Black African racial groups;
- **Hispanic:** all persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American or either Indian or Hispanic origin, regardless of race;
- **Asian or Pacific Islander:** all persons having origins in any of the Far East countries, South East Asia, the Indian subcontinent or Pacific Islands;
- **Native American or Alaskan Native:** all persons having origins in any of the original peoples of North America.

**TOTAL % MINORITY** = sum of all minority group members (male and female) employed in the FOC divided by the total number of all employees in that FOC (column 1 + column 2).

**TOTAL % FEMALE** = total number of female employees in the FOC (column 2) divided by the total number of all employees in that FOC (column 1 + column 2).

TOTALS: column totals should be calculated (sum each column) for all FOC's combined. Total minority and female percentages should be calculated as shown above, based on the column totals.

SUBMISSION: The Work Force Employment Utilization Report is to be completed by both prime and subcontractors and signed and dated by an authorized representative before submission. This Company Official's name, official title and telephone number should be printed or typed where indicated on the bottom of the form.

The prime contractor shall complete a report for its own work force, collect reports completed by each subcontractor, and prepare a summary report for the entire combined contract work force. The reports shall include the total number of employees in each occupational category for all payrolls completed in the monthly reporting period. The prime contractor shall submit the summary report to the contracting agency as required by Part 542 of Title 9 Subtitle N of the NYCRR pursuant to Article 15-A of the Executive Law.
## CONTRACTOR WORK FORCE EMPLOYMENT UTILIZATION REPORT

**COMMODITIES FIRMS**

**Form G-3**

---

**Agency:** New York Power Authority  
**Code:** 99905  
**Reporting Period (check one):**  
- [ ] Quarterly Report  
- [ ] Semi-Annual Report  

**Contractor Firm Name:**  
**Address:**  
**City:**  
**State:**  
**Zip Code:**  

- [ ] Check if NOT_FOR_PROFIT  
- [ ] Check one:  
  - [ ] Prime Contractor  
  - [ ] Subcontractor  

**Type of Report:**  
- [ ] Contract Specific  
- [ ] Work Force  
- [ ] Total Work Force  

**Federal ID/Payee ID No:**  
**Contract No.:**  
**Location of Work (County):**  
**Zip Code:**  

**Product/Service Provided:**  
**Contract Amount:**  
**Contract Start Date:**  
**Percent of Job Completed:**  

---

### Number of Employees

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<th>Federal Occupational Category</th>
<th>Total Number of Employees</th>
<th>Black (Not of Hispanic Origin)</th>
<th>Hispanic</th>
<th>Asian or Pacific Islander</th>
<th>Native American/Alaskan Native</th>
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</table>

**Company Official’s Name:**  
**Title:**  
**Company Official’s Signature:**  
**Telephone #:**  
**Date:**
PURPOSE: The Work Force Employment Utilization Report for Commodities Firms is prepared by all contractors, and subcontractors if any, providing goods, products or merchandise to a state agency to document their actual employment of minority group members and women during the period covered by the report. The report has a format similar to forms used by the Federal government for reporting equal employment opportunity data. When the contract specific work force can be identified, the report covers all employees (including apprentices or trainees) working on the project. If the contract specific work force cannot be separated out, the contractor's total work force is reported. The completed reports are used by the contracting state agency to monitor the contractor's and subcontractor's compliance with the contract's equal employment opportunity requirements.

GENERAL INFORMATION:

1. Name of contracting state agency and state agency code (five digit code).
2. Reporting period covered by report (mm/dd/yy to mm/dd/yy); check to indicate Quarterly or Semi-Annual Report.
3. Contractor firm name (prime contractor on summary report submitted to agency) and address (including city name, state and zip code); check if the contractor is a NOT-FOR-PROFIT.
4. Type of Report: check to indicate whether report covers (i) the Contract Specific Work Force or (ii) the Company's Total Work Force (in the event the contract specific work force cannot be separated out).
5. Contractor Federal Employer Identification number or payee identification number (prime contractor i.d. on summary report); check to indicate prime or subcontractor report.
6. Contract Amount is dollar amount based on terms of the contract.
7. Contract number is the agency assigned number given to the contract.
8. Location of work including county and zip code where work is performed.
9. Indicate Product or Service provided by contractor (brief description).
10. Contract start date is month/day/year work on contract actually began.
11. Contractor's estimate of the percentage of work completed at the end of this reporting period.

FEDERAL OCCUPATIONAL CATEGORIES: The contractor's work force is broken down and reported by the nine Federal Occupational Categories (FOC's) consistent with the Federal government's EEO-1 categories for the private sector labor force. These are: Officials and Manager, Professionals, Technicians, Sales, Office & Clerical (Administrative Support), Craft Workers, Operative, Laborers and Service Workers. The categories are general in nature, and include all related occupational job titles. The contracting agency can provide assistance in categorizing specific jobs.

TOTAL NUMBER OF EMPLOYEES: Record the total number of all persons employed in each FOC during the reporting period, regardless of ethnicity (either working on the specific contract OR in the contractor's total work force, based on the type of report indicated above). Report the total number of male (M) employees in column (1) and the total number of female (F) employees in column (2) for each FOC. In columns (3) through (10) report the numbers of male and female minority group members employed, based on the following defined groups:

- Black (not of Hispanic origin): all persons having origins in any of the Black African racial groups;
- Hispanic: all persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American or either Indian or Hispanic origin, regardless of race;
- Asian or Pacific Islander: all persons having origins in any of the Far East countries, South East Asia, the Indian subcontinent or Pacific Islands;
- Native American or Alaskan Native: all persons having origins in any of the original peoples of North America.

TOTAL % MINORITY = sum of all minority group members (male and female) employed in the FOC divided by the total number of all employees in that FOC (column 1 + column 2).

TOTAL % FEMALE = total number of female employees in the FOC (column 2) divided by the total number of all employees in that FOC (column 1 + column 2).

TOTALS: column totals should be calculated (sum each column) for all FOC's combined. Total minority and female percentages should be calculated as shown above, based on the column totals.

SUBMISSION: The Work Force Employment Utilization Report is to be completed by both prime and subcontractors and signed and dated by an authorized representative before submission. This Company Official's name, official title and telephone number should be printed or typed where indicated on the bottom of the form.

The prime contractor shall complete a report for its own work force, collect reports completed by each subcontractor, and prepare a summary report for the entire combined contract work force. The reports shall include the total number of employees in each occupational category for all payrolls completed in the monthly reporting period. The prime contractor shall submit the summary report to the contracting agency as required by Part 542 of Title 9 Subtitle N of the NYCRR pursuant to Article 15-A of the Executive Law.
**CONTRACTOR WORK FORCE EMPLOYMENT UTILIZATION REPORT**

**SERVICE and/or CONSULTANT FIRMS**

**Form G-4**

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<th>Code: 99905</th>
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<td>City:</td>
</tr>
<tr>
<td>State:</td>
<td>Zip Code:</td>
</tr>
<tr>
<td>Reporting Period (check one):</td>
<td>Quarterly Report ☐</td>
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<td>Contractor Firm Name:</td>
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<td>City:</td>
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<td>Reporting Period (check one):</td>
<td>Quarterly Report ☐</td>
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**Type of Report:**  ☐ Contract Specific  ☐ Work Force  ☐ Total Work Force

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<th>Federal ID/Payee ID No:</th>
<th>Contract No.:</th>
<th>Location of Work (County):</th>
<th>Zip Code:</th>
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<td>Check one: ☐ Prime Contractor ☐ Subcontractor</td>
<td>Product/Service Provided:</td>
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<td>Contract Amount:</td>
<td>Contract Start Date:</td>
<td>Percent of Job Completed:</td>
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**Number of Employees**

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<th>Federal Occupational Category</th>
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<th>Asian or Pacific Islander</th>
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<td>Company Official’s Signature:</td>
<td>Telephone #:</td>
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CONTRACTOR MONTHLY WORK FORCE EMPLOYMENT
UTILIZATION REPORT - CONSTRUCTION


Check if NOT_FOR_PROFIT  City:  State:  Zip Code:  

Type of Report: ☐ Contract Specific  ☐ Work Force  ☐ Total Work Force  

Federal ID/Payee ID No:  Contract No.:  Location of Work  

(County):  Zip:  

Check one: ☐ Prime Contractor  ☐ Subcontractor  

Product/Service Provided:  

Contract Amount:  Contract Start Date:  Percent of Job Completed:  

<table>
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<th>Job or Trade Category</th>
<th>Total Hours Worked During Reporting Period</th>
<th>Total Number of Employees</th>
<th>Total Number of Minority Employees</th>
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<tbody>
<tr>
<td></td>
<td>Total Hours Worked All Employees</td>
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GRAND TOTALS

Company Official’s Name:  Title:  

Form G-5
MONTHLY WORK FORCE EMPLOYMENT UTILIZATION REPORT - CONSTRUCTION

INSTRUCTIONS FOR COMPLETION

PURPOSE: The Monthly Work Force Employment Utilization Report is prepared by all construction contractors, and subcontractors to document their actual employment of minority group members and women during the period covered by the report. The report has a format similar to forms used by the Federal government (e.g., U.S. Department of Labor) for reporting equal employment opportunity data. The report covers all hourly workers, including foremen, supervisors or crew chiefs, journey workers and apprentices or trainees working on the project. Professional and office clerical field office staff working on the contract shall also be reported. The completed reports are used by the contracting state agency to monitor the contractor's and subcontractor's compliance with the contract's equal employment opportunity requirements.

GENERAL INFORMATION:
1. Name of contracting state agency and state agency code (five digit code).
2. Reporting period covered by report (month/year).
3. Contractor or subcontractor firm name (prime contractor on summary report submitted to agency) and address (including city name, state and zip code).
4. Contractor or subcontractor Federal Employer Identification number or payee identification number (prime contractor i.d. on summary report).
5. Contract Amount is dollar amount based on terms of the contract.
6. Contract number is the agency assigned number given to the contract.
7. Location of work including county and zip code where work is performed.
8. Contract start date is month/day/year work on contract actually began.
9. Contractor's estimate of the percentage of work completed at the end of this reporting period.

JOB OR TRADE CATEGORIES: A field office staff category plus ten job categories are printed on the form. These are trades commonly used in construction. The categories are intended to be general in nature, and may include several occupational job titles. If trades other than those identified are required to perform work on the contract, this work should be combined and reported in the "Other" category. Work level designations of foreman/supervisor (F), journeyworker (J), and apprentice/trainee (A) are included as separate entries for each standard job category; hours worked must be recorded opposite the appropriate work level for each.

TOTAL HOURS WORKED DURING REPORTING PERIOD: Record the total hours worked by all employees during the reporting period, regardless of ethnicity, under each job category in column (1) for males (M) and column (2) for females (F). In columns (3) thru (10) report the total hours worked by male and female minority group members of one of the following defined groups:

- Black (not of Hispanic origin): all persons having origins in any of the Black African racial groups;
- Hispanic: all persons of Mexican, Puerto Rican, Dominican, Cuban, Central or South American or either Indian or Hispanic origin, regardless of race;
- Asian or Pacific Islander: all persons having origins in any of the Far East countries, South East Asia, the Indian subcontinent or Pacific Islands;
- Native American or Alaskan Native: all persons having origins in any of the original peoples of North America.

MINORITY % = sum of all minority group members (M and F) in job category divided by the total hours worked by all employees in that job category (column 1 + column 2).
FEMALE % = total hours worked by all female employees in the job category (column 2) divided by the total hours worked by all employees in that job category (column 1 + column 2).

TOTAL NUMBER OF EMPLOYEES: record the total number of all persons employed during the reporting period, regardless of ethnicity; report the numbers of male (M) and female (F) employees separately.

TOTAL NUMBER OF MINORITY EMPLOYEES: record the total number of minority persons employed during the reporting period; report the numbers of minority male (M) and minority female (F) employees separately.

GRAND TOTALS: column totals should be calculated for all job categories combined. Total minority and female percentages should be calculated as shown above, based on the column grand totals.

SUBMISSION: The monthly Work Force Employment Utilization Report is to be completed by both prime and subcontractors and signed and dated by an authorized representative before submission. This Company Official's name, official title and telephone number should be printed or typed where indicated on the bottom of the form.

The prime contractor shall complete a report for its own work force, collect reports completed by each subcontractor, and prepare a summary report for the entire combined contract work force. The reports shall include the total work hours for all employees in each work category for all payrolls completed in the monthly reporting period. The prime contractor shall submit the summary report to the contracting agency as required by Part 542 of Title 9 Subtitle N of the NYCRR pursuant to Article 13-A of the Executive Law.
New York State Tax Law Section 5-a became effective August 20, 2004 for all covered procurements initiated on or after January 1, 2005 and was subsequently amended effective April 26, 2006. It applies to contracts where (1) the total amount of contractor’s sales delivered into New York State are in excess of $300,000 for the four sales tax quarters immediately preceding the quarterly period in which the certification is made, and with respect to any contractors, subcontractors, or affiliates of contractors whose sales delivered into New York State exceeded $300,000 for the four sales tax quarters immediately preceding the quarterly period in which the certification is made, and (2) the contracts or agreements with state agencies or public authorities for the sale of commodities or services have a value in excess of $100,000. This law imposes upon contractors the obligation to certify, prior to the effective date of the contract, whether or not the contractor, its subcontractors, and affiliates of the contractors are required to register to collect state sales and compensating use tax. Where required to register, the contractor must also certify that it is, in fact, registered with the Department of Taxation and Finance (DTF).

Contractor certification forms and instructions for completing the forms can be found at the website noted below. Proposed contractors should complete and return the certification forms within two business days of request prior to any contract award. Failure to respond timely may render a proposed contractor non-responsive and non-responsible. Proposed contractors shall take the necessary steps to provide properly certified forms, within a timely manner to ensure compliance with the law. In addition, if the contractor fails to make the certification required by New York Tax Law Section 5-a, or if, during the term of the contract, the approving agency discovers that such certification was false when made, then such failure or false certification will be a material breach of the contract, and the contract may be subject to termination if the approving agency determines that such action is in the best interests of the State of New York.

IMPORTANT NOTICE

In the case of a contract in which the terms provide for renewal upon expiration of an initial or subsequent term, the contractor must submit a certification document to the Authority, by the day prior to the commencement date of the next succeeding term of the contract. All covered contracts awarded, amended, extended, renewed or assigned on or after April 26, 2006 require form ST-220-CA to be filed with the Authority which certifies that ST-220-TD has been filed with the DTF and is up to date.  

Contractors may call the DTF at 1-800-698-2931 for any and all questions relating to Tax Law Section 5-a and relating to a company’s registration status with the DTF. For additional information and frequently asked questions, please refer to the DTF website: http://www.nystax.gov

1 All covered procurements initiated on or after January 1, 2005 and awarded prior to April 26, 2006 shall be governed by the former rules and procedures as described in http://www.osc.state.ny.us/agencies/gbull/g222.htm
**Contractor Certification to Covered Agency**

(Pursuant to Section 5-a of the Tax Law, as amended, effective April 26, 2006)

**ST-220-CA**

(6/06)

For information, consult Publication 223, *Questions and Answers Concerning Tax Law Section 5-a* (see Need Help? on back).

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<td>Contractor's principal place of business</td>
<td>Contractor number or description</td>
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<tr>
<td>City</td>
<td>State</td>
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<td>Contractor's mailing address (if different than above)</td>
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<tr>
<td>Contractor's federal employer identification number (EIN)</td>
<td>Contractor's sales tax ID number (if different from contractor's EIN)</td>
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<tr>
<td>Contractor's telephone number</td>
<td>Covered agency name</td>
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<tr>
<td>Covered agency address</td>
<td>Covered agency telephone number</td>
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I, ____________________________, hereby affirm, under penalty of perjury, that I am ____________________________, (title) of the above-named contractor, that I am authorized to make this certification on behalf of such contractor, and I further certify that:

☐ The contractor has filed Form ST-220-TD with the Department of Taxation and Finance in connection with this contract and, to the best of contractor's knowledge, the information provided on the Form ST-220-TD, is correct and complete.

☐ The contractor has previously filed Form ST-220-TD with the Tax Department in connection with ____________________________, (insert contract number or description) and, to the best of the contractor's knowledge, the information provided on that previously filed Form ST-220-TD, is correct and complete as of the current date, and thus the contractor is not required to file a new Form ST-220-TD at this time.

Sworn to this __________ day of ________________, 20____

________________________________________________________________________

(sign before a notary public)

(...title)

---

**Instructions**

**General information**

Tax Law section 5-a was amended, effective April 26, 2006. On or after that date, in all cases where a contract is subject to Tax Law section 5-a, a contractor must file (1) Form ST-220-CA, *Contractor Certification to Covered Agency*, with a covered agency, and (2) Form ST-220-TD with the Tax Department before a contract may take effect. The circumstances when a contract is subject to section 5-a are listed in Publication 223, Q&A 3. This publication is available on our Web site, by fax, or by mail. (See Need help? for more information on how to obtain this publication.) In addition, a contractor must file a new Form ST-220-CA with a covered agency before an existing contract with such agency may be renewed.

If you have questions, please call our information center at 1 800 698-2931.

**Note:** Form ST-220-CA must be signed by a person authorized to make the certification on behalf of the contractor, and the acknowledgement on page 2 of this form must be completed before a notary public.

**When to complete this form**

As set forth in Publication 223, a contract is subject to section 5-a, and you must make the required certification(s), if:

i. The procuring entity is a covered agency within the meaning of the statute (see Publication 223, Q&A 5);

ii. The contractor is a contractor within the meaning of the statute (see Publication 223, Q&A 6); and

iii. The contract is a contract within the meaning of the statute. This is the case when it (a) has a value in excess of $100,000 and (b) is a contract for commodities or services, as such terms are defined for purposes of the statute (see Publication 223, Q&A 8 and 9).

Furthermore, the procuring entity must have begun the solicitation to purchase on or after January 1, 2005, and the resulting contract must have been awarded, amended, extended, renewed, or assigned on or after April 26, 2006 (the effective date of the section 5-a amendments).
Individual, Corporation, Partnership, or LLC Acknowledgment

STATE OF ___________________________

COUNTY OF ___________________________

On the ___ day of ___________________________ in the year 20___, before me personally appeared ____________________________, known to me to be the person who executed the foregoing instrument, who, being duly sworn by me did depose and say that he resides at ____________________________,

Town of ____________________________,

County of ____________________________,

State of ___________________________; and further that:

[Mark an X in the appropriate box and complete the accompanying statement.]

☐ (If an individual): _he executed the foregoing instrument in his/her name and on his/her own behalf.

☐ (If a corporation): _he is the ____________________________ of ____________________________, the corporation described in said instrument; that, by authority of the Board of Directors of said corporation, _he is authorized to execute the foregoing instrument on behalf of the corporation for purposes set forth therein; and that, pursuant to that authority, _he executed the foregoing instrument in the name of and on behalf of said corporation as the act and deed of said corporation.

☐ (If a partnership): _he is a ____________________________ of ____________________________, the partnership described in said instrument; that, by the terms of said partnership, _he is authorized to execute the foregoing instrument on behalf of the partnership for purposes set forth therein; and that, pursuant to that authority, _he executed the foregoing instrument in the name of and on behalf of said partnership as the act and deed of said partnership.

☐ (If a limited liability company): _he is a duly authorized member of ____________________________, LLC, the limited liability company described in said instrument; that _he is authorized to execute the foregoing instrument on behalf of the limited liability company for purposes set forth therein; and that, pursuant to that authority, _he executed the foregoing instrument in the name of and on behalf of said limited liability company as the act and deed of said limited liability company.

Notary Public

Registration No.______________________________

Privacy notification

The Commissioner of Taxation and Finance may collect and maintain personal information pursuant to the New York State Tax Law, including but not limited to, sections 5-a, 171, 171-a, 287, 308, 429, 475, 505, 697, 1096, 1142, and 1415 of that Law; and may require disclosure of social security numbers pursuant to 42 USC 405(c)(2)(C)(i).

This information will be used to determine and administer tax liabilities and, when authorized by law, for certain tax offset and exchange of tax information programs as well as for any other lawful purpose.

Information concerning quarterly wages paid to employees is provided to certain state agencies for purposes of fraud prevention, support enforcement, evaluation of the effectiveness of certain employment and training programs and other purposes authorized by law.

Failure to provide the required information may subject you to civil or criminal penalties, or both, under the Tax Law.

This information is maintained by the Director of Records Management and Data Entry, NYS Tax Department, W A Harriman Campus, Albany NY 12227; telephone 1 800 225-5829. From areas outside the United States and outside Canada, call (518) 485-6800.

Need help?

Internet access: www.nystax.gov
(for information, forms, and publications)

Fax-on-demand forms: 1 800 748-3676

Telephone assistance is available from 8:00 A.M. to 5:00 P.M. (eastern time), Monday through Friday. 1 800 698-2931

To order forms and publications: 1 800 462-8100

Hearing and speech impaired (telecommunications device for the deaf (TDD) callers only): 1 800 634-2110

Persons with disabilities: In compliance with the Americans with Disabilities Act, we will ensure that our lobbies, offices, meeting rooms, and other facilities are accessible to persons with disabilities. If you have questions about special accommodations for persons with disabilities, please call 1 800 972-1233.
APPENDIX I
NEW YORK POWER AUTHORITY (NYPA)
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION CRITICAL INFRASTRUCTURE PROTECTION (NERC CIP)
CYBER SECURITY TRAINING REQUIREMENTS

1.0 PURPOSE

To comply with NERC CIP annual Cyber Security Training Program requirements for Contractor\(^1\) personnel requiring authorized cyber or authorized unescorted physical access to NYPA Critical Cyber Assets.

2.0 APPLICABILITY

Any Contractors personnel having authorized cyber or authorized unescorted physical access to Critical Cyber Assets at any NYPA site or remote access, requires annual training in NERC CIP standards. Contractor training is an annual requirement and it is valid for one (1) year from completion subject to Section 3.0 below. Failure to comply will result in unescorted access denial.

3.0 PROCEDURES

3.1 Once a Contract is awarded, but prior to the performance of any Contract services, the Contractor MUST attend and complete NYPA’s training on NERC CIP standards.

3.2 Personnel training shall be administered by NYPA in a manner it deems appropriate which may include but will not be limited to, online training.

3.3 NERC CIP training is required annually.

3.4 NERC CIP Training may last approximately one hour.

3.5 Each Contractor MUST sign NYPA Form I-1 confirming completion of such NERC CIP training. Form I-1 can be signed electronically or manually.

3.5.1 Completion of on-line training will be recorded electronically.
3.5.2 Completion of off-line training administered by Site Security or authorized representative will require the Contractor manual signature of Form I-1.
3.5.3 Manually completed Forms I-1 shall be collected by Site Security and forwarded to the White Plains Office Designee.

3.6 The Contractor shall maintain and retain its own records of employees who have completed the NYPA NERC CIP training.

\(^1\)The party bound by the terms of the contract with NYPA.
APPENDIX I – FORM I-1
NEW YORK POWER AUTHORITY NERC CIP
CRITICAL CYBER ASSETS
ACCESS TRAINING FOR
CONTRACTOR AND INDEPENDENT CONTRACTOR(S)
ACKNOWLEDGEMENT OF TRAINING

Date of Training: ________________________________

NYPA Contract Number: ___________________________

NYPA Point of Contact (POC) Person*: _____________________

I, ________________________________ hereby acknowledge that I have
(Contractor’s Employee Name - Printed)
attended and completed the New York Power Authority’s (NYPA) annual training program for
Contractors having authorized cyber or authorized unescorted physical access to Critical Cyber
Assets in its entirety and fully understand my responsibilities and agree to adhere to protocols that
enforce these requirements.

_________________________________________   ________________________________
Contractor Employee Signature                  Title

_______________________________________________   ________________________________
Contractor’s Company Name                       Telephone

______________________________________________
Date

* Key NYPA person responsible for the contract work

Rev. 0, 9-2-09
APPENDIX J

BIDDER/CONTRACTOR COMPLIANCE WITH
STATE FINANCE LAW §§ 139-J AND 139-K
PROVIDING FOR CERTAIN PROCUREMENT
DISCLOSURES

I. Disclosure of Persons or Organizations

The New York Power Authority has updated its practices to be consistent with newly enacted New York State Finance Law §§ 139-j and 139-k providing for increased disclosure in the public procurement process through identification of persons or organizations whose function is to influence procurement contracts, public works agreements and real property transactions.

The Authority has determined that this bid document, and any resulting contract, shall be subject to the provisions of the State Finance Law.

The State Finance Law requires the Authority to obtain identifying information on every individual or entity, or any employee, agent or consultant or person acting on behalf of such individual or entity that contacts the Authority where a reasonable person would infer that the communication was intended to influence the Authority procurement during the Restricted Period. The “Restricted Period” refers to the period of time commencing with the earliest written notice, advertisement or solicitation of a request for proposal, invitation for bids, or solicitation of proposals, or any other method for soliciting a response from bidders intending to result in a procurement contract and ending with the final contract award. The Authority is also obligated to collect information on whether such person or organization has a financial interest in the procurement.

Thereafter, the State Finance Law also requires the Authority to obtain such identifying information on every person or organization subsequently retained, employed or designated by or on behalf of the contractor to attempt to influence the procurement process. A covered agency or authority shall ensure that a contractor informs such agency or authority of persons or organizations subsequently retained, employed or designated by or on behalf of the contractor before the agency or authority is contacted.

In order to comply with these requirements, the bidder/contractor shall provide the Authority, as part of its proposal, with the names, addresses and other pertinent information as shown on the attached Form “J-1”, of all employees, outside firms, or other entities retained, employed, or designated by or on behalf of the contractor to attempt to influence the procurement process including, but not limited to, negotiation of any contract arising from the bid solicitation.
II. **Bidder/Contractor Disclosure of Prior Non-Responsibility Determinations**

The State Finance Law requires the Authority to make a determination of responsibility of the proposed awardee for a procurement contract. It also mandates consideration of whether a contractor has intentionally provided false or incomplete information under such provisions within the last five years, and whether a contractor has failed to timely disclose accurate and complete information or otherwise cooperate in the implementation of such provisions.

A failure to timely disclose such information shall be considered in the Authority’s determination of responsibility of the bidder/contractor.

In order to assess this information, bidder/contractor shall complete the attached Form “J-2”.

III. **Bidder/Contractor Certification of Compliance**

The State Finance Law requires that every procurement contract subject to its provisions contain a certification that all information provided to the Authority, as required by this Appendix J, is complete, true and accurate.

A procurement contract may be terminated upon a finding that an awardee intentionally provided false or incomplete information to the Authority as required by this Appendix J.

Bidder/Contractor shall complete the attached Form “J-3”.
BIDDER/CONTRACTOR DISCLOSURE OF CONTACTS FORM

Procurement ID Number (RFP or Q No.):

Bidder/Contractor Name:

Address:  City:  State:  Zip Code:  

Person submitting this form:

Name:  

Title:  Telephone No.:  

(A) Bidder/Contractor Personnel  (Include company officers, sales or marketing personnel, engineers, lawyers, insurance specialists and other personnel)

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<th>Name</th>
<th>Location</th>
<th>Title</th>
<th>Telephone No.</th>
<th>Financial Interest in the Procurement?</th>
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BIDDER/CONTRACTOR DISCLOSURE OF CONTACTS FORM

Procurement ID Number (RFP or Q No.): 

Bidder/Contractor Name: 

Address:  

City:  

State:  

Zip Code:  

(B)  **Outside Person or Organization**

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<tr>
<th>Name and Company</th>
<th>Address</th>
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<th>Telephone No.</th>
<th>Financial Interest in the Procurement?</th>
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Rev. 6/30/06
Appendix J

Form J-2

Contractor Disclosure of Prior Non-Responsibility Determinations

Bidder/Contractor Name: ________________________________________________

Address: __________________ City: _________ State: _______ Zip Code: ________

Person submitting this form:
Name: __________________________ Telephone No.: __________________

Title: __________________________

Has any covered agency or authority made a finding of non-responsibility regarding the Contractor in the last five years?

☐ No  ☐ Yes

If yes, was the basis for the finding of the Contractor’s non-responsibility due to the intentional provision of false or incomplete information required by New York Power Authority or another state agency regarding certain procurement disclosures?

☐ No  ☐ Yes

Covered Agency or Authority: ________________________________

Year of Finding on Non-Responsibility: __________________________

Basis of Finding of Non-Responsibility:

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________
Contractor Certification of Compliance

Contractor certifies that all information provided to the Authority with respect to the Authority’s updated procedures, consistent with New York State Finance Law §§ 139-j and 139-k, providing for certain disclosures is complete, true and accurate. Contractor affirms that it understands and agrees to comply with the practices of the Authority relative to permissible contacts as required by New York State Finance Law §§ 139-j(3) and 139-j(6)(b).

Bid/Contract Number

CONTRACTOR CERTIFICATION:
I certify that all information provided to the Authority with respect to the Authority’s practices providing for certain disclosures is complete, true and accurate.

By (signature:) ___________________________ Date: ______________
Name (printed or typed:) ____________________________
Title: _______________________________________
Contractor: ___________________________________
Address: _____________________________________
City: ___________________________ State: _________ Zip Code: ___________
Appendix “N”
The New York State Iran Divestment Act of 2012
Iranian Energy Sector Divestment

This bid document and any resulting contract are subject to the provisions of New York State Public Authorities Law § 2879-c Iranian Energy Sector Divestment. This Appendix requires persons or organizations to certify that they do not “engage in investment activities” (as defined in section 2 below) in an energy sector of Iran and if they do, to take certain other actions.

1. As used in this section [§ 2879-c]:
   a) “Energy sector” of Iran means activities to develop petroleum or natural gas resources or nuclear power in Iran.
   c) “Investment” means a commitment or contribution of funds or property, a loan or other extension of credit; and the entry into or renewal of a contract for goods or services.
   d) “Iran” includes the government of Iran and any agency or instrumentality of Iran.
   e) “Person” means any of the following;
      i) A natural person, corporation, company, limited liability company, business association, partnership, society, trust, or any other nongovernmental entity, organization, or group.
      ii) Any governmental entity or instrumentality or a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act (22 U.S.C. 262r(c)(3)).
      iii) Any successor, subunit, parent entity, or subsidiary of, or any entity under common ownership or control with, any entity described in subparagraph one or two of this paragraph.

2. For purposes of this section [§ 2879-c], a person engages in investment activities in Iran if:
   a) The person provides goods or services of twenty million dollars or more in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran, or
   b) The person is a financial institution that extends twenty million dollars or more in credit to another person, for forty-five days or more, if that person will use the credit to provide goods or services in the energy sector in Iran and is identified on The List of Entities created by the Commissioner of General Services at www.ogs.ny.gov.

3. Notwithstanding any other provision of § 2879-c or any other law to the contrary, no state or local public authority or an interstate or international authority, or subsidiary thereof, shall enter into any contract for work or services performed or to be performed or goods sold or to be sold, with a person that is identified on a list created by the Commissioner of General Services pursuant to paragraph (b) of subdivision three of section one hundred sixty-five-a of the state finance law as a person engaging in investment activities in Iran as described in subdivision two of the section.
Appendix “N”
Contractor Certification of Compliance

Contractor certifies that all information provided to the Authority regarding Contractor’s investment activities in the Iranian energy sector is complete, true, and accurate. Contractor affirms that it understands and agrees to comply with the practices of the Authority relative to permissible contacts as required by New York State Public Authorities Law § 2879-c and New York State Iran Divestment Act of 2012.

Bid/Contract Number:  

CONTRACTOR CERTIFICATION:

“By signing this contract, each person and each person signing on behalf of any other party certifies, and in the case of a joint bid or partnership each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each person is not on The List of Entities created by the Commissioner of General Services pursuant to paragraph (b) of subdivision 3 of section 165-a of the New York State Finance Law.”

By (signature): ___________________________  Date: ___________________________

Name (printed or typed): ___________________________

Title: ___________________________

Contractor: ___________________________

Address: ___________________________

City: __________ State: ______ Zip Code: __________
ENCOURAGING USE OF NEW YORK STATE BUSINESSES
IN CONTRACT PERFORMANCE

New York State businesses have a substantial presence in State contracts and strongly contribute to the economies of the state and the nation. In recognition of their economic activity and leadership in doing business in New York State, bidders/proposers for this contract for commodities, services or technology are strongly encouraged and expected to consider New York State businesses in the fulfillment of the requirements of the contract. Such partnering may be as subcontractors, suppliers, protégés or other supporting roles.

Bidders/proposers need to be aware that all authorized users of this contract will be strongly encouraged, to the maximum extent practical and consistent with legal requirements, to use responsible and responsive New York State businesses in purchasing commodities that are of equal quality and functionality and in utilizing services and technology. Furthermore, bidders/proposers are reminded that they must continue to utilize small, minority and women-owned businesses, consistent with current State law.

Utilizing New York State businesses in State contracts will help create more private sector jobs, rebuild New York’s infrastructure, and maximize economic activity to the mutual benefit of the contractor and its New York State business partners. New York State businesses will promote the contractor’s optimal performance under the contract, thereby fully benefiting the public sector programs that are supported by associated procurements.

Public procurements can drive and improve the State’s economic engine through promotion of the use of New York businesses by its contractors. The State therefore expects bidders/proposers to provide maximum assistance to New York businesses in their use of the contract. The potential participation by all kinds of New York businesses will deliver great value to the State and its taxpayers.

Definitions

For the purposes of this provision, a New York State Business refers to a business enterprise, including a sole proprietorship, partnership, or corporation which offers for sale or lease or other form of exchange, goods which are sought by the Authority and which are substantially manufactured, produced, assembled or distributed in New York State or services which are sought by the Authority and which are substantially performed within New York State.
Appendix O  BIDDER/PROPOSER’S PROPOSED NEW YORK SUBCONTRACTOR/SUPPLIER FORM  Form O-1
[To be submitted with Proposal]

Will New York State Businesses be used in the performance of this contract?  

Yes  No

If yes, please identify New York State businesses that will be used if your firm is awarded this contract (if Not Applicable, enter “N/A” below):

<table>
<thead>
<tr>
<th>Name of Proposed NY Subcontractor or Supplier</th>
<th>Address (Street)</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Indicate: “Subcontractor” or “Supplier”</th>
<th>Approx. Dollar Value of Sub/Supplier Contract, where available</th>
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<tbody>
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<td>1.</td>
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Procurement ID Number (CONTRACT No.):  
Awardee Name:
<table>
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<tr>
<th>Address:</th>
<th>City:</th>
<th>State:</th>
<th>Zip Code:</th>
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<tbody>
<tr>
<td>Contact Name:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Title:</td>
<td>Telephone No.:</td>
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Please identify the New York State businesses that will be used for this contract:

<table>
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<tr>
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</table>
This is to certify that the policies of insurance listed in this Certificate have been issued to the Named Insured and are in force and effect as of the date of this Certificate.

<table>
<thead>
<tr>
<th>NYPA Contract #</th>
<th>Description of Operations:</th>
</tr>
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<table>
<thead>
<tr>
<th>Named Insured</th>
<th>Address</th>
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<tbody>
<tr>
<td>☐ Prime Contractor</td>
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<tr>
<td>☐ Sub Contractor</td>
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Certificate Holder: **New York Power Authority**

123 Main Street  
White Plains, New York  10601  
Attn:

<table>
<thead>
<tr>
<th>Type of Insurance</th>
<th>Insurance Co./Policy #</th>
<th>Effective Date</th>
<th>Expiration Date</th>
<th>Limits per occurrence (thousands)</th>
<th>Deductible per occurrence (thousands)</th>
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<tbody>
<tr>
<td><strong>General Liability</strong></td>
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<td>BI</td>
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<tr>
<td><em>Comprehensive Form</em></td>
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<td><em>Occurrence Form</em></td>
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<td><em>Claims Made Form</em></td>
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<td><em>Contractual Coverage</em></td>
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<td><em>Scheduled Autos</em></td>
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<td><em>Hired Autos</em></td>
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<td><em>Non-Owned Autos</em></td>
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<td><strong>Excess Liability</strong></td>
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<td><em>Umbrella Form</em></td>
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<tr>
<td><em>Other than Umbrella Form</em></td>
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<td><strong>Other</strong></td>
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The issuer verifies that: 1) The New York Power Authority and the State of New York have been named as additional insureds on the policies specified herein, excluding Workers’ Compensation, Employer’s Liability and Auto Liability, with respect to all operations, activities, work, services, items or performance relating to the contract indicated on this form; 2) The specified insurance policies have been endorsed to a) be primary to any and all other insurance coverage; b) contain cross liability coverage; and c) provide that the insurer has no right of recovery or subrogation against the Authority or the State of New York.

<table>
<thead>
<tr>
<th>Date Issued</th>
<th>Name of Issuer</th>
<th>Title</th>
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<tr>
<th>Company</th>
<th>Address</th>
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Signature of Authorized Representative

Rev. 4/11
Engineering Study Scope of Services

Next-Gen EMS Study

Version History

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2. SCOPE OF SERVICES ............................................................................................................................. 3
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1. **CONTEXT & OVERVIEW**

The New York Power Authority (NYPA, Authority) is a public benefit corporation engaged in the generation and transmission of electricity for the benefit of the people of New York State. The Authority’s installed generating capacity of close to 6,000MW, of which 4,400MW is hydroelectric, including pumped storage. The Authority also owns and operates 1,400 circuit-miles of transmission lines across NY State.

In 2014, NYPA set out on a ten-year Smart Generation & Transmission (G&T) strategic initiative to proactively upgrade its infrastructure, including implementing innovative hardware, software technologies and practices to capture various NYPA and state-wide benefits.

At the core of the Smart G&T strategic initiative’s entire second capability roadmap (SGR2: Enhanced Situational Awareness), NYPA is committing to co-fund and partner with a vendor to develop a full-scale next-generation EMS product that can be used in the NY and other markets. The goal of the next-generation EMS is to implement a synchronous grid control system that provides more automated, real-time control and operability to the operators of the NY grid in particular. It will help optimize power flows, production costing and reduce congestion, among other benefits detailed below. The complex development of this product is anticipated to take a couple years. However, as a leading transmission company, NYPA is well-positioned to collaborate with a strong EMS vendor to share the costs and jointly develop this cutting-edge tool for the benefit of NY state and other transmission grids.

2. **SCOPE OF SERVICES**

2.1 **Objectives**

NYPA is to partner with a major EMS vendor to develop the architecture and the requirements for next generation EMS for Control Centers. For over 50 years, since the inception of EMS there has been gradual evolutionary progress in the makeup of the EMS and SCADA systems but the foundational changes have not materialized. With the acceptance and proliferation of PMUs and the necessary communications infrastructure to transmit these high quality system measurements to control centers, and the advent of new algorithms for power grid analysis, it is very timely that the industry starts to develop superior tools and techniques for enhanced operation and control of power systems. NYPA is in a unique position to lead the industry in this endeavor.

Objectives:

1. Investigate full utilization (including the communications) of high-fidelity PMU data and switch (CBs and possibly disconnects) status info and sub-second solution for the state of the power grid
2. Prioritize and develop a path for concurrent development work on both easily attainable goals and targets requiring more extensive effort

3. Determine the limits of what can be achieved in terms of advanced grid operation and control capabilities

2.2 Success Criteria

The Smart G&T business plan identified a full suite of benefits the initiative is targeting across its proposed activities and solutions. Those benefits are critical to the success of the initiative as they drive the feasibility of the initiative. Specifically, below are the benefits tied to this study and act as the rudder for scope of services below. NYPA has a good understanding of the requirements and the architecture of the Next Gen EMS and is ready to start development on a simulated NYS Grid at the AGILe Lab or similar lab and ultimate product outcome will contribute to:

- Reduced congestion – contributes to reducing 20% of annual NYS unhedged congestion costs as calculated by CARIS
- Generation savings (wind) - $21m / yr in savings to NYS by enabling integration of 300MW of new intermittent wind
- Asset optimization - $7m / yr in savings to NYS and $1m / yr to NYPA based on reduced wear and tear
- Asset optimization - $2m / yr in savings to NYS based on safety (equipment damage) improvement
- Reduced O&M - $2.4m / yr in O&M savings to NYPA based on reduced maintenance times and productivity increase
- Reduced losses – $1.75m / yr in savings to NYS due to 1% reduction in annual T&D losses across NYS

Again, to address the above benefits, this study will make a variety of O&M technology and process-oriented recommendations to be implemented under the Smart G&T initiative. How aligned the recommendations coming out of this study are to the above benefits to NYPA will ultimately determine the study’s success.

2.3 Consultant Scope of Services

The following presents the overall functional specification for the Next Generation EMS as well as a table of major deliverables envisioned by NYPA over the short and long-term to realize these functional specifications into a marketable product. The functional specifications are listed first and then the deliverables table is presented. The deliverables table is split across three phases (planning, design and demo). These represent NYPA’s vision for the overall development effort. However, this RFP will only be for awarding of Phase 1, to be completed in the short-term, by end of 2015.

**Functional Requirements of the Next Generation EMS:**
2.3.1. Utilize more accurate time-synchronized measurements at the control center. Ultimately the vision is to have a GPS-synchronized RTU or a PMU with a considerably larger number of channels at each substation that collects voltage and current Phasor measurements as well as breaker (and possibly MOD/Disconnect switch) status information. In the interim and until there are many more synchronized measurements the use of both SCADA and PMU data can be contemplated to fill in for lack of synchronized data. Preferably, instead of concentrating a large number of measurements in one or a few GPS-synchronized IED(s) one can utilize the synchronized data streams out of DFRs, relays, and possibly SERs. These measurements are then input to a local state estimator at the substation level to validate all measurements and identity and reject bad data before any data is transmitted to the control center. The validated data is then transmitted to the Next Gen EMS at the Control center via redundant dedicated fiber optics links with well-defined latencies. The NYPA SG&T project for fiber backbone will address this need. Note that this local estimator may be able to provide an accurate breaker/disconnect status without a lot of hardwiring of the binary breaker contact information. A hybrid approach may also be taken for accurate identification of system topology.

2.3.2. At the control center a Direct Non-iterative State Estimator (DNSE) utilizes the transmitted validated data to compute the state of the entire grid at a very high rate restricted only by the largest latency of the most remote substation and the computation time of the DNSE itself. Data errors due to communications problems can be identified and corrupt data rejected at this stage assuming adequate redundancy in the measurements. It is envisioned that with HPC DNSE solution times in the order of several cycles can be achieved.

2.3.3. With the state of the entire grid known at a very fast rate, a closer to real-time computation of control actions will become possible. A number of control algorithms or methodologies may be utilized. A feed-forward model-based approach is proposed here to continually drive the power grid along a defined trajectory. It is assumed that a validated accurate dynamic (rotor angle dynamics only) model of the power system exists and can be utilized (The time synchronized measurements are of great value in improving the system dynamic model as well). Fully non-linear model of the system will be utilized including all the generation and transmission equipment limits.

2.3.4. Ultimately the goal of the controller will be to minimize the frequency deviation from 60 Hz and maintain voltages within acceptable bounds while keeping up with load fluctuations and rejecting disturbances such as line and generator trips.

2.3.5. The goal is to demonstrate a fast closed-loop control for a selected size of the NYS power grid in the NYPA AGILe Lab\(^1\) or similar lab utilizing the Opal-RT or the RTDS system. Note that the LFC+AGC (for frequency control) and MVAR/Voltage control actions are jointly considered in this approach and therefore appropriate control speeds can be respectively utilized. If a centralized closed loop control of this nature proves to be unattainable, the

\(^1\) AGILe Lab (Advanced Grid Innovation Lab for Energy) is a planned lab for world-class power systems engineering research involving collaborative industry R&D and commercialization.
bidders may propose a decentralized scheme having a similar performance to the centralized one described above.

2.3.6. AGLe Lab or similar lab will develop and house a reduced dynamic model of the NYS power grid. It is expected that Next Generation EMS which is the intent of this RFP will interface with and actually run the simulated grid. The measurements can be directly output from the simulator to this EMS (with appropriate latencies modeled) and the computed control or actuation signals are sent back from the EMS to the simulator.

As mentioned above, the major deliverables of the broader Next Generation EMS development effort is split into three phases. Deliverables 1-2 fall under Phase 1 (Planning), Deliverables 3-5 fall under Phase 2 (Design) and Deliverable 6 falls under Phase 3 (Demo). At this time, while NYPA is interested in reviewing bidder pricing for all six deliverables, it is prepared to award only Phase 1, with the ensuing phases to be awarded depending on positive outcome of Phase 1.

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<tr>
<th>#</th>
<th>Phase</th>
<th>Major Deliverable</th>
<th>Deliverable Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Planning</td>
<td>Next Gen EMS architecture(s) &amp; detailed business case</td>
<td>Architecture designs of the next-generation EMS according to specifications above and its functionality within the NYS grid. These designs should assume the completion of Deliverables 3-4 (out of scope for this RFP) and the availability of cleaned, synchronous data from GPS-based RTU/PMU to the DNSE. A detailed cost-benefit analysis business case for further development of next-generation EMS based on above architectures. This business case should help validate the benefits assumed in Section 2.2 success criteria and in time for NYPA’s mid-year 2016 budget planning cycle.</td>
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<tr>
<td>2</td>
<td>Design</td>
<td>Development of closed-loop control algorithms for demo via simulation</td>
<td>Development of complex control algorithms that could make sense of the data being crunched in DNSE and automatically respond with appropriate grid control mechanisms. Consultant will be expected to test algorithms in virtual simulation and show positive results that validate the merits of the above architecture and business case.</td>
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<tr>
<td>3</td>
<td>Design</td>
<td>New GPS-based RTU or PMU design</td>
<td>Design of the new GPS-based “RTU” or PMU with a large number of channels for Breaker/Disconnect status that would form the bottom layer of the next-gen EMS architecture and potentially be produced and deployed onto the NY grid</td>
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<td>#</td>
<td>Phase</td>
<td>Major Deliverable</td>
<td>Deliverable Description</td>
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<td>4</td>
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<td>Development of the local state estimator at the substation level</td>
<td>Design of a local state estimator application that can collect above RTU/PMU data locally to assess similar conditions at the localized substation level that a state estimator would assess on the system level</td>
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<tr>
<td>5</td>
<td></td>
<td>DNSE implementation (system-wide)</td>
<td>Use of a dynamic non-iterative state estimator that would collect all local state estimator intelligence and assess entire grid condition at sub-second rate, assuming communications backbone in place</td>
</tr>
<tr>
<td>6</td>
<td>Demo</td>
<td>Demostration of closed–loop control algorithms at full NYS grid simulator housed in AGiLe or a reduced-scale test system (either housed at NYPA or supplied by vendor)</td>
<td>Testing of all the prior deliverables and ultimate control algorithm functionality to achieve benefit targets (as outlined in Section 2.2) within a simulated NYS grid setting, such as the planned NYPA AGiLe lab or reduced-scale test system (either housed at NYPA or supplied by vendor) if AGiLe is not ready.</td>
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The Consultant shall drive and participate in meetings with all relevant stakeholders to gather inputs, develop project priorities, present, review and discuss the scope-of-work and subsequent comments. The Consultant shall assume that several meetings will be held at NYPA’s facilities across the state.

The Consultant shall also assume that regular progress meetings will be held in the White Plains office or via teleconference. These sessions will be conducted on a bi-weekly basis, or more often if needed. Meeting minutes shall be prepared by the Consultant.

The Consultant shall report to NYPA on the progress of the project and any technical or schedule problems encountered on a weekly basis.

### 2.4 Authority Scope of Services

The execution of this study will be a close, collaborative partnership between the Consultant and the Authority. There will be regular touch-points between both parties to ensure joint planning, progress review and decision-making. The Authority will supply the following items and services:

- As appropriate, NYPA will provide project liaisons (sitting across its Transmission Planning, R&D, Operations and Electrical Engineering divisions) who understand NYPA’s Smart G&T business goals and next-gen EMS requirements and whose role will be to help oversee all aspects of this study, escalate issues and risks, capture key takeaways, and guide the Consultant team’s full-time efforts.
- Subject to the vendor signing a NYPA non-disclosure agreement (NDA), the Authority will make available all existing documentation and data that are relevant to the Consultant Scope of Services and follows internal data-sharing compliance guidelines. These will include, but may not be limited to the following:
  - Relevant documentation around NYPA internal systems, data, applications and assets
  - Other resources deemed relevant by Consultant
• The Authority will make available any internal personnel needed to be interviewed by the Consultant to perform the Consultant Scope of Services
• Escorted access to the White Plains Headquarters Office

3. SUBMITTALS REQUIRED WITH BID PROPOSAL

1. Exhibit any proven methodologies and applicable experience similar to the services required in this Scope of Services.
2. Provide a detailed work plan for each task to show understanding of the scope of this project. The work plan shall include a detailed breakdown of man-hours and estimated travel expenses, in accordance with the contracted terms and conditions, required for each task. The work plan shall include any sub-consultants, contractors, or vendors necessary to perform this work.
3. Provide a proposed, detailed baseline schedule for completion of each task within the overall project timeframe.
4. Provide a list of projects with a description of applicable experiences similar to the services required in this Scope of Services, including contact information. Projects must include those worked on by the individuals proposed to do this work.
5. Provide a list of proposed personnel for this project with a description of applicable experiences similar to the services stated above, including resumes. Bidder should also provide, by title, the roles that the proposed project participants will play in this project.
6. Provide 2-3 client references with names of individuals, preferably managers of projects and telephone numbers that enable NYPA to assess past performance.

4. SCHEDULE OF DELIVERABLES

It is expected that the tasks outlined in the Scope of Services section will last approximately eight months, starting in late April 2015 with completion by December 2015. Throughout this period, the Consultant will drive the following key milestone deliverable dates, and as previously mentioned, hold weekly touch-points with the Authority to discuss progress, risks and issues.

<table>
<thead>
<tr>
<th>#</th>
<th>Phase</th>
<th>Major Deliverable</th>
<th>Due Date</th>
</tr>
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<td>06/30/15</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Development of closed-loop control algorithms for demo via simulation</td>
<td>12/31/15</td>
</tr>
<tr>
<td>3</td>
<td>Design</td>
<td>New GPS-based RTU or PMU design</td>
<td>TBD</td>
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<tr>
<td>4</td>
<td></td>
<td>Development of the local state estimator at the substation level</td>
<td>TBD</td>
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<tr>
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<td></td>
<td>DNSE implementation (system-wide)</td>
<td>TBD</td>
</tr>
<tr>
<td>6</td>
<td>Demo</td>
<td>Demonstration of closed-loop control algorithms at full NYS grid simulator housed in AGiLe or a reduced-scale test system (either housed at NYPA or supplied by vendor)</td>
<td>TBD</td>
</tr>
</tbody>
</table>

The Consultant should provide an overall quote for services for all three phases and a split between the six deliverables for NYPA’s review. However, as mentioned in Section 2.3, only Phase 1 Planning will be awarded as part of this RFP with ensuing phases to be awarded pending positive outcome of Phase 1.
The Consultant may include with their proposal, in the “Deviations and Exceptions” statement, an alternate deliverable schedule and/or milestone payment plan for NYPA’s review and consideration.