ALTERNATIVE FUELS/CLEAN CITY CHALLENGE

(Technical Assistance Program)

Objective: Challenges municipal and private fleets located in areas of the State designated by the U.S. Department of Energy as Clean Cities to propose innovative projects which encourage and support the use of alternative fuels. Project selection criteria includes: providing maximum benefits in terms of emissions reduction and petroleum displacement; leveraging investment by others in vehicles and/or fueling facilities; and directly supporting installation of new fueling facilities or building critical load for existing facilities.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA); US Department of

Energy

Specific Program URL: NA

NYS Object Code: NA Year Established: 1996

Catalog of Federal Domestic Assistance No.: 81.089

Legal Authority:

Law: Public Authorities Law, Section 1854; US Energy Policy and Conservation Act, Title III, Part d 42 USC 6321

Regulation: 10 CFR Part 420

Program Contact: Fiscal Contact:
Patrick Bolton NA

Patrick Bolton NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399

(518) 862-1090 Ext. 3322 Fax: (518) 862-1091

E-Mail: PPB@NYSERDA.ORG

Eligibility: Counties, Cities, Towns, Villages, and Businesses.

Type of Program and Special Restrictions: Must be a stakeholder in one or more local Clean Cities initiatives., located in Buffalo (Western NY), Rochester, Syracuse (Central NY), Albany (Capital Region), New York City and Long Island.

Action Required to Receive Aid: Competitive application for aid required.

Description of Aid: See Objective.

Comments: Program is released on a yearly basis.

CLEAN-FUELED BUS PROGRAM

Objective: Under the program, funds will be awarded for up to 100 percent of the incremental cost (i.e., the additional cost of a clean-fueled bus compared to the cost of a comparably sized petroleum-powered vehicle) and for directly associated/infrastructure projects. A clean-fueled bus is any motor vehicle with a seating capacity of 15 or more passengers used for the transportation of persons on public highways that is powered by compressed natural gas, propane, methanol, hydrogen, or ethanol, or uses electricity including electricity generated from solar energy, either stored or generated on-board, as a primary motive force.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1996

NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Laws of 1996, Chapter 413

Regulation: NA

Program Contact: Fiscal Contact:

Patrick Bolton NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090 Ext. 3322

Fax: (518) 862-1091

E-Mail: PPB@NYSERDA.ORG

Eligibility: Municipalities, School Districts, State Agencies, Departments and Public Authorities. Buses must be commercially available from one or more bus manufacturers and be assigned to regular or revenue service. Eligible infrastructure projects include construction and equipment installation for recharging and refueling facilities, and depot conversions necessary to introduce or expand a fleet of clean-fueled buses for which funding is awarded through this program.

Type of Program and Special Restrictions: Optional, but once chosen subject to mandated State requirements.

Action Required to Receive Aid: Competitive application for aid required, RFP-552-00.

Description of Aid:

Flow of Funds: State to Local. Monies are provided as a reimbursement.

Type of Aid: Project Grant

Formula: In ranking projects, priority will be given to projects that: (a) result in greatest emissions reduction per program dollar invested; (b) are located in areas where air quality improvements are needed; (c) provide the greatest economic benefits to the State; (d) leverage co-funding by the applicant or others; (e) are from new applicants; (f) support emerging technologies; and (g) are consistent with other clean-fuel vehicle activities and priorities.

Matching Requirement: Bus authorities must be able to cover the cost of a conventional vehicle and NYSERDA will cover the incremental cost.

Maintenance of Effort: Must keep the buses consistently running in the bus fleet and maintain the recharging and refueling facilities.

Amounts Appropriated and Disbursed: See Comments

Comments: Nearly \$23,000,000 of Clean Water/Clean Air Bond Act funds have been awarded to date. Additional funds are expected.

COMBINED HEAT & POWER AND RENEWABLE GENERATION

(Technical Assistance Program)

Objective: The program helps customers evaluate the feasibility of installing Combined Heat and Power or renewable generation. Studies evaluate the energy and dollar savings associated with installing CHP or renewable generation, along with the capital cost to make those changes, providing a simple payback or life-cycle cost analysis. The case studies will be developed to demonstrate how other customers have benefitted from this program.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 2002

NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NY Public Authorities Law, Article 8, Title 9

Regulation: NA

Program Contact: Fiscal Contact:

Jaime R. Ritchey NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090, Ext. 3344

E-Mail: JRR@NYSERDA.ORG

Eligibility: All facilities in New York State, except residential properties comprised of less than five dwelling units, are eligible.

Type of Program and Special Restrictions: Must be an electric distribution customer of Central Hudson Gas and Electric Corp., Consolidated Edison Co. of New York, New York State Electric & Gas Corp., Niagara Mohawk Power Corp., Rochester Gas & Electric, or Orange and Rockland Utilities, Inc.

Action Required to Receive Aid: Application response to Program Opportunity Notice (PON) 831 or equivalent by due date.

Description of Aid:

Seeks proposals to study feasibility and encourage implementation of combined heat and power and renewable generation in New York State.

ENERGY EFFICIENCY WORKSHOPS

(Technical Assistance Program)

Objective: Provides public, private and not-for-profit organizations with practical, up-to-the-minute information on how to reduce energy use, save on operating and maintenance costs, and improve performance.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA); US Department of

Energy

Specific Program URL: NA

NYS Object Code: NA Year Established: 1996

NA

Catalog of Federal Domestic Assistance No.: 81.089

Legal Authority:

Law: Public Authorities Law, Section 1854

Regulation: NA

Program Contact: Fiscal Contact:

Angela Bush NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090 Ext. 3249

E-Mail: AMB@NYSERDA.ORG

Eligibility: State Governments, Counties, Cities, Towns, Villages, School Districts and Public Authorities.

Type of Program and Special Restrictions: Optional without any State or Federal mandated requirements.

Action Required to Receive Aid: Direct request.

Description of Aid:

NYSERDA offers Energy Efficiency Workshops aimed at providing facility staff and building managers with practical, up-to-the-minute information on how to reduce energy use, save on operating and maintenance costs, and improve performance. NYSERDA looks for interested organizations to help cosponsor these workshops.

FLEXIBLE TECHNICAL ASSISTANCE

(Technical Assistance Program)

Objective: One of the purposes of FlexTech Services is to help customers determine the capital costs, energy savings, and other costs/benefits of making electricity-related capital improvements. Types of assistance eligible for funding will generally be in the categories of equipment selection, system performance building commissioning, feasibility studies, guidance with process improvements, waste minimization, environmental performance, and renewable resources.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)); US Department of

Energy

Specific Program URL: NA

NYS Object Code: NA Year Established: 1992

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Section 1854; US Energy Policy and Conservation Act, Title III, Part d 42 USC 6321

Regulation: 10 CFR Part 420

Program Contact:

Fiscal Contact:

NA

Jaime R. Ritchey NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090, Ext. 3517

(518) 862-1090, Ext. 3517 E-Mail: JRR@NYSERDA.ORG

Eligibility: State Governments, Counties, Cities, Towns, Villages, School Districts, Public Authorities and Private Non-Profit Groups.

Type of Program and Special Restrictions: Optional, without any State or Federal mandated requirements.

Action Required to Receive Aid: Direct Request

Description of Aid:

This program allows customers to obtain cost-shared engineering services in a timely manner to help them make informed decisions about energy efficiency improvements. This is an ongoing service with retained engineering consultants. Customers have a pre-screened choice of competent technical consultants to choose from. These services are designed to help individual customers overcome barriers to energy efficiency by providing technical information and expertise, and to identify and promote the implementation of high efficiency measures. Technical services are necessary to encourage customers to obtain information necessary to implement cost-effective, energy efficiency projects.

MUNICIPAL ENVIRONMENTAL PROGRAM

Objective: Test and demonstrate technologies to enhance performance, reduce energy and operating costs of water, wastewater and solid waste management problems.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: www.nyserda.org/environment/municipal.html

NYS Object Code: NA

Year Established: NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA Regulation: NA

Program Contact: Fiscal Contact:
Janet Joseph NA

Janet Joseph NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399

(518) 862-1090 Ext. 3296 Fax: (518) 862-1091 E-Mail: jj2@nyserda.org

Eligibility: New York State municipalities.

Type of Program and Special Restrictions: Competitive solicitations.

Action Required to Receive Aid: Submit proposals.

Description of Aid:

Flow of Funds: NA Type of Aid: NA Formula: NA

Matching Requirement: 25% co-funding.

Maintenance of Effort: NA

Amounts Appropriated and Disbursed: NA

MUNICIPAL WATER AND WASTEWATER TECHNOLOGIES

(Pilot Plant and Full-Scale Demonstrations Program)

(Technical Assistance Program)

Objective: Provides risk-reduction cost sharing for testing and demonstration of new, energy-efficient water and wastewater treatment and sludge management technologies at municipal water and wastewater treatment plants.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1984

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Section 1854.

Regulation: NA

Program Contact:Gregory Lampman

NA

NA

NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399

(518) 862-1090, Ext. 3372 E-Mail: ggl@nyserda.org

Eligibility: Counties, Cities, Towns, Villages, Public Water and Sewer Districts, Public Water and Sewer Authorities.

Type of Program and Special Restrictions: Optional, without any State or Federal mandated requirements.

Action Required to Receive Aid: Competitive application for aid required.

Description of Aid:

Up to 75 percent eligible project costs with a maximum contribution of \$250,000 per project. A 25 percent minimum local cost share is required (cash and/or in-kind services). Funding may be used for equipment, materials, subcontractor labor, travel, laboratory testing and other direct costs.

NEW CONSTRUCTION PROGRAM

(Incentives and Technical Assistance Program)

Objective: The purpose of this program is to encourage implementation of energy-efficient equipment into the design of new or renovated commercial buildings in New York. This goal will be accomplished by providing technical assistance to Architectural and Engineering firms to evaluate energy efficiency options and capital cost incentives to building owners to overcome additional first cost for energy efficiency improvements.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1999

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Article 8, Title 9.

Regulation: NA

Program Contact:Fiscal Contact:Marcia ChandlerKaren Whalen

NYS Energy Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862-1090, Ext. 3363
Fax: (518) 862-1091

NYS Energy Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862-1090, Ext. 3268
E-Mail: kew@nyserda.org

E-Mail: MLC@nyserda.org

Eligibility: All new commercial construction projects, substantial renovation projects and certain small replacements of lighting, motors and unitary heating and ventilation equipment.

Type of Program and Special Restrictions: Customers must be eligible for the Systems Benefit Charge benefits.

Action Required to Receive Aid: Competitive application for aid required. Complete program applications, receive approval to install measures, verify installation and present appropriate receipts and documentation.

Description of Aid:

Engineering assistance to evaluate energy efficiency technologies, computer energy modeling of building designs, and capital cost incentives to cover a portion of the incremental cost of purchasing and installing approved equipment.

NEW YORK ENERGY \$MARTsm COMMERCIAL/ INDUSTRIAL PERFORMANCE CONTRACT PROGRAM

Objective: Encourage Energy Service Companies (ESCOs) to install cost-effective electrical energy efficiency measures for institutional, commercial, and industrial customers. Qualified customers of Central Hudson, Con Edison, NYSEG, Niagara Mohawk, Orange and Rockland, and Rochester Gas & Electric can share in incentives paid on a performance basis.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1998

NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Article 8, Title 9.

Regulation: NA

Program Contact: Fiscal Contact:

Todd Baldyga Project Manager NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090, Ext. 3354

E-Mail: TAB@NYSERDA.ORG

Eligibility: State Governments, Counties, Cities, Towns, Villages, School Districts, Public Authorities, Private Non-Profit Groups, Commercial and Industrial Electrical Customers contracting with an ESCO for energy efficiency services.

Type of Program and Special Restrictions: Optional without any State or Federal mandated requirements.

Action Required to Receive Aid: Non-competitive application for aid required.

Description of Aid:

Flow of Funds: State to ESCO selected by state/local government customer.

Type of Aid: Project Grant

Formula: Incentive is paid on a per kilowatt hour of savings basis.

Matching Requirement: Yes **Maintenance of Effort:** Yes

NEW YORK ENERGY \$MARTsm ENERGY AUDIT PROGRAM

(Technical Assistance Program)

Objective: The audit program is designed to provide technical and engineering analysis for small facilities. This assistance will help them make informed energy decisions and implement energy efficiency strategies. Through this effort, individual customer energy efficiency will be promoted and the customer acceptance of energy efficient products will be increased, thereby achieving a greater market share for these products.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1999

NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Article 8, Title 9.

Regulation: NA

Program Contact: Fiscal Contact:

Mark R. Gundrum
NYS Energy Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862 1090 Ext. 3256

(518) 862-1090, Ext. 3256 E-Mail: MRG@NYSERDA.ORG

Eligibility: State Governments, Counties, Cities, Towns, Villages, School Districts, Public Authorities and Private Non-Profit Groups.

Type of Program and Special Restrictions: Optional without any State or Federal mandated requirements.

Action Required to Receive Aid: Direct request.

Description of Aid:

This program allows customers to obtain cost-shared engineering services in a timely manner to help them make informed decisions about energy efficiency improvements. This is an ongoing service. These services are designed to help individual customers overcome barriers to energy efficiency by providing technical information and expertise, and to identify and promote the implementation of high efficiency measures. Technical services are necessary to encourage customers to obtain information necessary to implement cost-effective, energy efficiency projects.

NEW YORK ENERGY \$MARTsm LOAN FUND

Objective: Low-interest loans are available through participating lenders for energy efficiency and renewable technology projects. The Loan Fund subsidizes secured loans for 1-4 family homes up to \$20,000, for multifamily buildings up to \$5,000 per unit, or up to \$5,000,000 per borrower, and for all other facilities up to \$1,000,000 and up to an additional \$500,000 for "green building" improvements. Borrowers must be customers of Niagara Mohawk Power Corporation, Orange and Rockland, New York State Electric and Gas, Consolidated Edison, Rochester Gas & Electric or Central Hudson. Eligible measures include lighting, ENERGYSTAR® appliances, heating and air conditioning systems, efficient windows, heat pumps, and many others. Some projects require technical studies available through NYSERDA.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: www.nyserda.org/loanfund

NYS Object Code: NA Year Established: 1999

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA Regulation: NA

Program Contact: Fiscal Contact:

Marilyn Dare NA

Marilyn Dare NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399

(518) 862-1090, Ext. 3348 E-Mail: mjd@nyserda.org

Eligibility: All sectors are eligible. Loans will be available to customers of Consolidated Edison, Niagara Mohawk Power Corporation, Central Hudson, New York State Electric and Gas, and Orange & Rockland, and Rochester Gas & Electric. Applicants must obtain loan commitments from participating lenders.

Type of Program and Special Restrictions: Participation in the Loan Fund is optional and entails no mandated requirements. No special restrictions apply.

Action Required to Receive Aid: Complete application package and obtain commitment. Some applicants must have technical analyses of their projects.

Description of Aid:

Flow of Funds: System benefits charge funds flow to NYSERDA and from NYSERDA to participating lendors.

Type of Aid: Benefits are available up to ten years of eligible loan term.

Formula: NA

Matching Requirement: NA Maintenance of Effort: NA

Comments: \$11 million is available for loans.

PEAK LOAD REDUCTION PROGRAM

Objective: Reduce electric demand in NYS to increase grid reliability.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: www.nyserda.org/903pon.pdf

NYS Object Code: NA Year Established: 2001

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA Regulation: NA

Program Contact: Fiscal Contact:
Lee Smith Chris Smith

NYS Energy Research and
Development Authority
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862-1090 Ext. 3313

NYS Energy Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862-1090 Ext. 3360

Eligibility: Facilities must contribute to SBC and have the ability to reduce electric demand.

Type of Program and Special Restrictions: Optional without any State or Federal mandated require-

ments.

Action Required to Receive Aid: Non-competitive Application for Aid Required

Description of Aid:

Flow of Funds: State to Local. Monies are provided as a reimbursement.

Type of Aid: Project Grant

Formula: Based on kilowatts reduced (up to \$425/kw). Maximum equals \$500,000/recipient.

Matching Requirement: NA **Maintenance of Effort:** NA

Amounts Appropriated:

<u>Federal Funds</u> <u>State General Fund</u> <u>State Spec. Rev.</u>

SFY 02-03 NA NA 10,500,000

Amounts Disbursed:

<u>Federal Funds</u> <u>State General Fund</u> <u>State Spec. Rev.</u>

SFY 01-02 NA NA 9,800,000

NYS Energy Research and Development Authority

SMART EQUIPMENT CHOICES PROGRAM

Objective: To improve energy efficiency of existing electrical loads by offering incentive payments for pre-qualified equipment.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: www.nyserda.org/853pon.html

NYS Object Code: NA Year Established: 2001

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA Regulation: NA

Program Contact:Fiscal Contact:Kimberlie SchryerCarolyn Cazer

NYS Energy Research and
Development Authority
NYS Energy Research and
Development Authority
NYS Energy Research and
Development Authority
Albany, NY 12203-6399
(518) 862-1090 Ext. 3410
E-Mail: KAS@NYSERDA.ORG
Carolyn Cazer
Carolyn Cazer
Carolyn Cazer
Carolyn Cazer
NYS Energy Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399
(518) 862-1090 Ext. 3310

E-Mail: CJC@NYSERDA.ORG

Eligibility: NY electricity distribution customers of: Central Hudson G&E, Consolidated Edison Co. of NY, NYSE&G, Niagara Mohawk, Orange & Rockland Utilities and Rochester Gas & Electric Corp. that pay into the SBC program.

Type of Program and Special Restrictions: Optional, but once chosen subject to State requirements (program requirements). SBC funded incentive program under Energy Efficiency Services (EES).

Action Required to Receive Aid: Non-competitive application for aid required. Applications submitted under Program Opportunity Notice (PON) 853.

Description of Aid: Reimbursement for purchase and installation of qualifying equipment.

Flow of Funds: State to Local. Monies are provided as a reimbursement.

Type of Aid: Ongoing

Formula: Maximum award of \$5,000 per applicant during the program year.

Matching Requirement: NA **Maintenance of Effort:** NA

Amounts Appropriated:

System Benefit Charge Funds

SFY 02-03 8,272,054 SFY 03-04 1,400,000

Amounts Disbursed:

System Benefit Charge Funds

SFY 02-03 7,626,882 SFY 03-04 232,630

TECHNICAL ASSISTANCE PROGRAM

(Technical Assistance Program)

Objective: The program helps customers identify energy-efficiency opportunities. This program is extremely flexible and allows the customer to evaluate almost any decision regarding energy use by funding: energy feasibility studies, operational changes, rate analysis and aggregation studies, retro-commissioning services, studies leading to performance contracts, etc. Studies evaluate the energy and dollar savings associated with making changes to the facility or operation, along with the capital cost to make those changes, providing a simple payback or lifecycle cost analysis. Case studies have been provided to demonstrate how other customers have benefitted from this program.

Administering Agency: NYS Energy Research and Development Authority (NYSERDA)

Specific Program URL: NA

NYS Object Code: NA Year Established: 1998

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Public Authorities Law, Article 8, Title 9.

Regulation: NA

Program Contact:

Fiscal Contact:

NΔ

Gregory Lampman NYS Energy Research and Development Authority 17 Columbia Circle Albany, NY 12203-6399 (518) 862-1090, Ext. 3372

(518) 862-1090, Ext. 3372 E-Mail: ggl@nyserda.org

Eligibility: All facilities located in New York State, except for residential properties comprised of less than five units, are eligible.

Type of Program and Special Restrictions: Must be an electric distribution customer of Central Hudson Gas & Electric Corp., Consolidated Edison Co. of New York, New York State Electric and Gas Corp., Niagara Mohawk Power Corp., Rochester Gas & Electric, or Orange and Rockland Utilities, Inc.

Action Required to Receive Aid: Application response to Technical Assistance Program Opportunity Notice by due date.

Description of Aid:

This program allows customers to obtain cost-shared engineering services, designed to help customers make informed decisions about energy-related investments. Projects typically cost-shared on a 50:50 basis up to \$50,000.