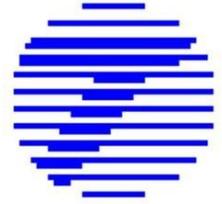




# Energy Efficient Transportation Systems Program Opportunity Notice No. 1554



**\$1,500,000 Available**

**PROPOSALS DUE: September 17<sup>th</sup>, 2009 by 5:00 pm Eastern\* Time\***

In partnership with the New York State Department of Transportation (NYSDOT), the New York State Energy Research and Development Authority (NYSERDA) Program Opportunity Notice (PON) 1554 seeks proposals with the goal of developing and/or demonstrating strategies and/or enabling commercial technologies that have the potential of incrementally improving the energy efficiency of the existing multi-modal transportation system in New York State. Total available New York State funding is \$1,500,000. All, or none, of the available funding may be allocated. This solicitation includes the following:

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Proposers must submit fifteen (15) copies of the proposal with a completed and signed Proposal Checklist attached to the front of each copy, one of which must contain an original signature. Proposals must be clearly labeled and submitted to:

**Roseanne Viscusi, PON No. 1554  
NYS Energy Research and Development Authority  
17 Columbia Circle, Albany, NY 12203-6399**

If you have technical questions concerning this solicitation contact Joe Tario at (518) 862-1090, ext. 3215 ([jdt@nyserda.org](mailto:jdt@nyserda.org)) or Richard Drake at (518) 862-1090, ext. 3258 ([rld@nyserda.org](mailto:rld@nyserda.org)). If you have contractual questions concerning this solicitation, contact Nancy Marucci at (518) 862-1090, ext. 3335 ([nsm@nyserda.org](mailto:nsm@nyserda.org))

No communication intended to influence this procurement is permitted except by contacting Joe Tario (Designated Contact) at (518) 862-1090, ext. 3215 ([jdt@nyserda.org](mailto:jdt@nyserda.org)). Contacting anyone other than this Designated Contact (either directly by the proposer or indirectly through a lobbyist or other person acting on the proposer’s behalf) in an attempt to influence the procurement: (1) may result in a proposer being deemed a non-responsible offer, and (2) may result in the proposer not being awarded a contract.

\*Late proposals and proposals lacking the appropriate completed and signed Proposal Checklist will be returned. Faxed or e-mailed proposals will not be accepted. Proposals will not be accepted at any other NYSEERDA location other than the address above. If changes are made to this solicitation, notification will be posted on NYSEERDA’s web site at [www.nyserda.org](http://www.nyserda.org)

## ***I. INTRODUCTION***

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The State's transportation sector in 2007 was responsible for 37 percent of greenhouse gas production and 71 percent of petroleum use, the single largest sector in either category. It is the policy of New York State that transportation goals for mobility, safety and the economy be viewed in conjunction with goals for energy use and environmental protection and enhancement. The transportation system has a major effect on energy use and the environment, making it important to take all reasonable measures to reduce fossil fuel consumption, increase energy efficiency and lower greenhouse gas production.

New York State is fortunate to have the most energy-efficient transportation sector in the United States. The State's extensive support for public transportation contributes to the lowest per capita transportation energy consumption in the nation. Energy consumption for transportation purposes in New York is roughly two-thirds that of the national average.

Similarly, New York State's transportation sector produces fewer tons of greenhouse gases per capita than any other state. This is due in large part to the land use patterns downstate in the New York City metropolitan area which enables an extensive and heavily used transit system. There is also an active Transportation Demand Management (TDM) effort downstate, aimed at reducing single occupancy auto trips. Upstate, New York State supports transit systems and there are numerous park and ride lots throughout the State.

Notwithstanding this impressive record, New York State is committed to substantially reducing the footprint of its transportation system on the environment and further improving its energy efficiency. The goal of this joint NYSERDA / NYSDOT 2009 solicitation is to develop and/or demonstrate strategies and/or enabling commercial technologies that have the potential of incrementally improving the energy efficiency of the existing transportation system.

Travel primarily occurs in transportation corridors. For the purposes of this solicitation, an eligible transportation corridor is a combination of multi-modal transportation facilities which support the movement of people and goods, to, from, and within New York State. As transportation corridors, they support business, personal, and tourism travel. They connect economic centers within the State, and provide access to other State, or regional and national corridors, or international transportation gateways and multimodal networks. In New York State, the most significant transportation corridors align with the interstate highways and generally include parallel arterials, transit services and rail facilities.

The intent of this solicitation is to geographically cluster funded-projects into eligible transportation corridors where they can build on each other, exploit potential synergies, and provide a "showcase" of innovative transportation technologies.

As recently noted in the news, significant development activities have begun or are in planning for Saratoga County along the I-87 corridor north of Albany. These include a 1.3 million-square-foot microchip manufacturing facility in the Luther Forest Technology Campus, a planned NYS Department of Environmental Conservation (NYSDEC) Alternate Fuel Vehicle Research Laboratory, a \$13.5M Training and Education Center for Semiconductor Manufacturing and Alternative and Renewable Technologies (TEC-SMART) being initiated by Hudson valley Community College, and numerous new tenants at NYSERDA's Saratoga Technology + Energy Park (STEP). The corridor also has a diverse mix of travel. Along with trade and commuter traffic, the Saratoga Performing Arts Center and the Saratoga horse racing facilities attract significant seasonal tourist traffic.

As a result of this mixed traffic, dramatic growth and the anticipated increase in countercurrent transportation flows, the I-87 corridor north of Albany possesses special interest during this solicitation cycle, however all eligible New York State transportation corridors will be evaluated equally by the solicitation review panel.

Traffic congestion is a serious and growing problem, particularly in major metropolitan areas. Much of the current congestion is concentrated in critical transportation corridors that link activity centers and carry high volumes of people and goods. Improving movement through these critical transportation corridors could yield significant benefits in terms of reducing energy, travel time and delays. Improvements could also increase reliability and the predictability of travel. In The 2007 Urban Mobility Report, the Texas Transportation Institute calculates that in 2005, Americans who commute during peak hours spent an average of 38 hours per year — beyond their normal commutes — in gridlock. The greatest congestion often occurs along critical transportation corridors, which link residential areas with business centers, sports arenas, and shopping areas. Travel demand on U.S. roadways is outpacing available capacity, but new road construction alone will not solve the growing problem.

Examples of qualifying strategies and enabling technologies might include Intelligent Transportation System (ITS) technologies such as ramp meters, advanced traffic control, variable speed signs, incident management strategies and parking notification, which can be operationally integrated at a corridor level. Analysis and evaluation tools may also be developed to support strategy development and selection. Proposers should consider the existing transportation system from a corridor perspective. Where appropriate, the proposed approach should be comprehensive and extend beyond the interstate highway system to consider adjacent transportation facilities and land uses. The proposal may address multi-modal needs and issues and strive to promote a long-term corridor view. Efforts should be made to preserve and enhance existing services and functions, and to identify investment priorities. Proposers should encourage partnerships between government interests, communities, and others, and strive to link state-level policies to regional and corridor level implementation activities.

Operational scenarios such as signal timing coordination in conjunction with ramp metering or strategies that coordinate freeway, arterial, and transit operations may be studied to identify what ITS technologies and strategies can be combined most effectively to improve corridor operations. e.g. Will the setting of a variable speed limit in conjunction with a ramp metering setting and signal timing plan on the adjacent arterials assist in mitigating the impact of a major corridor freeway incident? How might transit signal priority affect a signal/ramp meter pair? Where and how should coordinated managed lanes on freeways and arterials be implemented? Should HOT lanes be implemented to achieve the most efficient use of corridor capacity?

Additionally, there are a number of proven transportation demand management (TDM) strategies available to cities, property owners, employers, and others to reduce vehicle trips. The effectiveness of the various strategies will vary depending on the types of land use and travelers they are directed toward. TDM treats mobility as a means to an end, rather than an end in itself. It emphasizes the movement of people and goods, rather than motor vehicles, and so gives priority to more efficient modes (such as walking, cycling, ridesharing, public transit and telework), particularly under congested conditions. It prioritizes travel based on the value and costs of each trip, giving higher value trips and lower cost modes priority over lower value, higher cost travel, when doing so increases overall system efficiency.

Transportation energy efficiency might also include strategies and technology to lower operating costs, such as developing or demonstrating more reflective material and/or lighting which is designed to be more efficient, including lighting used during nighttime construction.

By funding this research, the sponsors seek to assist decision-makers in defining the key concepts, identifying the factors affecting transportation energy efficiency, as well as developing and/or demonstrating strategies, implementation measures and innovative technologies that seek to address the issues. It is also envisioned that the proposed research will provide insight into the linkages between land use and transportation, and related factors such as traffic congestion, air quality, energy conservation and the conversion of open space and farmland to urban uses.

## **II. PROGRAM REQUIREMENTS**

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**Solicitation Goal.** The goal of this solicitation is to develop and/or demonstrate strategies and/or enabling commercial technologies that have the potential of incrementally improving the energy efficiency of the existing multi-modal transportation system in New York State.

**Project Categories.** Three categories of projects will be considered for funding:

1. Policy Research and Feasibility Studies. Analytical research to develop and evaluate new strategies and policies for New York State that have the potential to achieve the goal of this solicitation. Also eligible are feasibility studies including, but not limited to preliminary studies such as conceptual design, technology and market assessments, that are necessary precursors to the development and commercialization of new products capable of achieving the goal of this solicitation. Projects funded in this category will be limited to a maximum of \$75,000 of New York State funds per project.
2. Demonstrations of Underutilized Strategies and Policies that have the potential to achieve the goal of this solicitation and that require only minor amounts of equipment and/or materials purchased for implementation. The New York State share of funding for any project in this category will be limited to a maximum of \$150,000.
3. Demonstrations of Underutilized Commercial Technologies that have the potential to achieve the goal of this solicitation and that have not been previously deployed in New York State to any significant extent. The New York State share of funding for any project in this category will be limited to a maximum of \$300,000.

The first category is designed to fund paper studies, which may or may not include field and/or market data collection. Studies may comprise feasibility assessments, engineering studies, and related analysis necessary to establish the energy, environmental, and additional benefits of a relevant policy, strategy, product or technology. Examples of additional benefits include financial impacts, as well as potential impacts in the areas of operations, maintenance, safety, reliability, mobility, and security.

The second and third categories are similar, but differ in the amount of materials and equipment required to be procured for the demonstration. Category 2 seeks to demonstrate Underutilized Strategies and Policies, which have been proven to be effective elsewhere - including perhaps, elsewhere in NYS. The intent is to replicate fundamental changes in system operation, which can be readily implemented without major expenditures. For this category, proposed purchases of materials and equipment are limited to 30% of the total project budget. Examples of qualifying Category 2 proposals might include: park and ride programs, incident management, work zone management, and innovative freight delivery.

The third category is designed to fund the limited demonstration of existing Underutilized Commercial\* Technologies that have been successfully deployed in other states, but that have not been previously deployed in New York State to any significant extent. Benchmarking is defined as the process of determining who is the very best, who sets the standard, and what that standard is. This category is aimed at finding new and emerging “best practices”, which have yet to be significantly deployed in New York State. As contrasted to Category 2, it is recognized that significant procurement of material and equipment may be necessary.

\*A commercial technology is defined to be a product, such as an item, material, component, subsystem, or system, applicable to transportation and sold or traded in reasonable quantities on the open market within the course of normal business operations at prices based on established catalog or market prices with industry-standard deliveries, terms, and warranties.

## **II. PROGRAM REQUIREMENTS, continued**

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Category 3 proposers will be required to establish that the transportation technology is fully commercial and that no significant product development is required. Transportation technologies requiring additional product development should be proposed to NYSERDA's *Advanced Transportation Technologies* solicitation, which is generally issued each year and specifically targets transportation product development. (For example: PON 1520, which is available in calendar year 2009).

**Project Scope.** Projects selected for funding must:

- Provide readily-quantifiable transportation energy reductions in New York State.
- Emphasize the ultimate deployment of technical solutions rather than conducting basic research.
- Document additional mobility and reliability, environmental, economic, safety and security benefits in New York State.
- Be consistent with metropolitan transportation plans in New York State and with transportation-related regulations at the federal or state level.
- Provide some level of cost-sharing by the proposer or third parties in the form of cash or in-kind labor, materials, equipment, facilities, and other resources, subject to reasonable and verifiable valuation. Co-funding may be from the proposer or other private or government sources. New York State funds cannot be used to reimburse or replace normal expenses of other government organizations.

**Other Considerations.** In addition, note that:

A proposal may be considered non-responsive if it fails to comply with the requirements above, the Proposal Requirements of Section III, or the General Conditions of Section V.

Projects are expected to begin within six months of the proposal due date. Generally the project schedule should not exceed 24 months, except to indicate the approximate duration of future phases (beyond the proposed phase) of a multi phase project.

Multi phase projects are acceptable as long as the proposal only requests funding for one clearly-defined phase and adheres to the funding limit for the appropriate project category as described under "Project Categories" above. The proposer must accept that any contract awarded to fund one phase of a multi phase project does not in any way obligate New York State to fund later phases.

Teaming arrangements are strongly encouraged, where appropriate, to enhance the likelihood of project success. Proposal teams may include commercial firms, industry associations or research organizations, universities, government agencies, end-users, and other stakeholders. Letters of interest or commitment from each identified team member should be included in an appendix to the proposal. The lack of such letters, especially in cases where co-funding is indicated, is viewed as a very serious proposal deficiency and will be judged accordingly in the technical evaluation process.

Prior to an award being made, potential contractors may be required to demonstrate access to financial resources sufficient to perform the proposed work, technical experience and adequate facilities (or the ability to access them), a good performance record, and the ability to qualify for an award under applicable laws and regulations.

### **III. PROPOSAL REQUIREMENTS**

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Total proposal length should ideally be 20 pages or less, plus letters of interest or commitment in an appendix. Suggested page limits for each section are provided below in parentheses. If you believe proprietary information must be submitted to present an adequate proposal, please contact an individual listed at the beginning of this PON and comply with the Section V instructions for submitting proprietary material. Rigid bindings and other elaborate presentation material should not be used – a single staple in the upper left corner is preferred. Your goal as a proposer should be to concisely present the information needed to fully address the evaluation criteria (see Section IV). Proposals that grossly exceed the page limits or fail to follow the format guidelines may be rejected as non-responsive.

Proposers must submit fifteen (15) copies of the completed proposal to the attention of Roseanne Viscusi at the address on the front of this Program Opportunity Notice. A completed and signed Proposal Checklist (Attachment A) must be attached as the front cover of your proposal, one of which must contain an original signature. **Late proposals and proposals lacking the appropriate completed and signed Proposal Checklist will be returned. Faxed or e-mailed copies will be not be accepted.**

Unnecessary attachments beyond those sufficient to present a complete, comprehensive, and effective response may negatively influence the evaluation of the proposal. Each page of the proposal should state the name of the proposer, the PON number, and the page number. The proposal must be in the following format and should present the items in the sequence indicated below.

**Proposal Sections.** Sections of your proposal should be as follows and assembled in the order indicated:

**1. Proposal Checklist.** Complete the specific Proposal Checklist attached as part of this PON, and include it as the front cover of the original and each copy of the proposal. Note the following:

- Indicate whether you accept the standard terms and conditions as contained in the attached Sample Agreement. If you do not accept the standard terms and conditions, provide alternate terms with justification based on the risk and benefit to New York State.
- Do not leave any blanks. If a specific question is not applicable, indicate n/a.
- Be sure the individual signing the Proposal Checklist is authorized to commit the proposer's organization to the proposal as submitted.

**2. Procurement Lobbying Requirements - State Finance Law sections 139-j and 139-k.** Procurement lobbying requirements contained in State Finance Law sections 139-j and 139-k became effective on January 1, 2006. The texts of the laws are available at:

<http://www.ogs.state.ny.us/aboutogs/regulations/advisoryCouncil/StatutoryReferences.html>

In compliance with §139-j and §139-k of the State Finance Law, for proposals submitted in response to this solicitation that could result in agreements with an annual estimated value in excess of \$15,000, additional forms must be completed and filed with proposals: (1) a signed copy of the Proposal Checklist including required certifications under the State Finance Law and (2) a completed Disclosure of Prior Findings of Non-Responsibility form. Failure to include a signed copy of the Proposal Checklist referenced in this solicitation will disqualify your proposal.

**3. Executive Summary (one to two pages).** Indicate the category (1,2 or 3) to which your proposal is being submitted. Summarize the project, including the transportation-related issue or opportunity being addressed, and its significance to New York State. Clearly outline your proposed approach and how it will improve transportation energy efficiency. Provide a list of the project team members and their qualifications to do the work. Quantify other potential mobility and reliability, environmental, economic, safety and security benefits to the extent possible.

### **III. PROPOSAL REQUIREMENTS, continued**

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**4. Background and Proposed Approach (three to four pages).** Provide a narrative of the transportation sector being impacted, how it currently operates and what opportunities exist for improvement. Explain fully how the efficiency of the existing NYS transportation system will be enhanced and specifically how energy will be reduced. If applicable, discuss your solution's relevance to any metropolitan transportation plan or transportation-related regulation.

**5. Proposed Statement of Work and Schedule (three to four pages).** The Statement of Work (SOW) is the primary contractual document that outlines work activities and quantifies deliverables. It specifically delineates each step or procedure required to accomplish the project objectives. Therefore, each action shall be identified, indicating who will perform it, how it will be performed and its intended result. Be clear and specific: concentrate on "how" and not "why." Use "active voice" sentence structure to make clear who is responsible for specific actions; for example, use the following phrase to start the description of every task and subtask: "The Contractor shall ...."

Include a list and two or three-sentence description of each of the major tasks to be accomplished. Typical task titles may include, but are not limited to, the following: project management, requirements definition, evaluation of current practices, cost assessment, test plan development, design, installation, metrics (benefits) quantification, etc. For example:

Task 1.0 Project Management.

Subtask 1.1 Subcontracts. The Contractor shall enter into the following agreements.

Subtask 1.2 Meetings. The Contractor shall hold a Kick-Off Meeting, Interim Review Meetings (as warranted), and a Wrap-Up Meeting at the end of the project.

Subtask 1.3 Reporting. NYSERDA and NYSDOT will expect to receive written monthly progress reports, as part of the project management task. These activities should be considered when developing your cost proposal. Such reports shall describe any difficulties encountered during the reporting period, and shall include a statement of the Project Director setting forth the cost of the work during the reporting period. The progress reports should be submitted to NYSERDA's Project Manager no later than the 15th of each month. Progress reports shall be in a letter format and shall include the following subjects in the order indicated, with appropriate explanation and discussion.

- a. Title of project
- b. Agreement number
- c. Period of this report
- d. Progress of report
- e. Planned progress in the future
- f. Identification of problems
- g. Planned solutions
- h. Ability to meet schedule, reasons for slippage in schedule
- i. Schedule - percentage completed and projected percentage of completion of performance by months as a bar chart or milestone chart
- j. Analysis of actual cost incurred in relation to the budget

Subtask 1.4. Final Report. The Final Report should detail all of the work performed and task deliverables, but exclude proprietary information. The comprehensive Final Report shall cover all aspects of the project and shall merge together, and build further on, the previously generated monthly progress reports.

### **III. PROPOSAL REQUIREMENTS, continued**

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Task 2.0, 3.0, 4.0, etc. Project-specific Work Scope Tasks. Add as many tasks and subtasks as necessary to cover all actions needed to achieve the goals and objectives of the project. These will be action steps. Each task should include a concise narrative description of the work that will be performed and how the work will be performed.

Schedule. Present a work schedule with a starting point and duration for each task and subtask. Presentation of the schedule in a bar chart is preferred starting with "Month 1," "Month 2," etc.

**6. Proposer Qualifications (two to four pages, depending on team size).** Provide an overview of the relevant qualifications of the proposer, other team members and major subcontractors. Note that subcontracts of \$25,000 or more are subject to competitive bid procedures except where the proposal identifies a specific subcontractor as an integral participant in the proposed work (see Att. D: Sample Agreement). Resumes, facility qualifications, and data sheets do not belong in the body of the proposal, but should be included in the appendix. Key individuals identified in the proposal need to be available to commit to the project in the time frame proposed and subsequent personnel substitutions will require New York State approval. Additionally, discuss any NYSDOT and/or NYSERDA contracts awarded to the proposer, if any, in the past five years. Identify New York State project managers associated with those contracts, who have knowledge of your performance.

For Category 3 funding, proposers must include a proposal section documenting the commercial availability and NYS underutilization of their technology. This should include previous sales and deployments, and include client references and contact information. As previously discussed, this solicitation seeks to demonstrate Underutilized Commercial Technologies. Pre-commercial prototypes, requiring additional product development, should be proposed to NYSERDA's *Advanced Transportation Technologies* solicitation, PON 1520 which is due on September 16<sup>th</sup>, 2009 and specifically targets transportation product development.

**7. Project Benefits (two to three pages).** Discuss how the proposed project will improve transportation energy efficiency in New York State and provide mathematical estimates of the potential improvement. Quantify any additional project benefits to the extent possible: Mobility and Reliability benefits (e.g., congestion reduction, number of people or goods shifting to more efficient transportation modes, amount of travel variability reduced, etc.), Environmental benefits (e.g., emission reductions, elimination of hazardous materials, etc.), Economic benefits (e.g., manufacturing jobs or technical services jobs created or retained, reduced transportation system life-cycle costs, enhanced viability of NYS business entities, etc.), Safety and Security benefits (e.g., reduction in deaths, injuries and real property losses, etc.), and other benefits (e.g., lowering the cost of compliance with New York State or federal regulations, enhanced quality of life issues, etc.)

**8. Budget.** A Contract Pricing Proposal Form (CPPF), with associated instructions, is provided as Attachment C to this PON. The net cost to New York State is one of the evaluation criteria and will be closely considered. The value of New York State funds could be reduced through greater efficiencies or through cost sharing where other funds substitute for New York State funds. Each proposal must include a completed CPPF and also a cost-sharing table identifying the allocation of funding by task.

**Cost Sharing.** Some level of cost sharing is required and the amount of cost sharing will also be an important consideration in the proposal evaluation process. Cost sharing can be from the proposer, other team members, and other government or private sources. New York State funds cannot be used to reimburse or replace normal expenses of other government organizations. Contributions of direct labor (for which the laborer is paid as an employee) and purchased materials may be considered "cash" contributions. Unpaid labor, indirect labor, or other general overhead may be considered "in-kind" contributions. For example, labor may be provided at discount rates, while products for commercial demonstration may be provided at a significant discount or at cost.

**III. PROPOSAL REQUIREMENTS, continued**

It is the responsibility of the proposer to adequately document the level of cost share being provided. The proposer or proposing team cannot claim as cost-share any expenses that have already been incurred. Show the cost sharing plan in the following format within your proposal (expand table as needed).

PROPOSAL COST SHARING TABLE						
Proposed Funding By Task (Cash and In-Kind)					Project Total (\$)	
Funding Source	Task 1 (\$)	Task 2 (\$)	Task 3 (\$)	...	Cash (\$)	In-Kind (\$)
New York State						
Proposer						
Co-Funder (identify)						
Co-Funder (identify)						
<b>Task Total (\$)</b>						

**Indirect Costs.** Attach supporting documentation to support indirect cost (overhead) rate(s) included in your proposal as follows:

- Describe the basis for the rates proposed (e.g., based on prior period actual results; based on projections; based on federal government or other independently-approved rates).
- If rate(s) is approved by an independent organization, such as the federal government, provide a copy of such approval.
- If rate(s) is based on estimated costs or prior period actual results, include calculations to support the rate(s). Calculation should provide enough information for NYSERDA to evaluate and confirm that the rate(s) are consistent with generally accepted accounting principles for indirect costs.

NYSERDA reserves the right to audit any indirect rate presented in the proposal and to make adjustment for such difference. Requests for financial statements or other needed financial information may be made if deemed necessary.

**9. Appendices.** Include any resumes, company qualifications, or ancillary information which is deemed necessary to support your proposal. If appropriate, also include:

**Letters of Interest or Commitment.** If you are relying on any other organization to provide services, equipment or cost share, include a letter from that organization describing their planned participation. Where appropriate, proposed field demonstrations should include letters of commitment from the host site or vehicle fleet owner. However, due to their active sponsorship of this solicitation, Letters of Interest or Commitment should not be solicited from NYSDOT or NYSERDA personnel.

Also include letters of interest or commitment from team members, businesses or other organizations critical to the success of the project. Absence of letters of interest or commitment will be interpreted as the proposer not having support from the identified parties.

**Exceptions to the Terms and Conditions.** If you do not accept the standard terms and conditions, as contained in Attachment D: Sample Agreement, provide alternate terms with a justification based on the risk and benefit to New York State.

#### **IV. PROPOSAL EVALUATION**

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**Requirements.** A negative response to any one of the questions identified below may eliminate the proposal from further consideration. Does the proposal:

- Address relevant transportation needs in New York State?
- Have the potential to improve transportation energy efficiency in New York State?
- Provide cost sharing by the proposer or third parties?
- Provide Letters of Commitment from all co-funders and key team members?
- Emphasize deployment of deployable solutions rather than conducting basic research?
- Provide additional mobility and reliability, environmental, economic, safety and security benefits in New York State?
- Show consistency with metropolitan transportation plans and/or State or federal transportation-related regulations?

Proposals will be reviewed by a Technical Evaluation Panel (TEP) and will be scored and ranked according to the following criteria. All three categories will be evaluated together. After the proposals are reviewed, NYSERDA will issue a letter to each proposer indicating the proposal evaluation results. Proposers receiving favorable evaluations will be invited to enter into contract negotiations with NYSERDA. The proposer will be required to submit a detailed statement of work, budget, and schedule, and may also be asked to address specific questions or recommendations of the TEP before contract award.

#### **Evaluation Criteria.**

**Proposed Solution/Scope.** How significant is the issue or opportunity? How pertinent is the issue or opportunity to New York State? Is the proposed project likely to improve transportation efficiency in New York State? Is the project focused on an eligible transportation corridor? Is the proposed work technically feasible, innovative, and superior to potential alternatives? Is the work strategy sound? If applicable, is the implementation plan well-conceived and appropriate for New York?

**Project Benefits.** How significant is the statewide potential for energy reduction in New York State? Are the expected benefits likely to be realized, given other constraints or barriers? Are there additional significant benefits? Upon implementation, will there be economic benefits in New York State in the form of subsequent manufacturing or technical service activity?

**Proposer(s).** To what degree does the team have relevant and necessary technical and business background and experience? Does the team include New York State businesses, thereby providing economic benefits in the form of jobs? Does the proposal contain Letters of Commitment from all essential participants, co-funders, and related businesses and other organizations?

**Project Outcome and Cost.** Is the overall project cost justified based on the expected benefits? Relative to the project cost, how significant are the potential benefits? How appropriate are the proposer's cost share contributions (sources and amounts) with respect to the degree of risk, potential to benefit from the work, and financial status of the proposing organization and project team?

**Other Considerations** – Proposals will be reviewed to determine if they reflect New York State's overall objectives, including: risk/reward relationships, similar ongoing or completed projects, the general distribution of transportation research projects among industries and other organizations, and the distribution of projects within New York State.

## **V. GENERAL CONDITIONS**

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**Proprietary Information** - Careful consideration should be given before confidential information is submitted to NYSERDA as part of your proposal. Review should include whether it is critical for evaluating a proposal, and whether general, non-confidential information, may be adequate for review purposes. The NYS Freedom of Information Law, Public Officers law, Article 6, provides for public access to information NYSERDA possesses. Public Officers Law, Section 87(2)(d) provides for exceptions to disclosure for records or portions thereof that "are trade secrets or are submitted to an agency by a commercial enterprise or derived from information obtained from a commercial enterprise and which if disclosed would cause substantial injury to the competitive position of the subject enterprise." Information submitted to NYSERDA that the proposer wishes to have treated as proprietary and confidential trade secret information, should be identified and labeled "Confidential" or "Proprietary" on each page at the time of disclosure. This information should include a written request to exempt it from disclosure, including a written statement of the reasons why the information should be exempted. See Public Officers Law, Section 89(5) and the procedures set forth in 21 NYCRR Part 501 [www.nyserda.org/nyserda.regulations.pdf](http://www.nyserda.org/nyserda.regulations.pdf). However, NYSERDA cannot guarantee the confidentiality of any information submitted.

**Omnibus Procurement Act of 1992** - It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority- and women-owned business enterprises, as bidders, subcontractors, and suppliers on its procurement Agreements.

Information on the availability of New York subcontractors and suppliers is available from:

Empire State Development  
Division for Small Business  
30 South Pearl Street, Albany, NY 12245

A directory of certified minority- and women-owned business enterprises is available from:

Empire State Development  
Minority and Women's Business Development Division  
30 South Pearl Street, Albany, NY 12245

**State Finance Law sections 139-j and 139-k.** NYSERDA is required to comply with State Finance Law sections 139-j and 139-k. These provisions contain new procurement lobbying requirements which can be found at <http://www.ogs.state.ny.us/aboutogs/regulations/advisoryCouncil/StatutoryReferences.html>. The attached Proposal Checklist calls for a signature certifying that the proposer will comply with State Finance Law sections 139-j and 139-k and the Disclosure of Prior Findings of Non-responsibility form includes a disclosure statement regarding whether the proposer has been found non-responsible under section 139-j of the State Finance Law within the previous four years.

**Tax Law Section 5-a** – NYSERDA is required to comply with the provisions of Tax Law Section 5-a, which requires a prospective contractor, prior to entering an agreement with NYSERDA having a value in excess of \$100,000, to certify to the Department of Taxation and Finance (the "Department") whether the contractor, its affiliates, its subcontractors and the affiliates of its subcontractors have registered with the Department to collect New York State and local sales and compensating use taxes. The Department has created a form to allow a prospective contractor to readily make such certification. See, ST-220-TD (available at <http://www.banking.state.ny.us/pr080213a.pdf>). Prior to contracting with NYSERDA, the prospective contractor must also certify to NYSERDA whether it has filed such certification with the Department. The Department has created a second form that must be completed by a perspective contractor prior to contacting and filed with NYSERDA. See, ST-220-CA (available at <http://www.banking.state.ny.us/pr080213b.pdf>).

See guidance available at [http://www.tax.state.ny.us/pdf/publications/sales/pub223\\_507.pdf](http://www.tax.state.ny.us/pdf/publications/sales/pub223_507.pdf).

## ***V. GENERAL CONDITIONS, continued***

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**Contract Award** - NYSERDA anticipates making multiple awards under this solicitation. It may award a contract based on initial applications without discussion, or following limited discussion or negotiations. Each offer should be submitted using the most favorable cost and technical terms. NYSERDA may request additional data or material to support applications. NYSERDA will use the Sample Agreement to contract successful proposals. NYSERDA expects to notify proposers in approximately ten (10) weeks from the proposal due date whether your proposal has been selected to receive an award.

**Limitation** - This solicitation does not commit NYSERDA to award a contract, pay any costs incurred in preparing a proposal, or to procure or contract for services or supplies. NYSERDA reserves the right to accept or reject any or all proposals received, to negotiate with all qualified sources, or to cancel in part or in its entirety the solicitation when it is in NYSERDA's best interest.

**Disclosure Requirement** - The proposer shall disclose any indictment for any alleged felony, or any conviction for a felony within the past five years, under the laws of the United States or any state or territory of the United States, and shall describe circumstances for each. When a proposer is an association, partnership, corporation, or other organization, this disclosure requirement includes the organization and its officers, partners, and directors or members of any similarly governing body. If an indictment or conviction should come to the attention of NYSERDA after the award of a contract, NYSERDA may exercise its stop-work right pending further investigation, or terminate the agreement; the contractor may be subject to penalties for violation of any law which may apply in the particular circumstances. Proposers must also disclose if they have ever been debarred or suspended by any agency of the U.S. Government or the New York State Department of Labor.

## ***VI. ATTACHMENTS***

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Attachment A - Proposal Checklist

Attachment B - Disclosure of Prior Findings of Non-Responsibility Form

Attachment C - Contract Pricing Proposal Form and Instructions

Attachment D - Sample Agreement



**ATTACHMENT A - PON NO 1554 PROPOSAL CHECKLIST (MANDATORY)**

Proposal Title (What product/concept will be focus of proposed work?)		Due Date: September 17, 2009															
<b>Primary Contact</b> (Prime Contractor)		Title															
Company		Phone	Fax														
Address	City	State/Province & Zip	e-Mail														
<b>Secondary Contact</b>		Title															
Company		Phone	Fax														
Address	City	State/Province & Zip	e-Mail														
<p><b>THE PRIME CONTRACTOR MUST SIGN THIS FORM BELOW and ANSWER THE FOLLOWING QUESTIONS:</b></p> <p>Do you accept all Terms &amp; Conditions in the Sample Agreement? (if no, explain on separate page) <span style="float:right">___ Yes ___ No</span></p> <p>Have you been indicted/convicted for a felony within the past 5 years? (if yes, explain on separate page) <span style="float:right">___ Yes ___ No</span></p> <p>Are you a Minority or Women-Owned Business Enterprise? <span style="float:right">___ Yes ___ No</span></p> <p>Does your proposal contain Minority or Women-Owned Business enterprises as subcontractors? <span style="float:right">___ Yes ___ No</span></p> <p>Are you submitting the required number of copies? (See proposal instructions.) <span style="float:right">___ Yes ___ No</span></p> <p>Is other public funding pending/awarded on this and/or very similar topic (prior and/or competing proposals)? (if yes, explain on separate page) <span style="float:right">___ Yes ___ No</span></p>																	
<p><b>ON WHAT PAGE IN YOUR PROPOSAL CAN THESE ITEMS BE FOUND?</b></p> <table border="0" style="width:100%"> <tr> <td style="width:50%">1. Disclosure of Prior Findings (mandatory) _____</td> <td style="width:50%">8. Completed and Signed Contract Pricing Form(s) _____</td> </tr> <tr> <td>2. Executive Summary _____</td> <td>9. Cost-Sharing Chart _____</td> </tr> <tr> <td>3. Background and Proposed Approach _____</td> <td>10. Commitment Letters from Participating Organizations _____</td> </tr> <tr> <td>4. Proposed Statement of Work and Schedule _____</td> <td>11. Indictment/Conviction of Felony (if applicable) _____</td> </tr> <tr> <td>5. Proposer Qualifications _____</td> <td>12. NYSDOT/NYSERDA Contracts Awarded (if applicable) _____</td> </tr> <tr> <td>6. Project Benefits _____</td> <td>13. Prior and/or Competing Proposals (if applicable) _____</td> </tr> <tr> <td>7. Evidence of Prior Commercialization (if applicable) _____</td> <td>14. Exceptions to Terms &amp; Conditions (if applicable) _____</td> </tr> </table>				1. Disclosure of Prior Findings (mandatory) _____	8. Completed and Signed Contract Pricing Form(s) _____	2. Executive Summary _____	9. Cost-Sharing Chart _____	3. Background and Proposed Approach _____	10. Commitment Letters from Participating Organizations _____	4. Proposed Statement of Work and Schedule _____	11. Indictment/Conviction of Felony (if applicable) _____	5. Proposer Qualifications _____	12. NYSDOT/NYSERDA Contracts Awarded (if applicable) _____	6. Project Benefits _____	13. Prior and/or Competing Proposals (if applicable) _____	7. Evidence of Prior Commercialization (if applicable) _____	14. Exceptions to Terms & Conditions (if applicable) _____
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6. Project Benefits _____	13. Prior and/or Competing Proposals (if applicable) _____																
7. Evidence of Prior Commercialization (if applicable) _____	14. Exceptions to Terms & Conditions (if applicable) _____																
<p><b>AUTHORIZED SIGNATURE &amp; CERTIFICATION:</b></p> <p>I certify that the above information, and all information submitted in connection with State Finance Law §139-j and §139-k, is complete, true, and accurate, and that the proposal requirements noted have been completed and are enclosed. I affirm that I understand and will comply with NYSERDA's procedures under §139-j(3) and §139-j(6)(b) of the State Finance Law. I understand that this proposal may be disqualified if the solicitation requirements are not met. I the undersigned am authorized to commit my organization to this proposal.</p>																	
Signature		Name (Type or Print)															
Title		Organization															
Phone		Date															

**NOTE:** This completed form **MUST** be signed and attached to the front of all copies of your proposal.



Attachment B - PON 1554
Disclosure of Prior Findings of Non-responsibility Form
(Mandatory)

Name of Individual or Entity seeking to enter the procurement contract:
Address:
Date:
Solicitation or Agreement Number:
Name and Title of Person Submitting this Form:
Has any Governmental Entity made a finding of non-responsibility regarding the Individual or Entity seeking to enter the Procurement Contract in the last four years? (Please indicate with an "X")
Was the basis for the finding of non-responsibility due to due to a violation of §139-j of the State Finance Law? (Please indicate with an "X")
Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity? (Please indicate with an "X")
If you answered yes to any of the above questions, please provide details regarding the finding of non-responsibility below.
Government Agency or Authority:
Date of Finding of Non-responsibility:

Basis of Finding of Non-responsibility: (Add additional pages as necessary)

Has any Government al Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named Individual or Entity due to the intentional provision of false or incomplete information ? (Please indicate with an "X") (Please indicate with an "X")		Yes
		No

If you answered yes, please provide details below.

Government Agency or Authority:

Date of Termination or Withholding of Contract:

Basis of Termination or Withholding: (Add additional pages as necessary)

Offerer certifies that all information provided to NYSERDA with respect to State Finance Law §139-k is complete, true, and accurate.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Signature

Name: \_\_\_\_\_ Title: \_\_\_\_\_

## Attachment C: PON 1554 Contract Pricing Proposal Form

New York State Energy Research and Development Authority			Solicitation No. PON 1554		Page
Contractor:			Name of Proposed Project:		
Address:					
Location (where work is to be performed):			NYSERDA funding:		
			Total Project Cost:		
Cost Element			Total Project Cost	Funding & Co-funding via NYSERDA	Cost-sharing & Other Co-funding
1. Direct Materials					
a. Purchased Parts					
b. Other					
Total Direct Materials					
2. Materials Overhead			Rate:		
3. Direct Labor (specify names/titles)		Hours	Rate/hr		
Total Direct Labor					
4. Labor Overhead		Rate %	\$ Base		
Total Labor Overhead					
5. Outside Special Testing					
6. Equipment					
7. Travel					
8. Other Direct Costs					
9. Subcontractors/Consultants					
Total Subcontractors/Consultants					
10. General & Administrative Expense		Rate %	Element(s)		
11. Fee or Profit (0 for cost-sharing agreements)			Rate:		
12. Total Estimated Project Cost					
This proposal reflects our best estimates as of this date, in accordance with the instructions to proposers.					
Typed Name and Title:			Signature:		Date:
Has any executive agency of the U.S. government performed any review of your records in connection with any prime contract or subcontract within the past twelve months?      ___ Yes      ___ No If yes, identify:					



## **INSTRUCTIONS FOR PREPARATION OF COST ESTIMATE**

Your cost proposal may be the basis of contract negotiation; it should be specific and complete in every detail. Supporting schedules (as described in Section B) providing the basis for your estimates must be provided.

### **A. GENERAL**

The schedule must be submitted on NYSERDA's Contract Pricing Proposal Form.

### **B. INSTRUCTIONS AND DESCRIPTION OF REQUIRED SUPPORT DETAIL**

(Title each supporting schedule and cross-reference it to the item number on the Contract Pricing Proposal Form)

#### **1a. DIRECT MATERIALS - PURCHASED PARTS**

Provide the following information for each proposed item with an estimated unit cost in excess of \$15,000.

- o Description of item
- o Proposed vendor
- o Quantity needed
- o Unit cost
- o Basis for cost (i.e., catalog, prior purchase, quote, etc.)
- o Total cost
- o Evidence of a competitive selection process in accordance with the requirements of the Subcontract Procedures section of the attached Sample Agreement.

#### **1b. OTHER DIRECT MATERIALS**

In accordance with the requirements of the Subcontract Procedures section of the attached Sample Agreement, for all items in excess of \$5,000, provide whatever information would be necessary to understand what is being obtained, how it is being obtained, what it will cost and how the estimated cost was determined with justification for all items.

#### **2. MATERIALS OVERHEAD (also applicable to other Indirect Rate categories: 4. LABOR OVERHEAD and 10. G&A EXPENSE)**

- o If Government-approved indirect rates are proposed, then supply a copy of an appropriate Government document verifying those rates.
- o If Government-approved rates are not proposed, supply the following, unless previously provided, for the years comprising the proposed period of contract performance.
  - o A description (chart or other) of the organization of the indirect cost center.
  - o The budget of indirect costs, by account, for each proposed indirect expense rate.
  - o The budget for the base, for each proposed rate, (direct labor dollars, hours, costs, etc.) itemized as to contract hours or costs, research and development hours of costs, and any other direct base effort.
  - o Actual incurred rates for the prior three years, including actual base and pool amounts.

#### **3. DIRECT LABOR**

##### **a. Commercial Enterprises**

- (1) Attach supporting schedules showing:
  - o Each category or type of labor being estimated
  - o Applicable labor rates per hour (straight-time)
- (2) Explain the method used for computing the rates (i.e., actual of an individual, actual average of a category or other grouping, etc.) Also identify any proposed labor escalation and the bases for it.

##### **b. Educational Institutions**

Provide the following for each calendar year of the contract:

- (1) For individuals not on an "actual hours worked" basis:
  - o individual's name
  - o annual salary and the period for which the salary is applicable (preferably in weeks)
  - o the proportionate time to be charged to this effort.

- (2) For individuals who maintain time records as the basis for charging costs, supply the detail as requested in Instructions 3(a)(1)

4. LABOR OVERHEAD (Same as Instructions for 2. MATERIALS OVERHEAD)

5. OUTSIDE SPECIAL TESTING

- a. Describe the effort.
- b. Provide the units of time (hours, days, weeks), cost rates, and the vendor.
- c. In accordance with the requirements of the Subcontract Procedures section of the attached Sample Agreement, provide the basis for selection of the vendor. Identify M/WBE vendors contacted for quotes and if none, explain why. Explain and justify the basis for any non-competitive selection.

6. EQUIPMENT

Capability to perform the work with existing facilities and equipment is assumed. It is NYSERDA's policy not to compensate for general purpose facilities or equipment. If some special purpose items are needed solely for this contract and are not available by other means (contractor assets, lease, etc.), then provide the following information for each item of required equipment.

- o vendor
- o model number
- o quantity
- o competitive selection process
- o unit cost and source of cost/price (i.e., quote, catalog, purchase history)
- o description of the use or application (NYSERDA dedicated, contract dedicated, other)

7. TRAVEL

- a. NYSERDA will accept as a direct charge only that travel required to perform the statement of work.
- b. Attach a schedule indicating the need for the proposed travel, the estimated number of person-trips required, destinations, mode and cost of transportation, and number of days subsistence per trip for each destination.
- c. Identify and support any other special transportation costs required in the performance of this project.

8. OTHER DIRECT COSTS

- a. Identify the type of cost (i.e. postage, telephone, publications, graphics, etc.)
- b. Provide cost details for the amounts estimated (hours or units, rates, etc.)
- c. If any internal service center rates are applied, provide details similar to that required in Instruction #B.
- d. For computer costs identify the make, model and type of computer, hours of service and appropriate rates, and whether the machine is company owned or leased.

9. SUBCONTRACTORS/CONSULTANTS

- a. Explain the specific technical area in which such service is to be used and identify the contemplated consultants.
- b. State the number of days and the hours per day of such service estimated to be required and the consultant's quoted rate per day. Document when/where the consultant has received the proposed rate in performing similar services for others.

10. GENERAL & ADMINISTRATIVE (G&A) EXPENSE (Same as instructions for 2. MATERIALS OVERHEAD)

11. FEE OR PROFIT

List the rate proposed for profit. No fee or profit is allowed under product development, demonstration or other certain cost-sharing projects.

## ATTACHMENT D – SAMPLE AGREEMENT

Agreement No.:  
Amount:  
Type: **Cost-Sharing**

### Agreement

**Agreement** dated this \_\_\_ day of \_\_\_\_\_, 2\_\_\_ by and between the **NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY** ("NYSERDA"), a New York public benefit corporation having its principal office and place of business at 17 Columbia Circle, Albany, New York 12203-6399, and \_\_\_\_\_ having its principal office and place of business at \_\_\_\_\_ (the "Contractor").

In consideration of the premises and of the mutual covenants and agreements hereinafter set forth, the parties do hereby agree as follows:

#### Article I

#### Definitions

Section 1.01. Definitions. Unless the context otherwise requires, the terms defined below shall have, for all purposes of this Agreement, the respective meanings set forth below, the following definitions to be equally applicable to both the singular and plural forms of any of the terms defined.

(a) General Definitions:

Agreement: This Agreement and Exhibits A, B, C, and D hereto, all of which are made a part hereof as though herein set forth in full.

Budget: The Budget set forth in Exhibit A hereto.

Contract Administrator: NYSERDA's Director of Contract Management, Cheryl L. Earley, or such other person who may be designated, in writing, by NYSERDA.

Effective Date: The effective date of this Agreement shall be the date in the first paragraph of page one, above.

Final Report: The Final Report required by the Statement of Work hereof.

Person: An individual, a corporation, an association or partnership, an organization, a business or a government or political subdivision thereof, or any governmental agency or instrumentality.

Progress Reports: The Progress Reports required by the Statement of Work hereof.

Statement of Work: The Statement of Work attached hereto as Exhibit A.

Subcontract: An agreement for the performance of Work by a Subcontractor, including any purchase order for the procurement of permanent equipment or expendable supplies in connection with the Work.

Subcontractor: A person who performs Work directly or indirectly for or on behalf of the Contractor (and whether or not in privity of contract with the Contractor) but not including any employees of the Contractor or the Subcontractors.

Work: The Work described in the Exhibit A (including the procurement of equipment and supplies in connection therewith) and the performance of all other requirements imposed upon the Contractor under this Agreement.

(b) Data Rights and Patents Definitions:

Contract Data: Technical Data first produced in the performance of the contract, Technical Data which are specified to be delivered under the contract, or Technical Data actually delivered in connection with the contract.

Practical Application: To manufacture in the case of a composition or product, to practice in the case of a process or method, or to operate in the case of a machine or system, and under conditions which indicate that the benefits of the invention are available to the public on reasonable terms.

Proprietary Data: Technical Data which embody trade secrets developed at private expense, such as design procedures or techniques, chemical composition of materials, or manufacturing methods, processes, or treatments, including minor modifications thereof, provided that such data:

- (i) are not generally known or available from other sources without obligation concerning their confidentiality;
- (ii) have not been made available by the owner to others without obligation concerning its confidentiality; and
- (iii) are not already available to NYSERDA without obligation concerning their confidentiality.

Subject Invention: Any invention or discovery of the Contractor conceived or first actually reduced to practice in the course of or under this Agreement, and includes any art, method, process, machine, manufacture, design, or composition of matter, or any new and useful improvement thereof, or any variety of plants, whether patented or unpatented, under the Patent Laws of the United States of America or any foreign country.

Technical Data: Recorded information regardless of form or characteristic, of a scientific or technical nature. It may, for example, document research, experimental or developmental, or demonstration, or engineering work, or be usable or used to define a design or process, or to procure, produce, support, maintain, or operate material. The data may be graphic or pictorial delineations in media such as drawings or photographs, text in specifications or related performance or design type documents or computer software (including computer software programs, computer software data bases, and computer software documentation). Examples of Technical Data include research and engineering data, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identification,

and related information. Technical Data as used herein does not include financial reports, cost analyses, and other information incidental to contract administration.

Unlimited Rights: Rights to use, duplicate, or disclose Contract Data, in whole or in part, in any manner and for any purpose whatsoever, and to permit others to do so.

## Article II

### Performance of Work

Section 2.01. Manner of Performance. Subject to the provisions of Article XII hereof, the Contractor shall perform all of the Work described in the Statement of Work, or cause such Work to be performed in an efficient and expeditious manner and in accordance with all of the terms and provisions of this Agreement. The Contractor shall perform the Work in accordance with the current professional standards and with the diligence and skill expected for the performance of work of the type described in the Statement of Work. The Contractor shall furnish such personnel and shall procure such materials, machinery, supplies, tools, equipment and other items as may reasonably be necessary or appropriate to perform the Work in accordance with this Agreement.

Section 2.02. Project Personnel. It is understood and agreed that Mr./Ms. shall serve as Project Director and as such shall have the responsibility of the overall supervision and conduct of the Work on behalf of the Contractor and that the persons described in the Statement of Work shall serve in the capacities described therein. Any change of Project Director by the Contractor shall be subject to the prior written approval of NYSERDA. Such approval shall not be unreasonably withheld, and, in the event that notice of approval or disapproval is not received by the Contractor within thirty days after receipt of request for approval by NYSERDA, the requested change in Project Director shall be considered approved. In the event that NYSERDA requires additional time for considering approval, NYSERDA shall notify the Contractor within thirty days of receipt of the request for approval that additional time is required and shall specify the additional amount of time necessary up to 180 days.

## Article III

### Deliverables

Section 3.01. Deliverables. All deliverables shall be provided in accordance with the Exhibit A Statement of Work.

## Article IV

### Compensation

Section 4.01. Cost-Sharing. It is understood and agreed that NYSERDA and the Contractor are sharing the costs for the Work to be performed. In consideration for this Agreement and as full compensation for NYSERDA's share of the costs for the performance of all Work, and in respect of all other direct and indirect costs, charges or expenses incurred in connection therewith, NYSERDA shall pay to the Contractor a maximum amount of \$\_\_\_\_\_ for the cost elements identified in the Budget to be funded with NYSERDA funds, subject to the provisions and restrictions contained herein. Such amount shall be paid only to the extent that costs are incurred by the Contractor in performance of the Work in accordance with the provisions of this Agreement, the Budget and the following:

(a) Staff Charges: The Contractor shall be compensated for the services performed by its employees under the terms of this Agreement at the employee's actual wage rate.

(b) Direct Charges: The Contractor shall be reimbursed for reasonable and necessary actual direct costs incurred (e.g., equipment, supplies, travel and other costs directly associated with the performance of the Agreement) to the extent required in the performance of the Work in accordance with the provisions of the Budget. Travel, lodging, meals and incidental expenses shall be reimbursed for reasonable and necessary costs incurred. Costs should generally not exceed the daily per diem rates published in the Federal Travel Regulations. Reimbursement for the use of personal vehicles shall be limited to the Internal Revenue Service business standard mileage rate.

(c) Indirect Costs: The Contractor shall be reimbursed for fringe benefits, overhead, general and administrative (G&A), and other indirect costs included in the Budget at such rates as the Contractor may periodically calculate, consistent with appropriate federal guidelines or generally accepted accounting principles.

Section 4.02. Title to Equipment. Title shall vest in the Contractor to all equipment purchased hereunder.

***[OR, if specific equipment has been identified by the Project Manager for NYSERDA to retain title in, then use the following:]***

Section 4.02. Title to Equipment. Title shall vest in NYSERDA to all of the following equipment purchased hereunder:

- 1)
- 2)
- 3)
- 4)

Upon the request of NYSERDA, the Contractor shall execute, acknowledge, deliver and perform, or cause to be executed, acknowledged, delivered or performed, all such bills of sale, assignments, conveyances or other documents or acts as NYSERDA may reasonably request in order to assure the better vesting in and confirming to NYSERDA, its successor and assigns, of title to and possession of such equipment. If, after six months following the completion of the Work or the termination of this Agreement, NYSERDA has not removed any such equipment, it will be deemed abandoned and become the property of the Contractor. Any such removal of equipment by NYSERDA shall be at NYSERDA's expense.

Section 4.03. Progress Payments. The Contractor may submit invoices for progress payment no more than once each month or no less than once each calendar quarter for Work performed during such period. Invoices shall be addressed to NYSERDA, "Attention: Accounts Payable." Such invoices shall make reference to the Agreement number shown on the upper right hand corner of page one of the Agreement. Invoices shall set forth total project costs incurred. These shall be broken down into NYSERDA's Funding share and into the Cost-Share and Other Cofunding share, and they shall be in a format consistent with the cost categories set forth in the Budget. Invoices shall provide reasonable documentation for the above to provide evidence of costs incurred, including:

(a) Staff charges: for each employee, the name, title, number of hours worked, hourly rate and labor extension;

(b) Direct charges: all direct costs shall be itemized on the invoice and supported by documentation, such as vendor invoices, travel vouchers or other documentation; and

(c) Indirect charges: indirect cost rates and method by which rates are applied.

The Contractor shall be notified by NYSERDA in accordance with Section 504.4 (b)(2) of NYSERDA's Prompt Payment Policy Statement, attached hereto as Exhibit D, of any such information or documentation which the Contractor did not include with such invoice.

In accordance with and subject to the provisions of such Exhibit D, NYSERDA shall pay to the Contractor, within the prescribed time after receipt of an invoice for a progress payment, 90% of NYSERDA's share of the amount so requested, unless NYSERDA should determine that any such payment or any part thereof is otherwise not properly payable pursuant to the terms of the Agreement or the Budget.

Section 4.04. Final Payment. Upon final acceptance by NYSERDA of the Final Report and all other deliverables contained in Exhibit A, Statement of Work, pursuant to Section 6.02 hereof, the Contractor shall submit an invoice for final payment with respect to the Work, together with such supporting information and documentation as, and in such form as, NYSERDA may require. An invoice for final payment shall include, in addition to the material required pursuant to Section 4.03 hereof, a statement as to whether any invention or patentable devices have resulted from the performance of the Work. All invoices for final payment hereunder must, under any and all circumstances, be received by NYSERDA within six months following Acceptance of Work pursuant to Section 6.02 hereof. In accordance with and subject to the provisions of NYSERDA's Prompt Payment Policy Statement, attached hereto as Exhibit D, NYSERDA shall pay to the Contractor within the prescribed time after receipt of such invoice for final payment, the total amount payable pursuant to Section 4.01 hereof, less all progress payments previously made to the Contractor with respect thereto and subject to the maximum commitment of \$\_\_\_\_\_ set forth in Section 4.07 hereof.

Section 4.05. Release by the Contractor. The acceptance by the Contractor of final payment shall release NYSERDA from all claims and liability that the Contractor, its representatives and assigns might otherwise have relating to this Agreement.

Section 4.06. Maintenance of Records. The Contractor shall keep, maintain, and preserve at its principal office throughout the term of the Agreement and for a period of three years after acceptance of the Work, full and detailed books, accounts, and records pertaining to the performance of the Agreement, including without limitation, all bills, invoices, payrolls, subcontracting efforts and other data evidencing, or in any material way related to, the direct and indirect costs and expenses incurred by the Contractor in the course of such performance.

Section 4.07. Maximum Commitment. The maximum aggregate amount payable by NYSERDA to the Contractor hereunder is \$\_\_\_\_\_. NYSERDA shall not be liable for any costs or expenses in excess of such amount incurred by the Contractor in the performance and completion of the Work.

Section 4.08. Audit. NYSERDA shall have the right from time to time and at all reasonable times during the term of the Agreement and such period thereafter to inspect and audit any and all books, accounts and records at the office or offices of the Contractor where they are then being kept, maintained and preserved pursuant to Section 4.06 hereof. Any payment made under the Agreement shall be subject to retroactive reduction for amounts included therein which are found by NYSERDA on the basis of any audit of the Contractor by an agency of the

United States, State of New York or NYSERDA not to constitute an allowable charge or cost hereunder.

## Article V

### Assignments, Subcontracts and Purchase Orders

Section 5.01. General Restrictions. Except as specifically provided otherwise in this Article, the assignment, transfer, conveyance, subcontracting or other disposal of this Agreement or any of the Contractor's rights, obligations, interests or responsibilities hereunder, in whole or in part, without the express consent in writing of NYSERDA shall be void and of no effect as to NYSERDA.

Section 5.02. Subcontract Procedures. Without relieving it of, or in any way limiting, its obligations to NYSERDA under this Agreement, the Contractor may enter into Subcontracts for the performance of Work or for the purchase of materials or equipment. Except for a Subcontractor or supplier specified in a team arrangement with the Contractor in the Contractor's original proposal, and except for any Subcontract or order for equipment, supplies or materials from a single Subcontractor or supplier totaling under \$25,000, the Contractor shall select all Subcontractors or suppliers through a process of competitive bidding or multi-source price review. A team arrangement is one where a Subcontractor or supplier specified in the Contractor's proposal is performing a substantial portion of the Work and is making a substantial contribution to the management and/or design of the Project. In the event that a competitive bidding or multi-source price review is not feasible, the Contractor shall document an explanation for, and justification of, a sole source selection. The Contractor shall document the process by which a Subcontractor or supplier is selected by making a record summarizing the nature and scope of the work, equipment, supplies or materials sought, the name of each person or organization submitting, or requested to submit, a bid or proposal, the price or fee bid, and the basis for selection of the Subcontractor or supplier. An explanation for, and justification of, a sole source selection must identify why the work, equipment, supplies or materials involved are obtainable from or require a Subcontractor with unique or exceptionally scarce qualifications or experience, specialized equipment, or facilities not readily available from other sources, or patents, copyrights, or proprietary data. All Subcontracts shall contain provisions comparable to those set forth in this Agreement applicable to a Subcontractor or supplier, and those set forth in Exhibit B to the extent required by law, and all other provisions now or hereafter required by law to be contained therein. The Contractor shall submit to NYSERDA's Contract Administrator for review and written approval any Subcontract(s) specified in the Statement of Work as requiring NYSERDA approval.

Section 5.03. Performance. The Contractor shall promptly and diligently comply with its obligations under each Subcontract and shall take no action which would impair its rights thereunder. The Contractor shall not assign, cancel or terminate any Subcontract without the prior written approval of the Contract Administrator as long as this Agreement remains in effect. Such approval shall not be unreasonably withheld and, in the event that notice of approval or disapproval is not received by the Contractor within thirty days after receipt of request for approval by NYSERDA, the requested assignment, cancellation, or termination of the Subcontract shall be considered approved by NYSERDA. In the event that NYSERDA requires additional time for considering approval, NYSERDA shall notify the Contractor within thirty days of receipt of the request for approval that additional time is required and shall specify the additional amount of time necessary up to 180 days.

## Article VI

### Schedule; Acceptance of Work

Section 6.01. Schedule. The Work shall be performed as expeditiously as possible in conformity with the schedule requirements contained herein and in the Statement of Work. The draft and final versions of the Final Report shall be submitted by the dates specified in the Exhibit A Schedule. It is understood and agreed that the delivery of the draft and final versions of such reports by the Contractor shall occur in a timely manner and in accordance with the requirements of the Exhibit A Schedule.

Section 6.02. Acceptance of Work. The completion of the Work shall be subject to acceptance by NYSERDA in writing of the Final Report and all other deliverables as defined in Exhibit A, Statement of Work.

## Article VII

### Force Majeure

Section 7.01. Force Majeure. Neither party hereto shall be liable for any failure or delay in the performance of its respective obligations hereunder if and to the extent that such delay or failure is due to a cause or circumstance beyond the reasonable control of such party, including, without limitation, acts of God or the public enemy, expropriation or confiscation of land or facilities, compliance with any law, order or request of any Federal, State, municipal or local governmental authority, acts of war, rebellion or sabotage or damage resulting therefrom, fires, floods, storms, explosions, accidents, riots, strikes, or the delay or failure to perform by any Subcontractor by reason of any cause or circumstance beyond the reasonable control of such Subcontractor.

## Article VIII

### Technical Data; Patents

#### Section 8.01. Rights in Technical Data

(a) Technical Data: Rights in Technical Data shall be allocated as follows:

(1) NYSERDA shall have:

(i) Unlimited Rights in Contract Data except as otherwise provided below with respect to Proprietary Data; and

(ii) no rights under this Agreement in any Technical Data which are not Contract Data.

(2) The Contractor shall have:

(i) the right to withhold Proprietary Data in accordance with the provisions of this clause; and

(ii) the right to use for its private purposes subject to patent, or other provisions of this Agreement, Contract Data it first produces in the

performance of this Agreement provided the data requirements of this Agreement have been met as of the date of the private use of such data.

The Contractor agrees that to the extent it receives or is given access to Proprietary Data or other technical, business or financial data in the form of recorded information from NYSERDA or a NYSERDA contractor or subcontractor, the Contractor shall treat such data in accordance with any restrictive legend contained thereon, unless another use is specifically authorized by prior written approval of the Contract Administrator.

Section 8.02. Patents.

(a) The Contractor may elect to retain the entire right, title and interest throughout the world to each Subject Invention of the Contractor conceived or first actually reduced to practice in the performance of the Work under the Agreement; except, that with respect to any Subject Invention in which the Contractor elects to retain title, NYSERDA shall have a non-exclusive, non-transferrable, irrevocable, paid-up license for itself, the State of New York and all political subdivisions and other instrumentalities of the State of New York, to practice or have practiced for or on their behalf the Subject Invention throughout the world, exclusively for their own use of the Subject Invention.

(b) Within six months of the time a Subject Invention is made, or as part of the request for final payment, whichever shall occur first, the Contractor shall submit to NYSERDA a written invention disclosure. Within twelve months of the time a Subject Invention is made, or as part of the request for final payment, whichever shall occur first, the Contractor shall advise NYSERDA in writing whether the Contractor elects to retain principal rights in the Subject Invention. The Contractor shall file the patent application for a Subject Invention within two years of the date of election. If the Contractor fails to disclose a Subject Invention, fails to elect to retain principal rights thereto, or to file a patent application within the time specified in this paragraph, or if the Contractor elects not to retain principal rights in a Subject Invention, the Contractor shall convey to NYSERDA title to the Subject Invention unless NYSERDA shall waive in writing its right to take title. In the event the Contractor elects not to retain principal rights in a Subject Invention, the Contractor shall retain a non-exclusive, royalty-free license throughout the world in such Subject Invention transferable only with the written approval of NYSERDA. Such approval shall not be unreasonably withheld, and, in the event that notice of approval or disapproval is not received by the Contractor within thirty days after receipt of request for approval, the requested transfer shall be considered approved. In the event that NYSERDA requires additional time for considering approval, NYSERDA shall notify the Contractor within thirty days of receipt of the request for approval that additional time is required and shall specify the additional amount of time necessary up to 180 days.

(c) The Contractor shall submit to NYSERDA, not less frequently than annually, written reports which indicate the status of utilization of Subject Inventions in which the Contractor retains principal rights. The reports shall include information regarding the status of development, date of first commercial sale or use, and gross royalties received by the Contractor. Such report shall be furnished to NYSERDA not later than February 1 following the calendar year covered by the report. In the event the Contractor fails to demonstrate that the Contractor has taken effective steps within three years after a patent is issued to bring the Subject Invention to the point of Practical Application, then NYSERDA shall have the right to grant a non-exclusive or exclusive license to responsible applicants under terms that are reasonable under the circumstances, or to require the Contractor to do so.

(d) The Contractor shall include the foregoing patent clauses, suitably modified to identify the parties, in all subcontracts which involve the performance of Work under this

Agreement. The Subcontractor shall retain all rights provided for the Contractor, and the Contractor shall retain all rights provided for NYSERDA, as set forth above.

## Article IX

### Warranties and Guarantees

Section 9.01. Warranties and Guarantees. The Contractor warrants and guarantees that:

- (a) it is financially and technically qualified to perform the Work;
- (b) it is familiar with and will comply with all general and special Federal, State, municipal and local laws, ordinances and regulations, if any, that may in any way affect the performance of this Agreement;
- (c) the design, supervision and workmanship furnished with respect to performance of the Work shall be in accordance with sound and currently accepted scientific standards and engineering practices;
- (d) all materials, equipment and workmanship furnished by it and by Subcontractors in performance of the Work or any portion thereof shall be free of defects in design, material and workmanship, and all such materials and equipment shall be of first-class quality, shall conform with all applicable codes, specifications, standards and ordinances and shall have service lives and maintenance characteristics suitable for their intended purposes in accordance with sound and currently accepted scientific standards and engineering practices;
- (e) neither the Contractor nor any of its employees, agents, representatives or servants has actual knowledge of any patent issued under the laws of the United States or any other matter which could constitute a basis for any claim that the performance of the Work or any part thereof infringes any patent or otherwise interferes with any other right of any Person;
- (f) there are no existing undisclosed or threatened legal actions, claims, or encumbrances, or liabilities that may adversely affect the Work or NYSERDA's rights hereunder;
- (g) it has no actual knowledge that any information or document or statement furnished by the Contractor in connection with this Agreement contains any untrue statement of a material fact or omits to state a material fact necessary to make the statement not misleading, and that all facts have been disclosed that would materially adversely affect the Work; and
- (h) Contractor certifies that all information provided to NYSERDA with respect to State Finance Law Sections 139-j and 139-k is complete, true and accurate.

## Article X

### Indemnification

Section 10.01. Indemnification. The Contractor shall protect, indemnify and hold harmless NYSERDA and the State of New York from and against all liabilities, losses, claims, damages, judgments, penalties, causes of action, costs and expenses (including, without limitation, attorneys' fees and expenses) imposed upon or incurred by or asserted against NYSERDA or the State of New York resulting from, arising out of or relating to the performance of this Agreement. The obligations of the Contractor under this Article shall

survive any expiration or termination of this Agreement, and shall not be limited by any enumeration herein of required insurance coverage.

## Article XI

### Insurance

Section 11.01. Maintenance of Insurance; Policy Provisions. The Contractor, at no additional cost to NYSERDA, shall maintain or cause to be maintained throughout the term of this Agreement, insurance of the types and in the amounts specified in the Section hereof entitled Types of Insurance. All such insurance shall be evidenced by insurance policies, each of which shall:

(a) name or be endorsed to cover NYSERDA, the State of New York and the Contractor as additional insureds;

(b) provide that such policy may not be cancelled or modified until at least 30 days after receipt by NYSERDA of written notice thereof; and

(c) be reasonably satisfactory to NYSERDA in all other respects.

Section 11.02. Types of Insurance. The types and amounts of insurance required to be maintained under this Article are as follows:

(a) Commercial general liability insurance for bodily injury liability, including death, and property damage liability, incurred in connection with the performance of this Agreement, with minimum limits of \$1,000,000 in respect of claims arising out of personal injury or sickness or death of any one person, \$1,000,000 in respect of claims arising out of personal injury, sickness or death in any one accident or disaster, and \$1,000,000 in respect of claims arising out of property damage in any one accident or disaster; and

(b) Commercial automobile liability insurance in respect of motor vehicles owned, licensed or hired by the Contractor and the Subcontractors for bodily injury liability, including death and property damage, incurred in connection with the performance of this Agreement, with minimum limits of \$500,000 in respect of claims arising out of personal injury, or sickness or death of any one person, \$1,000,000 in respect of claims arising out of personal injury, sickness or death in any one accident or disaster, and \$500,000 in respect of claims arising out of property damage in any one accident or disaster.

Section 11.03. Delivery of Policies; Insurance Certificates. Prior to commencing the Work, the Contractor shall deliver to NYSERDA certificates of insurance issued by the respective insurers, indicating the Agreement number thereon, evidencing the insurance required by this Article and bearing notations evidencing the payment of the premiums thereon or accompanied by other evidence of such payment satisfactory to NYSERDA. In the event any policy furnished or carried pursuant to this Article will expire on a date prior to acceptance of the Work by NYSERDA pursuant to the section hereof entitled Acceptance of Work, the Contractor, not less than 15 days prior to such expiration date, shall deliver to NYSERDA certificates of insurance evidencing the renewal of such policies, and the Contractor shall promptly pay all premiums thereon due. In the event of threatened legal action, claims, encumbrances, or liabilities that may affect NYSERDA hereunder, or if deemed necessary by NYSERDA due to events rendering a review necessary, upon request the Contractor shall deliver to NYSERDA a certified copy of each policy.

## Article XII

### Stop Work Order; Termination

#### Section 12.01. Stop Work Order.

(a) NYSERDA may at any time, by written Order to the Contractor, require the Contractor to stop all or any part of the Work called for by this Agreement for a period of up to 90 days after the Stop Work Order is delivered to the Contractor, and for any further period to which the parties may agree. Any such order shall be specifically identified as a Stop Work Order issued pursuant to this Section. Upon receipt of such an Order, the Contractor shall forthwith comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the Work covered by the Order during the period of work stoppage consistent with public health and safety. Within a period of 90 days after a Stop Work Order is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, NYSERDA shall either:

- (i) by written notice to the Contractor, cancel the Stop Work Order, which shall be effective as provided in such cancellation notice, or if not specified therein, upon receipt by the Contractor, or
- (ii) terminate the Work covered by such order as provided in the Termination Section of this Agreement.

(b) If a Stop Work Order issued under this Section is cancelled or the period of the Order or any extension thereof expires, the Contractor shall resume Work. An equitable adjustment shall be made in the delivery schedule, the estimated cost, the fee, if any, or a combination thereof, and in any other provisions of the Agreement that may be affected, and the Agreement shall be modified in writing accordingly, if:

- (i) the Stop Work Order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this Agreement, and
- (ii) the Contractor asserts a claim for such adjustments within 30 days after the end of the period of Work stoppage; provided that, if NYSERDA decides the facts justify such action, NYSERDA may receive and act upon any such claim asserted at any time prior to final payment under this Agreement.

(c) If a Stop Work Order is not cancelled and the Work covered by such Order is terminated, the reasonable costs resulting from the Stop Work Order shall be allowed by equitable adjustment or otherwise.

(d) Notwithstanding the provisions of this Section 12.01, the maximum amount payable by NYSERDA to the Contractor pursuant to this Section 12.01 shall not be increased or deemed to be increased except by specific written amendment hereto.

#### Section 12.02. Termination.

(a) This Agreement may be terminated by NYSERDA at any time during the term of this Agreement with or without cause, upon 30 days prior written notice to the Contractor. In such event, compensation shall be paid to the Contractor for Work performed and expenses incurred

prior to the effective date of termination in accordance with the provisions of the Article hereof entitled Compensation and in reimbursement of any amounts required to be paid by the Contractor pursuant to Subcontracts; provided, however, that upon receipt of any such notice of termination, the Contractor shall cease the performance of Work, shall make no further commitments with respect thereto and shall reduce insofar as possible the amount of outstanding commitments (including, to the extent requested by NYSERDA, through termination of subcontracts containing provisions therefor).

(b) Nothing in this Article shall preclude the Contractor from continuing to carry out the Work called for by the Agreement after receipt of a Stop Work Order or termination notice at its own election, provided that, if the Contractor so elects, (i) any such continuing Work after receipt of the Stop Work Order or termination notice shall be deemed not to be Work pursuant to the Agreement and (ii) NYSERDA shall have no liability to the Contractor for any costs of the Work continuing after receipt of the Stop Work Order or termination notice.

(c) NYSERDA reserves the right to terminate this agreement in the event it is found that the certification filed by the Contractor in accordance with State Finance Law Sections 139-j and 139-k was intentionally false or intentionally incomplete. Upon such finding, NYSERDA may exercise its termination right by providing written notification to the Contractor as set forth in Article XV of this Agreement.

(d) NYSERDA reserves the right to terminate this agreement in the event it is found that the certification filed by the Contractor in accordance with New York State Tax Law Section 5-a was intentionally false when made. Upon such finding, NYSERDA may exercise its termination right by providing written notification to the Contractor as set forth in Article XV of this Agreement.

### Article XIII

#### Independent Contractor

Section 13.01. Independent Contractor. The status of the Contractor under this Agreement shall be that of an independent contractor and not that of an agent, and in accordance with such status, the Contractor, the Subcontractors, and their respective officers, agents, employees, representatives and servants shall at all times during the term of this Agreement conduct themselves in a manner consistent with such status and by reason of this Agreement shall neither hold themselves out as, nor claim to be acting in the capacity of, officers, employees, agents, representatives or servants of NYSERDA nor make any claim, demand or application for any right or privilege applicable to NYSERDA, including, without limitation, rights or privileges derived from workers' compensation coverage, unemployment insurance benefits, social security coverage and retirement membership or credit.

### Article XIV

#### Compliance with Certain Laws

Section 14.01. Laws of the State of New York. The Contractor shall comply with all of the requirements set forth in Exhibit B hereto.

Section 14.02. All Legal Provisions Deemed Included. It is the intent and understanding of the Contractor and NYSERDA that each and every provision of law required by the laws of the State of New York to be contained in this Agreement shall be contained herein, and if, through mistake, oversight or otherwise, any such provision is not contained herein, or is not

contained herein in correct form, this Agreement shall, upon the application of either NYSERDA or the Contractor, promptly be amended so as to comply strictly with the laws of the State of New York with respect to the inclusion in this Agreement of all such provisions.

Section 14.03. Other Legal Requirements. The references to particular laws of the State of New York in this Article, in Exhibit B and elsewhere in this Agreement are not intended to be exclusive and nothing contained in such Article, Exhibit and Agreement shall be deemed to modify the obligations of the Contractor to comply with all legal requirements.

## Article XV

### Notices, Entire Agreement, Amendment, Counterparts

Section 15.01. Notices. All notices, requests, consents, approvals and other communications which may or are required to be given by either party to the other under this Agreement shall be deemed to have been sufficiently given for all purposes hereunder when delivered or mailed by registered or certified mail, postage prepaid, return receipt requested, (i) if to NYSERDA, at 17 Columbia Circle, Albany, New York 12203-6399 or at such other address as NYSERDA shall have furnished to the Contractor in writing, and (ii) if to the Contractor, at , or such other address as the Contractor shall have furnished to NYSERDA in writing.

Section 15.02. Entire Agreement; Amendment. This Agreement embodies the entire agreement and understanding between NYSERDA and the Contractor and supersedes all prior agreements and understandings relating to the subject matter hereof. Except as otherwise expressly provided for herein, this Agreement may be changed, waived, discharged or terminated only by an instrument in writing, signed by the party against which enforcement of such change, waiver, discharge or termination is sought.

Section 15.03. Counterparts. This Agreement may be executed in counterparts each of which shall be deemed an original, but all of which taken together shall constitute one and the same instrument.

## Article XVI

### Publicity

#### Section 16.01. Publicity.

(a) The Contractor shall collaborate with NYSERDA's Director of Technical Communications to prepare any press release and to plan for any news conference concerning the Work. In addition the Contractor shall notify NYSERDA's Director of Technical Communications regarding any media interview in which the Work is referred to or discussed.

(b) It is recognized that during the course of the Work under this Agreement, the Contractor or its employees may from time to time desire to publish information regarding scientific or technical developments made or conceived in the course of or under this Agreement. In any such information, the Contractor shall credit NYSERDA's funding participation in the Project, and shall state that "NYSERDA has not reviewed the information contained herein, and the opinions expressed in this report do not necessarily reflect those of NYSERDA or the State of New York." Notwithstanding anything to the contrary contained herein, the Contractor shall have the right to use and freely disseminate project results for educational purposes, if applicable, consistent with the Contractor's policies.

(c) Commercial promotional materials or advertisements produced by the Contractor shall credit NYSERDA, as stated above, and shall be submitted to NYSERDA for review and recommendations to improve their effectiveness prior to use. The wording of such credit can be approved in advance by NYSERDA, and, after initial approval, such credit may be used in subsequent promotional materials or advertisements without additional approvals for the credit, provided, however, that all such promotional materials or advertisements shall be submitted to NYSERDA prior to use for review, as stated above. Such approvals shall not be unreasonably withheld, and, in the event that notice of approval or disapproval is not received by the Contractor within thirty days after receipt of request for approval, the promotional materials or advertisement shall be considered approved. In the event that NYSERDA requires additional time for considering approval, NYSERDA shall notify the Contractor within thirty days of receipt of the request for approval that additional time is required and shall specify the additional amount of time necessary up to 180 days. If NYSERDA and the Contractor do not agree on the wording of such credit in connection with such materials, the Contractor may use such materials, but agrees not to include such credit.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day, month and year first above written.

NEW YORK STATE ENERGY RESEARCH  
AND DEVELOPMENT AUTHORITY

By \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Jeffrey J. Pitkin  
Treasurer

STATE OF            )  
                          ) SS.:  
COUNTY OF        )

On the \_\_\_\_ day of \_\_\_\_\_ in the year \_\_\_\_\_, before me, the undersigned, a Notary Public in and for said State, personally appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individuals(s), or the person upon behalf of which the individual(s) acted, executed the document.

\_\_\_\_\_

Notary Public

## EXHIBIT B

REVISED 9/06

### STANDARD TERMS AND CONDITIONS FOR ALL NYSERDA AGREEMENTS

(Based on Standard Clauses for New York State Contracts and Tax Law Section 5-a)

The parties to the attached agreement, contract, license, lease, amendment, modification or other agreement of any kind (hereinafter, "the Agreement" or "this Agreement") agree to be bound by the following clauses which are hereby made a part of the Agreement (the word "Contractor" herein refers to any party other than NYSERDA, whether a contractor, licensor, licensee, lessor, lessee or any other party):

1. NON-DISCRIMINATION REQUIREMENTS. In accordance with Article 15 of the Executive Law (also known as the Human Rights Law) and all other State and Federal statutory and constitutional non-discrimination provisions, the Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, age, disability or marital status. Furthermore, in accordance with Section 220-e of the Labor Law, if this is an Agreement for the construction, alteration or repair of any public building or public work or for the manufacture, sale or distribution of materials, equipment or supplies, and to the extent that this Agreement shall be performed within the State of New York, Contractor agrees that neither it nor its subcontractors shall, by reason of race, creed, color, disability, sex or national origin: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this Agreement. If this is a building service Agreement as defined in Section 230 of the Labor Law, then, in accordance with Section 239 thereof, Contractor agrees that neither it nor its subcontractors shall, by reason of race, creed, color, national origin, age, sex or disability: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. Contractor is subject to fines of \$50.00 per person per day for any violation of Section 220-e or Section 239 as well as possible termination of this Agreement and forfeiture of all moneys due hereunder for a second subsequent violation.

2. WAGE AND HOURS PROVISIONS. If this is a public work Agreement covered by Article 8 of the Labor Law or a building service Agreement covered by Article 9 thereof, neither Contractor's employees nor the employees of its subcontractors may be required or permitted to work more than the number of hours or days stated in said statutes, except as otherwise provided in the Labor Law and as set forth in prevailing wage and supplement schedules issued by the State Labor Department. Furthermore, Contractor and its subcontractors must pay at least the prevailing wage rate and pay or provide the prevailing supplements, including the premium rates for overtime pay, as determined by the State Labor Department in accordance with the Labor Law.

3. NON-COLLUSIVE BIDDING REQUIREMENT. In accordance with Section 2878 of the Public Authorities Law, if this Agreement was awarded based upon the submission of bids, Contractor warrants, under penalty of perjury, that its bid was arrived at independently and without collusion aimed at restricting competition. Contractor further warrants that, at the time Contractor submitted its bid, an authorized and responsible person executed and delivered to NYSERDA a non-collusive bidding certification on Contractor's behalf.

4. INTERNATIONAL BOYCOTT PROHIBITION. If this Agreement exceeds \$5,000, the Contractor agrees, as a material condition of the Agreement, that neither the Contractor nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the Federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations thereunder. If such Contractor, or any of the aforesaid affiliates of Contractor, is convicted or is otherwise found to have violated said laws or regulations upon the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the Agreement's execution, such Agreement, amendment or modification thereto shall be rendered forfeit and void. The Contractor shall so notify NYSERDA within five (5) business days of such conviction, determination or disposition of appeal. (See and compare Section 220-f of the Labor Law, Section 139-h of the State Finance Law, and 2 NYCRR 105.4).

5. SET-OFF RIGHTS. NYSERDA shall have all of its common law and statutory rights of set-off. These rights shall include, but not be limited to, NYSERDA's option to withhold for the purposes of set-off any moneys due to the Contractor under this Agreement up to any amounts due and owing to NYSERDA with regard to this Agreement, any other Agreement, including any Agreement for a term commencing prior to the term of this Agreement, plus any amounts due and owing to NYSERDA for any other reason including, without limitation, tax delinquencies, fee delinquencies or monetary penalties relative thereto.

6. CONFLICTING TERMS. In the event of a conflict between the terms of the Agreement (including any and all attachments thereto and amendments thereof) and the terms of this Exhibit B, the terms of this Exhibit B shall control.

7. GOVERNING LAW. This Agreement shall be governed by the laws of the State of New York except where the Federal supremacy clause requires otherwise.

8. NO ARBITRATION. Disputes involving this Agreement, including the breach or alleged breach thereof, may not be submitted to binding arbitration (except where statutorily required) without the NYSERDA's written consent, but must, instead, be heard in a court of competent jurisdiction of the State of New York.

9. SERVICE OF PROCESS. In addition to the methods of service allowed by the State Civil Practice Law and Rules ("CPLR"), Contractor hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be complete upon Contractor's actual receipt of process or upon NYSERDA's receipt of the return thereof by the United States Postal Service as refused or undeliverable. Contractor must promptly notify NYSERDA, in writing, of each and every change of address to which service of process can be made. Service by NYSERDA to the last known address shall be sufficient. Contractor will have thirty (30) calendar days after service hereunder is complete in which to respond.

10. CRIMINAL ACTIVITY. If subsequent to the effectiveness of this Agreement, NYSERDA comes to know of any allegation previously unknown to it that the Contractor or any of its principals is under indictment for a felony, or has been, within five (5) years prior to submission of the Contractor's proposal to NYSERDA, convicted of a felony, under the laws of the United States or Territory of the United States, then NYSERDA may exercise its stop work right under this Agreement. If subsequent to the effectiveness of this Agreement, NYSERDA comes to know of the fact, previously unknown to it, that Contractor or any of its principals is under such indictment or has been so convicted, then NYSERDA may exercise its right to terminate this Agreement. If the Contractor knowingly withheld information about such an indictment or conviction, NYSERDA may declare the Agreement null and void and may seek

legal remedies against the Contractor and its principals. The Contractor or its principals may also be subject to penalties for any violation of law which may apply in the particular circumstances. For a Contractor which is an association, partnership, corporation, or other organization, the provisions of this paragraph apply to any such indictment or conviction of the organization itself or any of its officers, partners, or directors or members of any similar governing body, as applicable.

11. PERMITS. It is the responsibility of the Contractor to acquire and maintain, at its own cost, any and all permits, licenses, easements, waivers and permissions of every nature necessary to perform the work.

12. PROHIBITION ON PURCHASE OF TROPICAL HARDWOODS. The Contractor certifies and warrants that all wood products to be used under this Agreement will be in accordance with, but not limited to, the specifications and provisions of State Finance Law Section 165 (Use of Tropical Hardwoods), which prohibits purchase and use of tropical hardwoods, unless specifically exempted by NYSERDA.

13. COMPLIANCE WITH TAX LAW SECTION 5-a. The following provisions apply to Contractors that have entered into agreements in an amount exceeding \$100,000 for the purchase of goods and services:

- a. Before such agreement can take effect, the Contractor must have on file with the New York State Department of Taxation and Finance a Contractor Certification form (ST-220-TD).
- b. Prior to entering into such an agreement, the Contractor is required to provide NYSERDA with a completed Contractor Certification to Covered Agency form (Form ST-220-CA).
- c. Prior to any renewal period (if applicable) under the agreement, the Contractor is required to provide NYSERDA with a completed Form ST-220-CA.
- d. Certifications referenced in paragraphs (b) and (c) above will be maintained by NYSERDA and made a part hereof and incorporated herein by reference.
- e. NYSERDA reserves the right to terminate this agreement in the event it is found that the certification filed by the Contractor in accordance with Tax Law Section 5-a was false when made.

EXHIBIT C  
**REPORT FORMAT AND STYLE GUIDE**

**PURPOSE**

This document explains how to prepare a technical report for the New York State Energy Research and Development Authority (NYSERDA). It describes editorial and production procedures and gives electronic data-transfer information. NYSERDA's contractors prepare the reports describing NYSERDA research and development projects that NYSERDA publishes. Please direct questions about format and style to Diane Welch of NYSERDA's Technical Communications unit: (518) 862-1090, ext. 3276; fax (518) 862-1091; e-mail dlw@nysesda.org

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**REPORT FORMAT AND SEQUENCE**

The following items are required in all technical reports and should be paginated in the following sequence:

- Title page (no page number)
- Notice (no page number)
- Abstract (iii)
- Acknowledgments (optional) (iv)
- Table of Contents, including listings of figures and tables (v or vii)
- Summary (S-1)

**NOTE: the Abstract, Table of Contents, and each section begin on right-hand, odd-numbered pages.**

**Title Page**

- The following information is required (see sample on last page):
  - Report title and type of report (i.e., final, interim, or summary)
  - Name of NYSERDA project manager(s)
  - Corporate name, city, and state of contractor(s), including contact person(s) or project manager(s)
  - Project cosponsors, including contact person(s) or project manager(s)
  - Contract number (e.g., 3178-ERTER-MW-94)

**Notices**

One of these legal notices or disclaimers is required:

- When NYSERDA is the project's sole sponsor, this notice must be used:

## NOTICE

This report was prepared by \_\_\_\_\_ in the course of performing work contracted for and sponsored by the New York State Energy Research and Development Authority (hereafter "NYSERDA"). The opinions expressed in this report do not necessarily reflect those of NYSERDA or the State of New York, and reference to any specific product, service, process, or method does not constitute an implied or expressed recommendation or endorsement of it. Further, NYSERDA, the State of New York, and the contractor make no warranties or representations, expressed or implied, as to the fitness for particular purpose or merchantability of any product, apparatus, or service, or the usefulness, completeness, or accuracy of any processes, methods, or other information contained, described, disclosed, or referred to in this report. NYSERDA, the State of New York, and the contractor make no representation that the use of any product, apparatus, process, method, or other information will not infringe privately owned rights and will assume no liability for any loss, injury, or damage resulting from, or occurring in connection with, the use of information contained, described, disclosed, or referred to in this report.

- When there are other project cosponsors, use the following notice instead:

## NOTICE

This report was prepared by \_\_\_\_\_ in the course of performing work contracted for and sponsored by the New York State Energy Research and Development Authority and the \_\_\_\_\_ (hereafter the "Sponsors"). The opinions expressed in this report do not necessarily reflect those of the Sponsors or the State of New York, and reference to any specific product, service, process, or method does not constitute an implied or expressed recommendation or endorsement of it. Further, the Sponsors and the State of New York make no warranties or representations, expressed or implied, as to the fitness for particular purpose or merchantability of any product, apparatus, or service, or the usefulness, completeness, or accuracy of any processes, methods, or other information contained, described, disclosed, or referred to in this report. The Sponsors, the State of New York, and the contractor make no representation that the use of any product, apparatus, process, method, or other information will not infringe privately owned rights and will assume no liability for any loss, injury, or damage resulting from, or occurring in connection with, the use of information contained, described, disclosed, or referred to in this report.

### **Abstract and Key Words** — right-hand, odd-numbered page [iii]

An abstract is a brief, 200-word description of project objectives, investigative methods used, and research conclusions or applications. This information will be used when NYSERDA registers the report with the National Technical Information Service (NTIS). A list of key words that describe the project and identify the major research concept should be submitted with the report. Four to six precise descriptors are generally sufficient and will be used for indexing, registering, and distributing the report through NTIS.

**Acknowledgments** (optional) — left-hand, even-numbered page [iv]

Acknowledgments precede the contents and should be no longer than two paragraphs.

**Table of Contents and Lists of Figures and Tables** — begin on odd-numbered, right-hand pages [v. vii, ix, etc.]]

The Table of Contents should list section numbers, titles, second-level headings, and their page numbers. Third-level headings also may be listed. If the report contains five or more figures or tables, they should be listed using the style of the Table of Contents. The following samples are boxed only to set them apart in this document.

**Summary** — right-hand, odd-numbered page [S-1]

The Summary, which immediately precedes the body of the text, should be written for a general audience. The Summary may be the only part of the technical report closely read by a number of people, many of whom lack a technical background. These may include industry and utility executives, government officials, legislators, the general public, and media representatives. The Summary should be 500-1000 words long.

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## **GENERAL INFORMATION**

The first reference to NYSERDA should read “the New York State Energy Research and Development Authority (NYSERDA).” Subsequent references should read simply “NYSERDA.” When it is clear that you are referring to New York State, use State; otherwise, use New York State or the State of New York.

## **COPY**

- Page format:
  - Margins should be 1.25 inches left and right; 1 inch top and bottom.
  - Use left-hand justification only.
  - Text should be in a 10-point serif font (i.e., Times Roman, Bookman, etc.); captions, tables, and figures should be in a sans-serif font (i.e., Helvetica, Arial, etc.).
  - Spacing should be 1.5 lines, printed on one side of the paper.
  - Block-style paragraphs should be used, with no indentation (except for fifth-level headings, which should be blocked on the left; see Heading Styles, below).
  - There should be two returns between a paragraph and the next heading.
- Material borrowed or adapted from external sources must be identified (i.e., document, source, date, and page). Written permission to use copyrighted illustrations, tables, or text taken from another publication must be submitted with the report.
- Avoid half-page and one-sentence paragraphs.
- Do not use contractions.
- When referring to a specific figure or table, spell out and capitalize the words "Figure" and "Table."

- Indented lists of material should be set off with bullets:
  - If a typographical bullet is unavailable, the bullet is a lower case "o," not zero.
  - One blank line should precede and follow a list.
  - Bulleted items should be indented left and right.
- All new sections should begin on a right-hand, odd-numbered page (e.g., 1-1, 2-1, A-1, etc.).
- Percentages should be written as follows: 1%, 76%, etc.
- Acronyms must be spelled out the first time used, followed by the acronym in parentheses.

## **HEADING STYLES**

The heading styles illustrated below should be used. (Only section headings should be numbered.)

### **FIRST-LEVEL HEADING**

#### **Section 1**

##### **INTRODUCTION**

The heading is upper case, centered, and boldfaced; the text is below the heading, at the left margin.

### **SECOND-LEVEL HEADING**

The heading is upper case, at the left margin, and boldfaced; the text is at the left margin.

### **Third-Level Heading**

The heading is upper and lower case, at the left margin, boldfaced, and underscored; the text is at the left margin.

**Fourth-Level Heading**. The heading is upper and lower case, at the left margin, boldfaced, and underscored, with a period at the end. The text continues on the same line as the heading. The remaining text goes back out to the left margin.

**Fifth-Level Heading.** The heading is upper and lower case, indented, boldfaced, and underscored with a period at the end. The text continues on the same line, with the remaining text indented left and right.

## **TABLES AND FIGURES**

- Tables and figures must be numbered sequentially and titled individually.
- Place tables and figures as close as possible to the text in which they are mentioned.
- Distinguish tabular material from the text.
- Cite a source if the tabular material or figure content has not been generated by the contractor.
- Figure captions should be complete sentences when appropriate.
- Use "Figure 1," not "Fig. 1," or "Table 1." in the text, as well as for captions.

Examples:

- Table 1 details demand-side management options.
- As shown in Figure 1, the demand-side management program offers numerous options.
- Figure captions should be typed in boldface.
  - **Figure 1. Demand-Side Management Options in New York State.**
- Unless generated by the contractor, a source should always be cited. The figure source should appear after the caption (e.g., Source: Lawrence Berkeley Laboratory); the table source should be noted with an asterisk and footnoted.
- Photographs and drawings should be limited in number, with the following guidelines:
  - Black-and-white line drawings or good-quality, clear halftones (black-and-white photographs) may be used. Color artwork and photos will be printed in black-and-white.
  - Slides should be converted to black-and-white photos before being submitted.
  - Photographs should be printed on glossy stock, preferably 5"x7".

## **REFERENCES AND BIBLIOGRAPHIES**

The format in Manual of Style (University of Chicago Press, Chicago, Illinois) should be used for reference listings and bibliographies.

Bibliographic entries should be listed alphabetically by author, as follows:

Hawkins, R.R. Scientific, Medical, and Technical Books Published in the United States of America. 2d ed. New York: Bowker, 1958.

## **REPORT REQUIREMENTS**

Two hard copies of the draft final report must be submitted to NYSERDA's Director of Communications. After review by the Project Manager and Technical Communications staff, the draft will be returned to the contractor for final corrections. The contractor is responsible for satisfactorily addressing technical comments from NYSERDA and other co-funders. When making editorial corrections, the contractor must ensure that technical content is not compromised.

After editorial corrections have been made, the contractor must submit two hard copies of the final report (one a camera-ready original and the other a photocopy) and the report on a compact disc, Iomega 100 PC-Zip disk, or IBM personal computer-compatible diskette to NYSERDA's Director of Communications.

### **Electronic Requirements**

- Material must be submitted in any of the following formats:
  - Compact disc (CD-ROM)
  - Iomega 100 PC-Zip disk
  - IBM personal computer-compatible 3.5-inch, double-sided (DS), high-density (HD) diskette
  
- Textual material should be created in a format compatible with WordPerfect 9. While other word-processing programs may be able to be converted, results may vary. Characteristics such as underlining, bold, italics, and special characters that often appear in equations may be lost if WordPerfect 9 is not used.
  
- Reports that are to be published on the web must be submitted as either a PDF or HTML file.

If you are unable to meet these electronic transfer requirements, before submitting your report please contact  
Diane Welch of NYSERDA's Technical Communications unit at (518) 862-1090, ext. 3276; fax (518) 862-1091; e-mail [dlw@nyserda.org](mailto:dlw@nyserda.org)

**CITY OF LOCKPORT INFLUENT HYDROPOWER  
FEASIBILITY STUDY  
Final Report**

Prepared for

**THE NEW YORK STATE  
ENERGY RESEARCH AND DEVELOPMENT AUTHORITY**  
Albany, NY

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Prepared by

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Vincent J. Funigiello, P.E.  
Project Manager

4311-ERTER-MW-97

NYSERDA  
Report 98-11



July 1998

\*Sample title page. Font is a serif font (Times Roman). Bold-faced text is 13 pt., small caps. The rest of the type is 11 pt., plain text.

## EXHIBIT D

### PART 504

#### PROMPT PAYMENT POLICY STATEMENT

Section 504.1 Purpose and applicability. (a) The purpose of this Part is to implement section 2880 of the Public Authorities Law by detailing the authority's policy for making payment promptly on amounts properly due and owing by the authority under contracts. This Part constitutes the authority's prompt payment policy statement as required by that section.

(b) This Part generally applies to payments due and owing by the authority to a person or business in the private sector under a contract it has entered into with the authority on or after May 1, 1988. This Part does not apply to payments due and owing:

- (1) under the Eminent Domain Procedure Law;
- (2) as interest allowed on judgments rendered by a court pursuant to any provision of law except Section 2880 of the Public Authorities Law;
- (3) 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, special districts or any of their related instrumentalities; to any other public authority or public benefit corporation; or to its employees when acting in, or incidental to, their public employment capacity;
- (4) if the Authority is exercising a legally authorized set-off against all or part of the payment; or
- (5) if other State or Federal law or rule or regulation specifically requires otherwise.

Section 504.2 Definitions. As used in this Part, the following terms shall have the following meanings, unless the context shall indicate another or different meaning or intent:

- (a) "Authority" means the New York State Energy Research and Development Authority.
- (b) "Contract" means an enforceable agreement entered into between the Authority and a contractor.
- (c) "Contractor" means any person, partnership, private corporation, or association:
  - (1) selling materials, equipment or supplies or leasing property or equipment to the Authority pursuant to a contract;
  - (2) constructing, reconstructing, rehabilitating or repairing buildings, highways or other improvements for, or on behalf of, the Authority pursuant to a contract; or

(3) rendering or providing services to the Authority pursuant to a contract.

(d) "Date of payment" means the date on which the Authority requisitions a check from its statutory fiscal agent, the Department of Taxation and Finance, to make a payment.

(e) "Designated payment office" means the Office of the Authority's Controller, located at 17 Columbia Circle, Albany, New York 12203.

(f) "Payment" means provision by the Authority of funds in an amount sufficient to satisfy a debt properly due and owing to a contractor and payable under all applicable provisions of a contract to which this Part applies and of law, including but not limited to provisions for retained amounts or provisions which may limit the Authority's power to pay, such as claims, liens, attachments or judgments against the contractor which have not been properly discharged, waived or released.

(g) "Prompt payment" means a payment within the time periods applicable pursuant to Sections 504.3 through 504.5 of this Part in order for the Authority not to be liable for interest pursuant to Section 504.6.

(h) "Payment due date" means the date by which the date of payment must occur, in accordance with the provisions of Sections 504.3 through 504.5 of this Part, in order for the Authority not to be liable for interest pursuant to Section 5.06.

(i) "Proper invoice" means a written request for a contract payment that is submitted by a contractor setting forth the description, price or cost, and quantity of goods, property or services delivered or rendered, in such form, and supported by such other substantiating documentation, as the Authority may reasonably require, including but not limited to any requirements set forth in the contract; and addressed to the Authority's Controller, marked "Attention: Accounts Payable," at the designated payment office.

(j)(1) "Receipt of an invoice" means:

(i) if the payment is one for which an invoice is required, the later of:

(a) the date on which a proper invoice is actually received in the designated payment office during normal business hours; or

(b) the date by which, during normal business hours, the Authority has actually received all the purchased goods, property or services covered by a proper invoice previously received in the designated payment office.

(ii) if a contract provides that a payment will be made on a specific date or at a predetermined interval, without having to submit a written invoice the 30th calendar day, excluding legal holidays, before the date so specified or predetermined.

(2) For purposes of this subdivision, if the contract requires a multifaceted, completed or working system, or delivery of no less than a specified quantity of goods, property or services and only a portion of such systems or less than the required goods, property or

services are working, completed or delivered, even though the Contractor has invoiced the Authority for the portion working, completed or delivered, the Authority will not be in receipt of an invoice until the specified minimum amount of the systems, goods, property or services are working, completed or delivered.

(k) "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.

Section 504.3 Prompt payment schedule. Except as otherwise provided by law or regulation or in Sections 504.4 and 504.5 of this Part, the date of payment by the Authority of an amount properly due and owing under a contract shall be no later than 30 calendar days, excluding legal holidays, after such receipt.

Section 504.4 Payment procedures.

(a) Unless otherwise specified by a contract provision, a proper invoice submitted by the contractor to the designated payment office shall be required to initiate payment for goods, property or services. As soon as any invoice is received in the designated payment office during normal business hours, such invoice shall be date-stamped. The invoice shall then promptly be reviewed by the Authority.

(b) The Authority shall notify the contractor within 15 calendar days after receipt of an invoice of:

- (1) any defects in the delivered goods, property or services;
- (2) any defects in the invoice; and
- (3) suspected improprieties of any kind.

(c) The existence of any defects or suspected improprieties shall prevent the commencement of the time period specified in Section 504.3 until any such defects or improprieties are corrected or otherwise resolved.

(d) If the Authority fails to notify a contractor of a defect or impropriety within the fifteen calendar day period specified in subdivision (b) of this section, the sole effect shall be that the number of days allowed for payment shall be reduced by the number of days between the 15th day and the day that notification was transmitted to the contractor. If the Authority fails to provide reasonable grounds for its contention that a defect or impropriety exists, the sole effect shall be that the payment due date shall be calculated using the original date of receipt of an invoice.

(e) In the absence of any defect or suspected impropriety, or upon satisfactory correction or resolution of a defect or suspected impropriety, the Authority shall make payment, consistent with any such correction or resolution and the provisions of this Part.

Section 504.5 Exceptions and extension of payment due date. The Authority has determined that, notwithstanding the provisions of Sections 504.3 and 504.4 of this Part, any of

the following facts or circumstances, which may occur concurrently or consecutively, reasonably justify extension of the payment due date:

(a) If the case of a payment which a contract provides will be made on a specific date or at a predetermined interval, without having to submit a written invoice, if any documentation, supporting data, performance verification, or notice specifically required by the contract or other State or Federal mandate has not been submitted to the Authority on a timely basis, then the payment due date shall be extended by the number of calendar days from the date by which all such matter was to be submitted to the Authority and the date when the Authority has actually received such matter.

(b) If an inspection or testing period, performance verification, audit or other review or documentation independent of the contractor is specifically required by the contract or by other State or Federal mandate, whether to be performed by or on behalf of the Authority or another entity, or is specifically permitted by the contract or by other State or Federal provision and the Authority or other entity with the right to do so elects to have such activity or documentation undertaken, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when any such activity or documentation has been completed, the Authority has actually received the results of such activity or documentation conducted by another entity, and any deficiencies identified or issues raised as a result of such activity or documentation have been corrected or otherwise resolved.

(c) If an invoice must be examined by a State or Federal agency, or by another party contributing to the funding of the contract, prior to payment, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when the State or Federal agency, or other contributing party to the contract, has completed the inspection, advised the Authority of the results of the inspection, and any deficiencies identified or issues raised as a result of such inspection have been corrected or otherwise resolved.

(d) If appropriated funds from which payment is to be made have not yet been appropriated or, if appropriated, not yet been made available to the Authority, then the payment due date shall be extended by the number of calendar days from the date of receipt of an invoice to the date when such funds are made available to the Authority.

Section 504.6 Interest eligibility and computation. If the Authority fails to make prompt payment, the Authority shall pay interest to a contractor on the payment when such interest computed as provided herein is equal to or more than ten dollars. Interest shall be computed and accrue at the daily rate in effect on the date of payment, as set by the New York State Tax Commission for corporate taxes pursuant to Section 1096(e)(1) of the Tax Law. Interest on such a payment shall be computed for the period beginning on the day after the payment due date and ending on the date of payment.

Section 504.7 Sources of funds to pay interest. Any interest payable by the Authority pursuant to this Part shall be paid only from the same accounts, funds, or appropriations that are lawfully available to make the related contract payment.

Section 504.8 Incorporation of prompt payment policy statement into contracts. The provisions of this Part in effect at the time of the creation of a contract shall be incorporated into and made a part of such contract and shall apply to all payments as they become due and

owing pursuant to the terms and conditions of such contract, notwithstanding that the Authority may subsequently amend this Part by further rulemaking.

Section 504.9 Notice of objection. Unless a different procedure is specifically prescribed in a contract, a contractor may object to any action taken by the Authority pursuant to this Part which prevents the commencement of the time in which interest will be paid by submitting a written notice of objection to the Authority. Such notice shall be signed and dated and concisely and clearly set forth the basis for the objection and be addressed to the Vice President, New York State Energy Research and Development Authority, at the address set forth in Section 504.2(e). The Vice President of the Authority, or his or her designee, shall review the objection for purposes of affirming or modifying the Authority's action. Within 15 working days of the receipt of the objection, the Vice President, or his or her designee, shall notify the contractor either that the Authority's action is affirmed or that it is modified or that, due to the complexity of the issue, additional time is needed to conduct the review; provided, however, in no event shall the extended review period exceed 30 working days.

Section 504.10 Judicial Review. Any determination made by the Authority pursuant to this Part which prevents the commencement of the time in which interest will be paid is subject to judicial review in a proceeding pursuant to Article 78 of the Civil Practice Law and Rules. Such proceedings shall only be commenced upon completion of the review procedure specified in Section 504.9 of this Part or any other review procedure that may be specified in the contract or by other law, rule, or regulation.

Section 504.11 Court action or other legal processes.

(a) Notwithstanding any other law to the contrary, the liability of the Authority to make an interest payment to a contractor pursuant to this Part shall not extend beyond the date of a notice of intention to file a claim, the date of a notice of a claim, or the date commencing a legal action for the payment of such interest, whichever occurs first.

(b) With respect to the court action or other legal processes referred to in subdivision (a) of this section, any interest obligation incurred by the Authority after the date specified therein pursuant to any provision of law other than Public Authorities Law Section 2880 shall be determined as prescribed by such separate provision of law, shall be paid as directed by the court, and shall be paid from any source of funds available for that purpose.

Section 504.12 Amendments. These regulations may be amended by resolution of the Authority, provided that the Chair, upon written notice to the other Members of the Authority, may from time to time promulgate nonmaterial amendments of these regulations.