

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:

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NA

Eligibility: Municipal Agencies, Businesses, Corporations, School Districts, Not-for-Profit Institutions, Organizations and Associations.

Type of Program and Special Restrictions: Open to fleets of ten or more light-, medium-, or heavy-duty vehicles and petroleum companies interested in supplying renewable fuels (biodiesel or ethanol) to one or more eligible fleets.

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

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: Laws of 1996, Chapter 413

Regulation: NA

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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.

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: Over \$30 million of Clean Water/Clean Air Bond Act funds have been awarded to date.

COMBINED HEAT & POWER (CHP) PERFORMANCE PROGRAM

(A Component of New York Energy \$martsm Commercial Industrial Performance Contract Program)

Objective: Encourages the installation of clean, efficient and commercially available CHP systems in Con Edison Electric Service Territory.

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

Specific Program URL: NA

NYS Object Code: NA

Year Established: 2006

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

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

Regulation: NA

Program Contact:

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NA

Eligibility: CHP systems with a minimum installed capacity of 300 KW from sites located in Con Edison Electric Service Territory that pay the monthly adjustment clause (MAC).

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 Applicant. (Applicant may be either the customer, contractor, or other entity willing to guarantee the CHP system performance.

Type of Aid: Project Incentive

Formula: Incentive is paid on annual KWH generated and average KW produced during the summer capability period (defined as the hours between 12pm and 6pm, Monday through Friday, from May 1 to October 31, excluding legal holidays).

Matching Requirement: Yes

Maintenance of Effort: Yes, two years of measurement and verification.

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

Catalog of Federal Domestic Assistance No.: 81.089

Legal Authority:

Law: Public Authorities Law, Section 1854

Regulation: NA

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Fiscal Contact:

NA

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 cosponsors 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 cosponsor these workshops.

FLEXIBLE TECHNICAL ASSISTANCE

(Technical Assistance Program)

Objective: Helps customers identify energy-efficiency opportunities. This program is extremely flexible and allows the customers to evaluate almost any decision regarding energy use by cost-sharing: energy feasibility studies, operational changes, energy procurement options such as rate analysis and aggregation, retrocommissioning services, combined heat and power (CHP) studies, 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 life-cycle cost-analysis.

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:

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Fiscal Contact:

NA

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

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

Action Required to Receive Aid: Direct Request or on-line Referral Form.

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. Projects are typically cost-shared on a 50:50 basis up to \$50,000. (Up to \$100,000 if customer is located in Con Edison Electric Service Territory.) This is an ongoing service with competitively selected engineering consultants. Customers can choose from the list of retained engineering consultants to provide services. 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 objective information necessary to implement cost-effective, energy efficiency projects.

**MUNICIPAL WATER AND WASTEWATER
TECHNOLOGIES
(Pilot Plant, Full-Scale Demonstrations
and Research Studies 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:

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Fiscal Contact:

NA

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 50 percent eligible project costs with a maximum contribution of \$400,000 per project. A 50 percent minimum cost share is required (cash and/or in-kind services). Cost-sharing is not required on research studies. Funding may be used for equipment, materials, subcontractor labor, travel, laboratory testing and other direct costs.

MUNICIPAL WATER AND WASTEWATER TREATMENT PROGRAM

Objective: Test and demonstrate technologies to enhance performance, reduce energy and operating costs of municipal water and wastewater treatment systems.

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

Specific Program URL: www.nyserda.org/Programs/Environment/muniwaterwwt.asp

NYS Object Code: NA

Year Established: NA

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA

Regulation: NA

Program Contact:

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NA

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

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

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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 ENHANCED
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: www.nyserdera.org/programs/CIPP/default.asp

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:

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Fiscal Contact:

NA

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. Customers must pay into the Systems Benefit Program.

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 or State to customer. Also, reimbursement for purchase and installation of qualifying equipment.

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

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

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

Regulation: NA

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Fiscal Contact:

NA

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 \$SMARTsm LOAN FUND

Objective: Low-interest loans are available through participating lenders for energy efficiency and renewable technology projects. The Loan Fund subsidizes loans for 1-4 family homes up to \$20,000; for multi-family buildings up to \$5,000 per unit up to \$2,500,000 per borrower plus an additional maximum of \$2,500,000 for projects that include advanced meters coupled with a variable electricity rate structure that encourages shifting electric load to off-peak periods; and for all other facilities and new construction multi-family building up to \$1,000,000 and up to an additional \$500,000 for "green building" improvements. Borrowers must be customers of National Grid, 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. An interest rate reduction of up to 6.5% is available to certain Con Edison customers; all other applicants may receive a 4% interest rate reduction.

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

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Fiscal Contact:

NA

Eligibility: All sectors are eligible. Loans will be available to customers of Consolidated Edison, National Grid, 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 from a participating lender. 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 lenders.

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

Formula: NA

Matching Requirement: NA

Maintenance of Effort: NA

Comments: Approximately \$10 million, representing over \$70 million in low interest loans, is available for lump sum subsidies payable to participating lenders.

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.nyscrda.org/programs/peakload/default.asp

NYS Object Code: NA

Year Established: 2001

Catalog of Federal Domestic Assistance No.: NA

Legal Authority:

Law: NA

Regulation: NA

Program Contact:

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Fiscal Contact:

NA

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 requirements.

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: Incentive is paid on the basis of \$/KW of savings.

Matching Requirement: NA

Maintenance of Effort: NA

Amounts Appropriated and Disbursed: NA

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, energy procurement such as rate analysis and aggregation studies, retro-commissioning services, combined heat and power (CHP) and renewable generation, 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 life-cycle cost analysis.

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:

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Fiscal Contact:

NA

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 (up to \$100,000 if customer is located in Con Edison Electric Service Territory).