REGIONAL COUNCILS: RESOURCE GUIDE

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PART I: State Program Resources

Program	Source	Amount	Description	Agency	Process	Comments
Regulatory		$0	The Adirondack Park Agency implements the statutory and regulatory provisions of the Adirondack Park Agency Act, the Freshwater Wetlands Act, and the Wild, Scenic and Recreational Rivers System Act. Staff provide pre-application project guidance and assessment, determine application completeness, apply review standards, and prepare permit, variance or denial orders.	Adirondack Park Agency	The Adirondack Park Land Use and Development Plan applies to private land use and development in the park. The plan defines Agency jurisdiction and is designed to conserve the park's natural resources and open-space character.	The APA issues approximately 400 project permits on an annual basis.
Specialty Crop Block Grant	Federal	$700,000	The purpose of the program is to enhance the competitiveness of New York specialty crops by creating partnerships; fostering innovation; increasing efficiencies and reducing costs; promoting and developing new/existing markets; reaching consumers in rural, suburban and urban communities; and enhancing the long term viability of New York's specialty crop agricultural businesses and food systems.	Agriculture and Markets, Department of	Administered by the Department through a competitive RFP.	Each State Department of Agriculture that submits an application, which is reviewed and approved by USDA, will receive a base grant ($181,641 in 2011). The remainder of the grant fund is allocated based on the value of specialty crop production in each State in relation to the national value of specialty crop production, using the latest available cash receipt data. New York is eligible for approximately $1 million each federal fiscal year in 2011 and 2012.
Specialty Crop Block Grant - Regional Buy Local Program	Federal	$127,000	Program will provide each of the eleven defined regions within the State an opportunity to work with the Department to develop, market and promote "buy local" campaigns/brands that reflect each region's geography, agricultural production, local cultural identity and other unique attributes or specialties (e.g. grape products of the Greater Niagara Region, maple products of the Adirondack Region, etc.). The overall objectives are to foster increased consumer awareness and recognition of locally produced foods and agricultural products leading to increased sales and economic development within each region, under the umbrella of the Pride of New York Program.	Agriculture and Markets, Department of	Administered by the Department through a competitive RFP.	Same as above
Grow NY - Agricultural Economic Development	State	up to $2,303,000	The Grow NY Agricultural Economic Development program is an umbrella program that consists of the following grant programs; Food and Agriculture Industry and Development; Farmland Viability; Farmers' Markets; Pride of New York; Agricultural Worker Certification	Agriculture and Markets, Department of	Each program is administered by the Department through a competitive RFP.	Funding for this program could come through re-appropriation of un-spent funds from previous fiscal years.
Electronic Benefits Transfer (EBT)	Federal	$250,000	The program provides wireless technology, market scrip, technical assistance, fee support, promotion and training to program participants, including, farmers, farmers' markets, or other local food market operations. EBT technology at these venues facilitates access to locally grown food by consumers using federal food stamps benefits.	Agriculture and Markets, Department of	The program is administered by the NYS Farmers' market Federation through a contract with the Department.	
Healthy Food Healthy Communities Initiative	State	$10,000,000	The New York State Healthy Food / Healthy Communities Initiative (the "Initiative") is an innovative program administered jointly by ESDC and the NYSDAM providing capital in the form of grants and loans to support the development of fresh food retailers in underserved urban and rural communities across New York State. The statewide program meets the financing needs of market operators that plan to operate in underserved communities where infrastructure costs and credit needs cannot be filled.	Agriculture and Markets, Department of & Empire State Development Corporation	The program is administered through a contract between ESDC and the Low Income Investment Fund, Inc. (LIIF). LIIF is responsible for all administrative activities, including receiving and reviewing applications, awarding funds, and managing portfolio.	The Fund was capitalized with $10,000,000 from the Upstate Agricultural Development Fund and matched with $20,000,000 from Goldman Sachs.
Grants for Arts and Cultural Organizations	State	$31,635,000	The New York State Council on the Arts (NYSCA) accepts grant applications on an annual basis for discipline-based funding of arts and cultural activity. Nonprofit organizations registered to do business in New York State are eligible to apply. Funding is also available for individual artists sponsored by eligible organizations.	Arts, Council on	All applications are submitted online at www.nysca.org. First time applicants must create an organizational account with NYSCA before applying. For more information, first time applicants should visit: www.nysca.org/public/first_time/index.htm	There are three steps to completing a NYSCA application: 1) Annual registration with NYSCA, 2) Submitting the two most recently completed years of financial data using the New York State Cultural Data Project (www.nysculturaldata.org), and 3) Completing an online application with NYSCA by the deadline
Banking Development District Program	State	$10,000,000 per branch	Provides an incentive to banks to promote the establishment of new bank branches in communities with none or few branches and thereby stimulate the opening of bank accounts by the unbanked and the availability of capital for small businesses.	Banking Department	Banks must apply jointly with government authority to the Banking Department to designate a banking development district and Comptroller will deposit funds in the newly established bank branch.	The BDD program is poised to end on January 1, 2012 unless it is either extended or made permanent.
Canalway Grants Program	NYS Canal Corporation	$1,500,000	Matching grants program for canal-related community capital projects.	Canal Corporation	The process for this program is in development.	The Canal Corporation Board approved the 2011 Canalway Grants Program on May 18, 2011.

Program	Source	Amount	Description	Agency	Process	Comments
Online Permit Assistance and Licensing (OPAL)	State	$0	The Business Permit Assistance Unit helps to stimulate economic development by offering business owners comprehensive compliance information, forms, and contact information regarding permits and licensing at all levels of government. The Business Permit Assistance Unit operates the Online Permit Assistance and Licensing (OPAL) website that offers easy on-line access to information on what a business needs to know about setting up or expanding operations in New York State.	Chief Information Officer/Office for Technology	Learn more about NYS licensing requirements by visiting OPAL at http://www.nys-opal.com. Customer assistance is available through our Customer Care Center at 518-474-8275 or permits@cio.ny.gov<mailto:permits@cio.ny.gov>.	OPAL Just Recorded its 1,000,000 transaction.
Tax-Exempt Financing Programs (General)	State	$0	The Dormitory Authority offers lending services to eligible institutions on whose behalf the Dormitory Authority issues its tax-exempt and, occasionally, taxable obligations. Loan payments made by borrowing institutions are used to pay principal and interest on the Dormitory Authority obligations sold to investors.	Dormitory Authority	There is no formal application form involved in doing business with the Dormitory Authority. Those institutions having generic authorization to access Dormitory Authority services may contact DASNY for financing inquiries. Institutions without generic authorization must first be added to the Dormitory Authority's statute prior to accessing the Authority's financing services. However, applicants are encouraged to contact DASNY to discuss this legislative process, the feasibility of their projects and the viability of their institution relating to the issuance of Dormitory Authority bonds.	
Tax-Exempt Equipment Leasing Program (TELP)	State	$0	The Tax-Exempt Equipment Leasing Program is available to most institutions authorized to finance construction projects through the Dormitory Authority.	Dormitory Authority	The application process involves a basic business letter application and obtaining any required Health Department or governmental approvals. Authority staff can also assist in finding lease funding sources that have the lowest borrowing rates. On average, the process takes six to eight weeks. Documentation for TELP involves only one master lease and standardized paperwork to save time on subsequent requests. Many of the Authority's clients have come back two and three times for equipment leases. Once the initial master lease is set, additional equipment can be acquired by amending the master lease agreement.	
Regional Councils Capital	State	$130,000,000	Capital funds to support initiatives that create and retain jobs, invest in infrastructure and support academic research.	Empire State Development	Regional Councils will propose select projects to ESD for evaluation.	Funding program names are referred to by acronym in the text but the acronyms aren't defined (though it's obvious) as they are in other sections.
Excelsior Jobs Program	State	$70,000,000	Provides 4 fully refundable tax credits to businesses in strategic industries, including biotechnology, pharmaceutical, high-tech, clean-technology, green technology, financial services, agriculture and manufacturing.	Empire State Development	Funding program names are referred to by acronym in the text but the acronyms aren't defined (though it's obvious) as they are in other sections.	
Economic Development Purposes Fund	State	$19,200,000	Provides financial assistance for projects that promote the economic health of New York State by facilitating the creation and/or retention of jobs or the increase of business activity in the State. Note: ongoing initiatives and current projects limit the availability of these funds.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
Economic Transformation Program	State	$50,000,000 plus tax credits	Provides capital funding and/or tax credits to support the economies affected by the closure of correctional and juvenile justice facilities.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions for financial assistance and certification for tax credits.	
Environmental Investment Program	State	$1,000,000	Helps businesses capture the economic benefits associated with pollution prevention, waste reduction, re-use and recycling.	Empire State Development	Interested companies should contact the ESD Environmental Services Unit.	
I Love NY Tourism Marketing	State	TBD	Marketing for I Love NY Tourism	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
Job Development Authority	State	TBD	Provides direct loans for the growth of manufacturing and other eligible businesses within New York State by assisting in financing a portion of the cost of acquiring and renovating existing buildings, constructing new buildings, or purchasing machinery and equipment.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	

Program	Source	Amount	Description	Agency	Process	Comments
Linked Deposit Program	State	$220,000,000	Helps existing New York State firms obtain reduced-rate financing so they can undertake projects to improve their competitiveness, market access and product development; modernize their equipment and or expand their facilities for productivity growth or to introduce new technologies; to facilitate ownership transition; and to promote job creation and retention.	Empire State Development	Interested companies should contact the Linked Deposit Program.	
Metropolitan Economic Revitalization Program	State	$12,300,000	Provides loans to businesses or governments investing in projects that retain or create a significant number of private-sector jobs in economically distressed areas that are within the geographic area known as the NewYork portion of the service area of the Port Authority of New York and New Jersey. These areas include New York City and parts of Nassau, Westchester and Rockland counties.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
Minority and Women Business Development and Lending Program	State	$635,000	Provides financial assistance to Minority and Women-Owned Business Enterprises (MWBE) in the State, as well as to projects and programs that assist the development of entrepreneurship among minority persons and women in New York State.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
New Markets Tax Credits	Federal	Limited resources in FY 2011-2012	Subsidizes long-term capital investment in order to foster job creation and community development in low-income communities throughout New York State.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
State Small Business Credit Iniative	Federal	$55,400,000	Provides assistance through new and existing capital access programs for small businesses utilizing three programs: 1) Capital Access Program, 2) Innovate NY Fund, and 3) New York Bonding Guarantee Assistance Program.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office for more information.	
Small Business Technology Investment Fund (SBTIF)	State	$1,300,000	Provides direct venture capital investments to early stage high technology companies, and offers technical assistance to companies through the University resources available through NYSTAR's statewide network. The SBTIF also has invested in two Regional Seed Funds and works to foster seed investing in collaboration with Angel and other interested regional investors. SBTIF often partners with other venture firms when making investments, and will provide technical assistance to start up companies even if SBTIF does not make a direct investment.	Empire State Development	Interested companies should contact SBTIF directly or fill out an application on ESD's website.	
Urban and Community Development Program	State	$3,400,000	Provides financial assistance to businesses, local governments, or other not-for-profits to encourage economic and employment opportunities and stimulate development of communities and urban areas; preference given to projects located in highly distressed communities and for projects where other funding sources are not available.	Empire State Development	Interested companies should contact the appropriate ESD Regional Office. ESD incorporates Regional Council input into funding decisions.	
Flexible Technical Assistance Program (FlexTech)	System Benefits Charge (SBC)	$17,000,000 through 12/31/11	Program provides New York State commercial, industrial, institutional, government, and not-for-profit sectors with objective and customized information to help customers make informed energy decisions.	Energy Research and Development Authority	System Benefits Charge (SBC) ratepayers may apply on-line at http://www.nyserda.org/programs/FlexTech/ReferralForm.asp or email FlexTech@nyserda.org	Funding provided on a first-come, first-serve basis until December 2011 unless funds are fully committed. Program continuance beyond January 1, 2012, is contingent on future funding from the Energy Efficiency Portfolio Standard (EEPS) program. PSC/DPS indicate a decision is anticipated Fall 2011. NYSERDA is making changes, applicable to this program, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.
New Construction Program	System Benefits Charge (SBC)	$25,000,000 through 12/31/11	Program provides technical assistance and capital incentives for the purchase and installation of energy-efficient equipment that reduces natural gas and electric energy consumption in new and substantially renovated buildings, with additional incentives for green buildings and commissioning.	Energy Research and Development Authority	Eligible applicants for electric or gas incentives are New York State electricity or firm gas distribution customers of a participating utility company and who pay into the System Benefits Charge (SBC). Projects include new construction or substantial renovations. Visit http://www.nyserda.org/programs/New_Construction/default.asp for program applications, or contact NYSERDA at 866-NYSERDA to have an application sent.	Funding provided on a first-come, first-serve basis until December 2011 unless funds are fully committed. Program continuance beyond January 1, 2012, is contingent on future funding from the Energy Efficiency Portfolio Standard (EEPS) program. PSC/DPS indicate a decision is anticipated Fall 2011. NYSERDA is making changes, applicable to this program, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.

Program	Source	Amount	Description	Agency	Process	Comments
Existing Facilities Program	System Benefits Charge (SBC)	$25,000,000 through 12/31/11	The Existing Facilities Program (EFP) offers customers incentives to develop and implement a comprehensive strategy to realize electric (kWh) and natural gas (MMBtu) savings by implementing cost-effective energy efficiency measures. This comprehensive approach encourages customers to approach energy projects in an integrated fashion.	Energy Research and Development Authority	Eligible applicants for electric or gas incentives are New York State electricity or firm gas distribution customers of a participating utility company and who pay into the System Benefits Charge (SBC). Visit http://www.nyserda.org/programs/Existing_Facilities/default.html for program applications, or contact NYSERDA at 866-NYSERDA to have an application sent.	First-come, first-serve basis or until funds are fully committed. Program closes 11/30/11. Program continuance beyond 11/30/11 is contingent on future funding from the Energy Efficiency Portfolio Standard (EEPS) and System Benefits Charge (SBC). PSC/DPS indicate a decision is anticipated Fall/Winter 2011. NYSERDA is making changes, applicable to this program, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.
Industrial and Process Efficiency	System Benefits Charge (SBC)	$40,000,000 through 12/31/11	Program provides performance-based incentives to manufacturers and data centers implementing energy efficiency and process improvements which will reduce operating costs.	Energy Research and Development Authority	Manufacturers and data centers paying into the System Benefits Charge (SBC) may apply. Visit http://www.nyserda.org/programs/Existing_Facilities/industrial.html or contact NYSERDA at IPEOutreach@nyserda.org or 1-866-NYSERDA for applications.	First-come, first-serve basis or until funds are fully committed. Program closes 11/30/11. Program continuance after 11/30/11 is contingent on future funding from the Energy Efficiency Portfolio Standard (EEPS) program. PSC/DPS indicate a decision is anticipated Fall 2011. NYSERDA is making changes, applicable to this program, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.
Workforce Development Programs	System Benefits Charge (SBC) Green Jobs Green New York (GJGNY)	Total Funding 2006-2012: $34,100,000 Funding 2006-2009: $19,500,000 Funding 2010-2012: $14,600,000 Current Funding Available: Approximately $7,000,000	EEPS Workforce Development: The EEPS is part of a statewide program to reduce New Yorkers' electricity usage 15% of forecast levels by the year 2015. WFD initiatives range from basic skills for disadvantaged workers through advanced technical training. Green Jobs Green NY (GJGNY) Workforce Development: Train for green job opportunities, including for emerging, unemployed and displaced workforce. GJGNY funds are used to supplement and leverage other funding sources such as SBC and EEPS.	Energy Research and Development Authority	Eligible applicants are training partners selected through both competitive and open enrollment processes. Various Program Opportunity Notices (PONs) will issued via www.nyserda.org.	Additional funding is contingent on funding from the Systems Benefits Charge and Energy Efficiency Portfolio Standard programs. PSC/DPS indicate a decision is anticipated Fall 2011. NYSERDA is making changes, applicable to this program, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.
Green Jobs Green New York Financing	Regional Greenhouse Gas Initiative	$51,000,000 revolving loan fund	Low interest financing is available to support eligible residential, multi-family, and small commercial energy efficiency projects.	Energy Research and Development Authority	Visit www.getenergysmart.org	
Renewable Portfolio Standard Main Tier Program	System Benefits Charge	Range: $82,118,000 (2011) - $236,902,000 (2015)	The RPS Main Tier addresses technologies that sell their electricity directly into othe NYISO spot market or through bilateral contract. It consists primarily of medium to large scale electric generation facilities that became commercially operational on or after 1/1/03.	Energy Research and Development Authority	NYSERDA uses a bidding process as a series of periodic competitive solicitations where many types of technologies compete against each other on the basis of price and incremental economic development contribution to the State.	
Multifamily Performance Program	System Benefits Charge (SBC) Regional Greenhouse Gas Initiative	$1,450,000	Program provides technical assistance and cash incentives to help multifamily buildings reduce annual energy use by 15% or more. In addition, building owners may elect to participate in the Master-Metered Electric Reduction Program or Geothermal Program.	Energy Research and Development Authority	Contact a participating Multifamily Performance Partner or visit www.getenergysmart.org	
Low Income Multifamily Performance Program	Energy Efficiency Portfolio Standard Regional Greenhouse Gas Initiative	$5,500,000	Program provides technical assistance and cash incentives to help multifamily buildings reduce annual energy use by 15% or more. In addition, building owners may elect to participate in the Master-Metered Electric Reduction Program or Geothermal Program.	Energy Research and Development Authority	Contact a participating Multifamily Performance Partner or visit www.getenergysmart.org	
EmPower	System Benefits Charge (SBC)	$4,450,000	Provides low-income residential customers cost-effective electric reduction measures, particularly lighting and refrigerator replacements, as well as other cost-effective home performance strategies and health and safety measures. There is no cost to income eligible customers that participate in this program.	Energy Research and Development Authority	Referral from utility.	

Program	Source	Amount	Description	Agency	Process	Comments
Home Performance with ENERGY STAR®	System Benefits Charge (SBC) Regional Greenhouse Gas Initiative	$3,000,000	This program brings a whole-house building performance approach to energy efficiency improvements for new and existing homes. The objective of the program is to reduce energy costs by providing affordable energy efficiency improvements for those that meet the income eligibility requirements. The program offers low-interest financing and other incentives.	Energy Research and Development Authority	Contact a participating BPI certified contractor or visit www.getenergysmart.org	
Assisted Home Performance with ENERGY STAR®	System Benefits Charge (SBC) Regional Greenhouse Gas Initiative	$4,150,000	This program brings a whole-house building performance approach to energy efficiency improvements for new and existing homes. The objective of the program is to reduce energy costs of low- and moderate-income households by providing affordable energy efficiency improvements for those that meet the income eligibility requirements. The program offers low-interest financing and other incentives.	Energy Research and Development Authority	Contact a participating BPI certified contractor or visit www.getenergysmart.org	
Power Supply and Delivery	System Benefits Charge (SBC)	$0	Three initiatives that focus on opportunities related to Smart Grid; clean power generation to further integrate renewable energy sources into the grid; and efficiency gains that can be achieved through combined heat and power.	Energy Research and Development Authority	Programs and budgets must be approved by the Public Service Commission.	Operating Plan including a budget of $35,000,000 per year must be approved by the Public Service Commisson.
Building Systems	System Benefits Charge (SBC)	$0	Two initiatives that focus on substantial opportunities to reduce energy use and improve energy performance in buildings through development and incorporation of innovative and efficient and practices, advanced energy codes and standards, and demands management systems.	Energy Research and Development Authority	Programs and budgets must be approved by the Public Service Commission.	Operating Plan including a budget of $18,600 per year must be approved by the Public Service Commisson.
Clean Energy Infrastructure	System Benefits Charge (SBC)	$0	Three initiatives that are "cross-cutting" and focus on marketing development strategies to accelerate the supply and demand of clean energy solutions, consumer education, workforce development, business growth in in the clean energy sector, and research and analysis of the environment effects of production and use of energy.	Energy Research and Development Authority	Programs and budgets must be approved by the Public Service Commission.	Operating Plan including a budget of $31,400,000 per year must be approved by the Public Service Commisson. NYSERDA is making changes, applicable to some of these programs, to its Operations and Procedures Manual to provide for consideration of recommendations of the Regional Economic Development Councils.
Customer Sited Tier - Solar Photovoltaic	Renewable Portfolio Standard (RPS)	$24,000,000 annually through 2015	An incentive program offered through an open enrollment solicitation, in form of a capacity buy-down, designed to grow the market for PV.	Energy Research and Development Authority	NYSERDA PON 2112 - Solar PV Program Financial Incentives	
Customer Sited Tier - Fuel Cells	Renewable Portfolio Standard (RPS)	$3,600,000 annually through 2015	Incentives are provided in the form of capacity buy-down and performance-based payments for commercially mature fuel cell modules (experimental fuel cells are supported through the System Benefits Charge).	Energy Research and Development Authority	NYSERDA PON 2157 Large Fuel Cell Program	
Customer Sited Tier - Anaerobic Digester	Renewable Portfolio Standard (RPS)	$13,300,000 (2011) to $10,200,000 (2015)	Provides capacity and performance incentives for ADG systems installed at farms treating manure and other agricultural waste product, wastewater treatment plants, and businesses that treat organic wastes.	Energy Research and Development Authority	NYSERDA PON 2138	
Customer Sited Tier - Small Wind (On Site Wind)	Renewable Portfolio Standard (RPS)	$2,800,000 (2011) to $4,000,000 (2015)	Program focuses on regular and predictable competitive solicitations. However, should such an approach inhibit growth in participation, an open-enrollment program component may also be used. System design and installation are subject to verification and inspection.	Energy Research and Development Authority	NYSERDA PON 2097	
Customer Sited Tier - Solar Thermal Energy	Renewable Portfolio Standard (RPS)	$4,300,000 annually through 2015	Provides capacity buy-down incentives for the installation of new Solar Thermal (ST) systems for the production of hot water to displace electrically heated hot water. System incentives are capped at $4,000 per site/meter for residential systems and $25,000 per site/meter for nonresidential applicants.	Energy Research and Development Authority	NYSERDA PON 2149	
Customer Sited Tier - Geographic Balancing	Renewable Portfolio Standard (RPS)	$30,000,000 annually through 2015 - $5,000,000 for Zones G & H and $25,000,000 for Zones I & J.	Plan for acquiring more renewable energy projects in the downstate regions of New York State. The PSC established a budget of up to $30 million annually through 2015 for solicitations for larger-scale solar photovoltaic, anaerobic digester and fuel cell projects in NYISO Zones G, H, I and J. For eligible projects over 50kW, up to $5 million would be available for Zones G & H (Lower Hudson Valley) and $25 million would be available for Zones I & J (Southern Westchester and NYC).	Energy Research and Development Authority	NYSERDA PON 2156	
WQI - NYC Watershed Protection Program	Federal - Safe Drinking Water	No new funding is available for competitive grants.	This is a federally funded grant program to support projects that protect water quality in the NYC drinking water supply watershed. Eligible entitities include agencies, municipalities, non-for-profit organizations.	Environmental Conservation, Department of	Competitive grant process announcements based on federal and state appropriations. Applications are continuously received and reviewed quaterly for approval.	DEC has currently allocated all available SDWA federal and state funds. Minimum grant award amount is $250,000.
Invasive Species Eradication Grants	Environmental Protection Fund (EPF)	No new funding is available for competitive grants.	The DEC implements two grant programs -- terrestrial and aquatic to support projects to eradicate invasive species. Eligible applicants are municipalities and not-for-profit organizations.	Environmental Conservation, Department of	Competitive grant process announced periodically based on EPF appropriations. Match requirement is 50%.	Terrestrial Grants - minimum award amount is $2,500 and maximum award amount is $100,000. Aquatic Grants - minimum award amount is $7,500

Program	Source	Amount	Description	Agency	Process	Comments
Environmental Justice Community Impact Grants	General Fund Aid to Localities	$1,470,000	This is a grant program for community-based not-for-profit organizations for projects addressing environmental burdens in low-income or minority neighborhoods.	Environmental Conservation, Department of	Competitive grant process announced periodically based on GF appropriation.	A Request for Application (RFA)-Round 4 is in final review stage and is expected to be complete in early June 2011. Maximum grant award is $50,000.
Great Lakes Protection Grants	Federal	No new funding is available for competitive grants.	This program, supported by the Great Lakes Protection Fund, supports projects by municipalities, not-for-project organizations, and academic institutions.	Environmental Conservation, Department of	Competitive grant process announced periodically based on available funds . This is funded by revenue received from Great Lakes Protection Fund	Minimum award $15,000; maximum award $100,000.
Landowner Incentive Program (LIP) for Management and protection of Bog Turtle habitat	Federal	Undetermined amount	This program, supported by the Federal State Wildlife Grant program, makes funding available on a competitive basis to private landowners having property located within defined NYS focus areas, for projects to manage bog turtle habitat.	Environmental Conservation, Department of	Competitive grant process periodically announced as funds are made available.	The Office of the State Comptroller is currently reviewing DEC's 2010 procurement record to award project funding totaling $120,000. Minimum award amount is $5,000; maximum award amount is $50,000.
Landowner Incentive Program (LIP) - Protection of Grassland Birds	Federal	Undetermined amount	This program, supported by the Federal State Wildlife Grant program, makes funds available on a competitive basis to private landowners having property located within defined NYS focus areas, for projects to protect habitats of grassland birds.	Environmental Conservation, Department of	Competitive grant process periodically announced as funds are made available.	Round 2 projects awarded in March 2011.
State Wildlife Grant Program (SWG)	Federal	No new funding is available for competitive grants.	This program, supported by the Federal State Wildlife Grant program, makes funds available on a competitive basis to municipalities, not-for-profit organizations, and state agencies, for projects to protect wildlife habitats.	Environmental Conservation, Department of	Competitive grant process periodically announced as funds are made available.	One round of grant funding was awarded in 2007. It's unlikley that any new grant procurements will continue. Minimum amount $50,000; maximum amount $150,000.
Adirondack Smart Growth Grant Program	Environmental Protection Fund (EPF)	No new funding is available for competitive grants.	This program provides grants for smart growth projects in municipalities in the Adirondacks. It is funded by the Environmental Protection Fund.	Environmental Conservation, Department of	Competitive grant program periodically announced. No matching funds are required.	DEC is currently reviewing Round 2 applications that were submitted by the March 18, 2011 application deadline. This program, funded by the EPF beginning in 2007, was shifted from DEC to DOS in 2009. As such, this is the final Adirondack SG grant program project solicitation. Local projects may request up to $40,000; regional projects may request up to $80,000; Park-wide projects may request up to $190,000; There is a total of $500,000 available for Round 2 projects.
Central Catskill Park/ Mountains Smart Growth Program	Environmental Protection Fund (EPF)	No new funding is available for competitive grants.	This program program provided grants for smart growth proejcts in municipalities in the Catskills. It is funded by the Environmental Protection Fund.	Environmental Conservation, Department of	Competitive grant program periodically announced. No matching funds are required.	This program, funded by the EPF, beginning in 2007, was shifted to DOS from DEC in 2009. As such, the Catskill SG grant program will likely not continue. Minimum grant amount $43,000; maximum amount $83,333.
Lake Ontario Sportfishing and Restoration Grants	Natural Resources Damages Account	No new funding is available for competitive grants.	This program is funded from Natural Resources Damages settlement claims for the Lake Ontario system. Funding must be used to restore/enhance the recreational fisheries.	Environmental Conservation, Department of	Competitive grant process through public participation and planning.	One round of funding was awarded in 2008. It is unlikely that any new projects will be competitively procured. No minimum or maximum grant award amount.
NYS Clean Air Grant Program	Federal	$60,000	This new grant program will provide assistance to municipalities for projects that help to eliminate open burning of residential waste which can result in serious health and safety hazards. This program will be funded from a federal clean air grant.	Environmental Conservation, Department of	New competitive grant program	Request for Application (RFA) is currently in draft format. Program plans to release RFA this Spring. No minimum amount; maximum amount $5,000.
Habitat Stamp	Conservation Fund - Habitat Account	No new funding is available for competitive grants.	This program, funded by the Habitat Account of the Conservation Fund, is available to municipalities, not-for-project organizations, and individuals sponsored by a municipality or not-for-profect, for projects to protect or enhance wildlife habitat.	Environmental Conservation, Department of	The first two project rounds were awarded on a competitive basis as funding became available.	Round 2 projects awarded in 2007. Future projects may be determined on a non-competitive basis.
Habitat Stamp		Minimum amount $1,500; maximum amount $15,000.	This program, funded by the Habitat Account of the Conservation Fund, is available to municipalities, not-for-project organizations, and individuals sponsored by a municipality or not-for-project, for projects to protect or enhance wildlife habitat.	Environmental Conservation, Department of	The first two project rounds were awarded on a competitive basis as funding became available.	Round 2 projects awarded in 2007. Future projects may be determined on a non-competitive basis.
NYS Clean Water State Revolving Fund	Federal Cap Grant/ New York State Match	Varies annually	Reduced interest rate loans (short and long term) and grants for eligible public point and non-point source water quality and wastewater infrastructure projects, as well as certain non-profit and private non-point source water quality projects.	Environmental Facilities Corporation	Obtain listing form and submit approvable engineering report to be included in annual Intended Use Plan and considered for funding.	Projects are scored according to published environmental quality and public health criteria and offered interest subsidy in rank order. Application assistance and cofunding coordination available.
NYS Clean Water State Revolving Fund-Green Innovation Grant Program	Federal Cap Grant/ New York State Match	Varies annually	Green Innovative Grants for construction and design of green projects that improve water quality and demonstrate sustainable infrastructure. Funding is available for non-point source and estuary projects and publicly owned point-source projects.	Environmental Facilities Corporation	Funding availability is announced via a Request for Proposals (RFP). Interested applicants must follow RFP guidelines.	Projects must comply with guidance from the US Environmental Protection Agency on Green Infrastructure, and score competitively based on the Request for Proposal (RFP).

Program	Source	Amount	Description	Agency	Process	Comments
NYS Clean Water State Revolving Fund	Federal Cap Grant/ NYS Match	Varies annually	Reduced interest rate loans (short and long term) and grants for eligible public and private drinking water infrastructure.	Environmental Facilities Corporation	Obtain listing form and submit approvable engineering report to be included in annual Intended Use Plan and considered for funding.	Projects are scored according to published public health criteria and offered interest subsidy in rank order. Application assistance and cofunding coordination available.
NYS Clean Water State Revolving Fund-Green Innovation Grant Program	Federal Cap Grant/ NYS Match	Varies annually	Green Innovation Grants for construction and design of green projects which implement green infrastructure, water or energy improvements or other environmentally innovative activities in connection with water supply facilities.	Environmental Facilities Corporation	Funding availability is announced via a Request for Proposals (RFP). Interested applicants must follow RFP guidelines.	Projects must comply with guidance from the US Environmental Protection Agency on Green Infrastructure, and score competitively based on the Request for Proposal (RFP).
Small Business Environmental Assistance Program	Title V air permit fees collected by DEC	Free compliance assistance	Free, confidential technical assistance to small businesses in New York State to help them comply with federal and state air emission requirements.	Environmental Facilities Corporation	Call the SBEAP hotline at 1-800-780-7227. For brief technical fact sheets that summarize requirements and technical tips, listed by business sector and process, visit: www.efc.ny.gov/OtherPrograms/SmallBusinessEnvironmentalAssistanceProgram.aspx	
Clean Vessel Assistance Program	Federal Grant	Up to $60,000 for installing or upgrading a pumpout boat and up to $35,000 for installing or upgrading a stationary pumpout; up to 75% of eligible project costs.	Grants to marinas for the installation, renovation, and replacement of pumpout facilities for the removal and disposal of recreational boater septic waste. Additional grants are available for the operation and maintenance of pumpout facilities, as well as educational projects that address the benefits, use, and availability of pumpout stations.	Environmental Facilities Corporation	To obtain an application for funding, call EFC or visit: www.efc.ny.gov/OtherPrograms/CleanVesselAssistanceProgram.aspx	
Industrial Finance Program	IFP Bond Proceeds	Varies annually depending on availability of volume cap.	Program for the issuance of tax-exempt private activity bonds for NYS businesses undertaking eligible projects. Statewide jurisdiction.	Environmental Facilities Corporation	To obtain an application, call EFC or visit: www.nysefc.org/OtherPrograms/IndustrialFinanceProgram.aspx	
Stem Cell Research (DOH's Wadsworth Center)	State	To date, $248,500,000 has been allocated for stem cell research. Pending DOB approval, $43.675 million may be available for stem cell research investment in State Fiscal Year 2011-2012. In addition, it is anticipated that three additional Requests for Applications, totaling $105 million in potential awards, will be released this year. These contracts would potentially begin in late 2012 and early 2013.	Funding is allocated for research through Requests for Applications, with awards, to date, to 194 scientific investigators at 36 institutions throughout New York State.	Health, Department of	Requests for Applications released as funding becomes available.	
Breast Cancer Research (DOH's Wadsworth Center)	State	Currently, $1,013,000 is being utilized for ongoing contracts from State Fiscal Year 2009-2010. It's anticipated that $3,150,000 will be available for State Fiscal Year 2012-2013.	The New York State Health Research Science Board has supported breast cancer research studies and education projects since 1996.	Health, Department of	Requests for Applications released as funding becomes available.	**Please note: No funding for breast cancer research was included in the 2011-2012 State Budget and no new awards will be given out in 2011-2012.

Program	Source	Amount	Description	Agency	Process	Comments
New York State Transportation Management Initiative (DOH's Office of Health Insurance Programs)	State	$10,000,000 for State Fiscal Year 2011-2012	State procured Medicaid transportation managers for 13 Hudson Valley Counties and NYC - with rolled out expansion to other areas of the State. The 13 Hudson Valley counties include: Albany, Columbia, Fulton, Greene, Orange, Montgomery, Putnam, Rockland, Sullivan, Ulster, Warren, Washington, and Westchester.	Health, Department of	Regional transportation managers will achieve Medicaid savings, improve service quality , and relieve counties of a burdensome administrative mandate.	2010-11 Budget amended SSL 365-h to give the Commissioner of Health authority to take over county Medicaid transportation management functions - and to hire transportation management contractors at the Commissioner's discretion. **Please note: The initiatives for the 13 counties and New York City have not started yet.
Public Health Insurance Enrollment Center (DOH's Office of Health Insurance Programs)	State	Approximately $40,000,000 for State Fiscal Year 2011-2012	Consolidated call center and public program renewal center.	Health, Department of	State contract authorizes an Enrollment Center to create greater efficiency and service for the call center and renewals for Medicaid, Family Health Plus, and Child Health Plus.	The call center must be located in New York State. Approximately 300 jobs will be created as a result of the call center.
New York State Health Information Technology and Health Information Exchange Initiative (DOH's Office of Health Information Technology Transformation)	Federal, State, and Private Sector	Since 2004, more than $840 million in federal, state, and private sector funding.	More than $840 million in federal, state, and private sector funding has been allocated toward New York State's efforts to harness health information technology (IT) and health information exchange (HIE) to improve the effectiveness and efficiency of health care delivery in New York State.	Health, Department of	State funding is distributed through Health Care Efficiency and Affordability Law for New Yorkers, or HEAL NY investments. HEAL NY grants 1, 5, 10 and 17 were dedicated to health IT and HIE projects across the state.	
New York State's Medicaid Electronic Health Record Initiative (Office of Health Insurance Programs)	Federal and State	An estimated total of $1,155,900,000 for eligible professionals and hospitals over a number of years	The American Recovery and Reinvestment Act of 2009 ("the Recovery Act") establishes a Medicaid Electronic Health Record (EHR) Incentive Program to provide financial incentives to health care providers who adopt and become meaningful users of electronic health records. The Recovery Act amends the Medicaid statute to provide for a 100 percent federal financial participation (FFP) match for State expenditures for provider incentive payments to encourage Medicaid health care providers to purchase, implement, and operate certified EHR technology.	Health, Department of	The Recovery Act amends the Medicaid statute to provide for a 100 percent federal financial participation (FFP) match for State expenditures for provider incentive payments to encourage Medicaid health care providers to purchase, implement, and operate certified EHR technology. Under the terms of the Recovery Act and subsequent federal rulemaking, eligible professionals (including physicians, nurse practitioners, certified nurse-midwives, dentists, and some physician assistants) may be eligible to receive up to $63,750 in incentive payments over six years (including $21,250 in the first year) when they adopt, implement, upgrade, or meaningfully use certified EHR technology. Eligible hospitals (including acute care and children's hospitals), who likewise adopt, implement, upgrade, or meaningfully use certified EHR technology, may be eligible to receive incentive payments over a three-year period based on a payment formula that begins at $2 million and adjusts based on number of discharges, amount of charity care, and the proportion of bed days attributable to Medicaid beneficiaries.	This is a preliminary estimate of the total value of the incentive payments that may be received by New York State participants over the course of the Medicaid EHR Incentive Program. Please visit http://www.nyhealth.gov/regulations/arra/department_of_health_programs.htm for additional information about this initiative. ***Please note: There is a parallel EHR incentive program for physicians and hospitals through Medicare. Physicians will need to select Medicare or Medicaid (they cannot do both), but most hospitals will be able to participate in both incentive programs. Both the Medicare and Medicaid incentive funds will be flowing into New York State. The Medicare program is run directly by the Centers for Medicare and Medicaid Services.
Hazard Mitigation Grant Programs (HMGP)	Federal 75% (The State or grantee must provide a 25% match)	$332,764,000	To prevent future losses of lives and property due to natural disasters and to enable mitigation measures to be implemented during the immediate recovery from a disaster.	Homeland Security and Emergency Services, Division of/Emergency Management, Office of	HMGP is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. Federal funds are made available through the Department of Homeland Security/ Federal Emergency Management Agency direct to NYSOEM.	2011-12 Executive Budget includes the $300 million reappropriation of the laws of 2009; the $300 million reappropriation of the laws of 2007 and the $5 billion reappropriation of the laws of 2001.
Public Assistance Program (PA)	Federal 75% (The State and local gov't must provide a 25% match)	$5,438,097,009	To provide supplemental reimbursement for the repair or restoration of the infrastructure and facilities to pre-disaster condition after the declaration of a major disaster.	Homeland Security and Emergency Services, Division of/Emergency Management, Office of	PA is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. Federal funds are made available through the Department of Homeland Security/ Federal Emergency Management Agency direct to NYSOEM.	2011-12 Executive Budget includes the $300 million reappropriation of the laws of 2009; the $300 million reappropriation of the laws of 2007 and the $5 billion reappropriation of the laws of 2001.
Access to Home	State	$4,000,000	Provides funds to homeowners and rental property owners to make housing accessible for low and moderate income persons with disabilities. The assistance is typically structured as a forgivable zero percent interest loan.	Homes and Community Renewal	Municipalities and Not for profits apply for funding once per year in a competitive Unified Funding RFP.	It is anticipated that the availability of approximately $ 4 million in Access to Home funds will be announced in early 2012.
RESTORE	State	$2,000,000	Provides funds to pay for emergency repairs to eliminate hazardous conditions in homes owned by the elderly who are unable to afford to make repairs. Home-owners must be 60 years of age or older, low income, and live in a 1-4 family house.	Homes and Community Renewal	Municipalities and not for profits apply for funding once per year in a competitive Unified Funding RFP.	It is anticipated that the availability of approximately $ 2 million in New York Main Street funds will be announced in early 2012.

Program	Source	Amount	Description	Agency	Process	Comments
Affordable Housing Corporation	State	$25,000,000	AHC is a statutorily created subsidiary which supports homeownership opportunities for low and moderate income families by providing grants to municipalities and not-for-profit organizations to assist in the costs of home improvements, the rehabilitation of existing housing and the new construction of homes for homebuyers.	Homes and Community Renewal	Municipalities and Not for profits apply for funding once per year in a competitive Unified Funding RFP.	It is anticipated that the availability of approximately $25 million in Affordable Housing Corporation Affordable Home Ownership Development Program funds will be announced in early 2012.
Neighborhood/ Rural Preservation Program	State	$12,018,000	Provides funds for staff and overhead for local, community-based not for profits to provide housing and community services.	Homes and Community Renewal	Funding provided annually to selected groups based on state budget appropriation.	
New York Main Street Program	State	$5,000,000	Provides funding for interior building renovations and façade improvements to mixed use buildings, and allows streetscape enhancements as an ancillary activity.	Homes and Community Renewal	Municipalities and not for profits apply for funding once per year in a competitive Unified Funding RFP.	It is anticipated that the availability of approximately $5 million in New York Main Street funds will be announced in early 2012.
Community Development Block Grant	Federal - HUD	$44,000,000	NYS receives a federal CDBG allocation to assist eligible non-entitlement cities, towns and villages to develop viable communities by providing funding for affordable housing, public infrastructure and facilities, economic development and planning; all of which principally benefits persons of low and moderate income.	Homes and Community Renewal	Cities, towns and villages with populations under 50,000 and counties with populations under 200,000 can apply for funds once per year in a competitive RFP and on a year-round basis for economic development projects.	Pending federal approval, it is anticipated that the availability of approximately $40 million in Community Development Block Grant funds will be announced in early 2012.
HOME Investment Partnership Program	Federal - HUD	$38,871,000	NYS receives a federal HOME allocation to assist in the expansion of the supply of affordable housing across the State. The HOME program funds a variety of affordable housing activities including new construction, rehabilitation/preservation, home improvement, home buyer assistance and tenant-based rental assistance.	Homes and Community Renewal	Municipalities and Not for profits apply for funding once per year in a competitive Unified Funding RFP.	Pending federal approval, it is anticipated that the availability of approximately $30 million in Home Investment partnership Program funds will be announced in early 2012.
Foreclosure Prevention Program	Federal ARRA and State	$0	HCR designed and implemented New York's Subprime Foreclosure Prevention Program to help housing agencies, counselors, and legal service providers across the state meet the needs of families at risk of foreclosure. Awards provide training to counselors and attorneys, and have provided quality, no cost counseling to nearly 14,000 homeowners facing possible foreclosure.	Homes and Community Renewal	A network of not-for-profit housing counseling and legal service agencies selected through a competitive RFP provide foreclosure prevention services to homeowners in New York State.	No new funding budgeted at present
Housing Trust Fund	State	$29,000,000	Created by State law, the HTF is governed by the Housing Trust Fund Corporation (HTFC), which acts under the direction of a Board of Directors chaired by the Commissioner of HCR. HTF provides funding to eligible applicants to construct and rehabilitate/preserve rental housing (predominately) which is reserved for households earning 80 percent or less of area median income.	Homes and Community Renewal	Private and not for profit developers apply for funding once per year in a competitive Unified Funding RFP. Seed money applications to fund pre-development costs are also available to not-for-profit developers on an ongoing basis.	The 2011 deadline for submitting applications was in February. Over 100 applications for Unified Funding capital projects are presently under review. It is not anticipated that new applications will be accepted this year. The RFP for 2012 will be released this fall.
Low Income Housing Tax Credit (9%)	Federal Tax Code	$40,900,000	New York receives an annual allotment on a per capita basis each year of Low-Income Housing Tax Credit (LIHTC) from the Internal Revenue Service. HCR allocates tax credits to developers of affordable rental housing based upon the dollar amount of rental housing they create or preserve through new construction, rehabilitation and/or acquisition. These developers sell the credits to investors who provide equity to the project in exchange for 10 years of tax credits to be applied against their federal tax liability. Nine percent credits are available to developments that are not federally subsidized.	Homes and Community Renewal	Private and not for profit developers apply for 9% credit once per year in a competitive Unified Funding RFP. Selections are made based on eligibility requirements, scoring and other State housing goals and priorities referenced in the State's Qualified Allocation Plan (QAP) which serves as the program's regulations, Notice of Credit Availability (NOCA) and RFP .	The 2011 deadline for submitting applications was in February. Over 100 applications for Unified Funding capital projects are presently under review. It is not anticipated that new applications will be accepted this year. The RFP for 2012 will be released this fall.
State Low Income Housing Tax Credit	State	$4,000,000	New York State low-income housing tax credits work similar LIHTC by supporting creation and rehabilitation/preservation of rental housing) except they are a tax credit against New York State tax liability (not federal). In addition, the state tax credits are generated on units rented to households earning up to 90 percent of area median income, as opposed to 60 percent of area median income for the federal LIHC.	Homes and Community Renewal	Private and Not for profit developers can apply for State Credit (SLIHC) on an ongoing basis.	Applications are currently being accepted on an open window basis; HCR is currently reviewing applications requesting more than $12 million submitted pursuant to the unified funding round and the open window application process.
Urban Initiatives	State	$0	Provides financial resources to not-for-profit organizations for the rehabilitation/preservation of housing and community facilities in neighborhoods or municipalities with a population of more than 25,000 that will serve those earning 80 percent or less of the area median income.	Homes and Community Renewal	Not for profit developers can apply for funding on an ongoing basis.	No new funding budgeted at present
Rural Area Revitalization Program (RARP)	State	$0	Provides financial resources to not-for-profit organizations for the rehabilitation/preservation of housing and community facilities in rural communities (towns and villages with a population of less than 25,000) that will generally serve those earning 90 percent or less of the area median.	Homes and Community Renewal	Not for profit developers can apply for funding on an ongoing basis.	No new funding budgeted at present

Program	Source	Amount	Description	Agency	Process	Comments
SONYMA Homebuyer Mortgage Loans	Federal Tax Code	$0	This funding uses the proceeds from the sale of private activity bonds to purchase loans from participating lenders and offer low interest fixed-rate 30 or 40 year mortgages to income qualified borrowers. SONYMA also provides down payment assistance and other programs specifically designed to help low- and moderate-income families become homeowners. SONYMA has specific programs for the following groups: low-income households, military veterans, developmentally disabled individuals or their families, properties built by Habitat for Humanity, properties built to New York ENERGY-STAR Labeled Homes standards, and properties in need of renovation.	Homes and Community Renewal	Individual borrowers apply for a mortgage through member banks and lenders. The closed mortgages are sold to SONYMA.	
SONYMA Mortgage Insurance		$0	Affiliated with State of New York Mortgage Agency (SONYMA), MIF provides permanent mortgage insurance for multi-family rental projects, as well as pool insurance for single-family homeowner mortgages. By providing such insurance, the MIF reduces the financing costs associated with the provision of rental and owner occupied housing.	Homes and Community Renewal	Lenders apply to the MIF for mortgage insurance on permanent loans on an ongoing basis. The MIF issues commitments to insure. Insurance becomes effective when the projects achieve minimum thresholds for occupancy, income to expense, etc.	
Multifamily Bond Financing	Federal Tax Code	$0	Uses the proceeds of the sale of private activity or 501(c)(3) bonds to fund the new construction or preservation of partially or fully affordable rental housing. This includes Mitchell Lama Rehabilitation and Preservation, 80/20 New Construction, and 501(c)(3) financing programs.	Homes and Community Renewal	Not-for-profit and private developers apply to HFA on an ongoing basis.	
Low Income Housing Tax Credit (4%)	Federal Tax Code	$0	See Multifamily Bond Financing. 4 percent "as-of-right" credits are available to developments that are financed using tax exempt bond financing.	Homes and Community Renewal	Private and Not for profit developers can apply for Bonds and 4% Credits on an ongoing basis.	
Taxable Mortgage Initiative		$0	HCR originates a mortgage and note which are assigned to an acceptable construction lender. Upon construction completion and stabilization the construction lender assigns the loan to a permanent lender acceptable to the Agency. The New York State Common Retirement System and the New York City Employee Retirement System have been the most active TMI permanent lenders to date. The SONYMA Mortgage Insurance Fund provides permanent mortgage insurance to TMI participating lenders.	Homes and Community Renewal	A mortgage is issued to not-for-profit or private developers to cover construction costs, and permanent financing.	
Second Mortgage Subsidy Loans		$0	A limited amount of gap funds is available, if needed, for fully affordable rental developments that receive construction or permanent financing from HCR.	Homes and Community Renewal	Not-for-profit and private developers demonstrate a gap in their financing, and request funds to complete the deal.	
Homes for Working Families	State	$7,000,000	Supports the creation and rehabilitation/preservation of affordable rental housing by providing sponsors with 30-year, 1 percent interest loans which are typically used in conjunction with tax-exempt financing from HCR and 4% "as-of-right" credit.	Homes and Community Renewal	Not-for-profit and private developers demonstrate a gap in their financing, and request funds to complete the deal.	
Manufactured Home Cooperative Fund Program	State	No Current Appropriations	Provides loans from a revolving loan fund to finance manufactured home park residents purchasing the land under their homes and to make infrastructure improvements to parks owned by the residents. Program also provides Technical Assistance to the residents.	Homes and Community Renewal	Manufactured Home Park Residents, not for profits and municipalities can apply for financing and technical assistance on an ongoing basis.	Revolving loan fund currently contains approximately $12,000,000 dollars.
Infrastructure Development Demonstration Program	State	No Current Appropriations	IDDP funds "piggyback" on funding from other government programs to provide up to $5,000 per unit to pay for infrastructure. At least 75% of the funds must be spent in communities with populations below 30,000.	Homes and Community Renewal	Applications by not for profits, public benefit corporations and municipalities may be submitted on an ongoing basis.	Received $5,000,000 appropriation in FY 2008-2009. Essentially all of it is committed through MOUs delegating funds to HTFC & HHAC — about 300,000 is uncommitted.
Small Owners Assistance Program Landlord One	State	No Current Appropriations	Provides subsidies to reduce interest rates to 1% on privately funded loans to repair 5-20 unit buildings in New York City. Maximum loan is $20,000.	Homes and Community Renewal	Applications may be submitted on an ongoing basis.	Administration of Program is delegated to Neighborhood Housing Services of New York City
Neighborhood Stabilization Program	Federal	$0	NSP seeks to restore affordable occupancy (ownership and rental) to foreclosed, abandoned, and vacant properties in severely affected neighborhoods. Grants, made to local governments and nonprofits, fund acquisition, rehab, new construction, limited demolition, and land banking initiatives. Projects must serve low, moderate, and middle income households up to 120% of AMI.	Homes and Community Renewal	$54.5 million has already been awarded through a competitive RFP. $5 million is available under the current funding round, also through an RFP.	Appropriation was $59,500,000. No additional funding is budgeted at present.
Housing Development Fund	State	$3,000,000 (approx)	Provides loans to nonprofit organizations to develop low-income housing projects and farmworker housing projects. HDF loans may be used for pre-development costs, site acquisition, construction/ rehabilitation financing, and other mortgageable project development costs. HDF loans have recently been used to provide construction financing for HOME-funded projects and to provide short term financing repaid from investor equities in low-income housing credit projects.	Homes and Community Renewal	Not for profit developers can apply on an ongoing basis.	Appropriated for $8 million next year. While portion of cash balance of fund is committed for farmworker housing at this time, a portion of the appropriation is available for new projects.

Program	Source	Amount	Description	Agency	Process	Comments
Sustainable Neighborhoods Initiative	State	$0	This is a special initiative utilizing existing Housing Trust Fund and Affordable Housing Corp. funds to creates new, affordable, high quality homeownership opportunities by rehabilitating vacant and abandoned buildings and making them available to first-time homebuyers.	Homes and Community Renewal	HCR identified four neighborhoods based on a Request for Proposals.	Appropriation was $1,070,000. No additional funding is being released at the present time.
Greenway Communities Grant/Program	State	$136,000	The Greenway is designed to encourage Hudson River Valley communities to develop projects and initiatives related to the criteria of natural and cultural resource protection, regional and local planning, economic development, public access to the Hudson River (as well as other regional and local resources), and heritage and environmental education. 269 out of the 324 eligible municipalities within the Greenway area have passed a resolution in support of the voluntary balanced approach of the Greenway Criteria. The Greenway provides technical and financial assistance to communities through the Greenway Communities Grant program.	Hudson River Valley Greenway	Local governments are required to make a formal commitment by passing a resolution to adhere to Greenway program criteria. Proposals that involve cooperative efforts among communities are given priority (regional theme). Applications are accepted throughout the year. Planning and research grants from $5,000 up to $10,000 are available for any single community applicant. Awards over $10,000 may be made for inter-municipal projects. There is a 50% matching requirement which can be satisfied through in-kind services, cash, or other funds secured for the overall project.	Local governments are eligible: (1) if located in the legislatively defined Greenway Area of New York State and (2) the local government must pass a resolution supporting the five Greenway Criteria and the voluntary process for the creation of a regional Greenway Compact plan.
Greenway Compact Grant/Program	State	$70,000	The Greenway Compact program takes community planning one step further through a coordinated process for voluntary cooperation in support of the five Greenway Criteria. The Compact process is voluntary and occurs on the county level through the development of a county-wide regional plan, or "Compact." Municipalities can choose to "opt-in" to the Compact by incorporating it in their local zoning ordinance. Planning grants are offered to participants that are counties, cities, towns and villages in the Hudson River valley and that voluntarily form regional compacts with other governments for agreement on natural and cultural resource protection which include specific attention to economic development features.	Hudson River Valley Greenway	Same as above plus local governments must be located in an area with an approved Greenway Compact plan and must have passed a local law incorporating the plan into local zoning and subdivision regulation.	A 5% bonus on certain other state is given for communities that have adopted the Greenway Compact.
Greenway Conservancy for the Hudson River Valley Small Grant Program	Multiple sources	$50,000	Participants must be Hudson River Valley local governments or not-for-profits that are seeking funding for site-specific trail planning, regional trail planning, construction, amenities, interpretation or promotion. One of the Greenway Conservancy's primary functions as set forth in the Greenway Act is to establish a Hudson River Valley Greenway Trail system, that links cultural and historic sites, parks, open spaces and community centers, and provides public access to the Hudson River. This program provides small grants to advance those goals.	Hudson River Valley Greenway	Planning and research grants up to $10,000 are available. Awards over $10,000 may be made for inter-municipal or multiple partner projects. There is a 50% matching requirement which can be satisfied through in-kind services, cash, or other funds secured for the overall project.	Projects are eligible if located in the legislatively defined Greenway Area of New York State. Applicants for trail projects must designate their trail as part of the Hudson River Valley Greenway Trail system. In doing so, designees agree to provide public access and maintain the trail in good condition.
The Hudson River Greenway Water Trail Program	State	$200,000 (estimated)	This program provides financial and technical assistance to municipal, not for profits, and public agency site owners to help complete the Hudson River Greenway Water Trail. The Hudson River Greenway Water Trail is a series of nearly 100 access points, day use sites and campsites along 256 miles of the Hudson River and Champlain Canal between Hadley and Whitehall in the north and Manhattan to the south. The goals of the program are to provide launches on both sides of the Hudson River Estuary every ten miles or less and, above the Troy dam, every ten miles or less on at least one side of the river; provide campsites or other overnight accommodations every 15 miles or less; promote and market the Hudson River Greenway Water Trail to local, national and international audiences; promote the safe use of the Hudson River by all boaters.	Hudson River Valley Greenway	There is a 50% matching requirement which can be satisfied through in-kind services, cash, or other funds secured for the overall project. Consideration of economic development issues is required as a condition for project funding.	Eligible applicants include municipalities, not for profit organizations, government agencies owning land located along the Hudson River or Champlain Canal. If projects are for access or amenities for paddlers, applicants must agree to designate their site as a part of the Hudson River Greenway Water Trail and to provide public access.
Hudson River Valley National Heritage Area Program	Federal, Foundation, Donations	Federal-524, Other sources vary	Through a partnership with the National Park Service, Hudson River Valley National Heritage Area collaborates with residents, communities government agencies, non-profit groups and private partners to interpret, preserve and celebrate the nationally-significant cultural and natural resources of the Hudson River Valley. In this way, we encourage public stewardship for these resources as well as economic activity at the local and regional level.	Hudson River Valley Greenway	The Heritage Area sponsors various heritage related events and celebrations throughout the Hudson River Valley and partners with various groups on projects related to interpretation and heritage tourism.	

Program	Source	Amount	Description	Agency	Process	Comments
Federal - Workforce Investment Act - Adult Program	Federal	$0	Employment and Training Services for Adults age 18 and up.	Labor, Department of	85% of the funding is mandated in federal law to be distributed to the 33 local Workforce Investment Areas for specific purposes as directed by in federal law. Up to 5% of the funding is held by the state for federally mandated administration and operations. At least 10% is used for statewide activities as per the terms of the federal grant to be used for technical assistance, One-Stop system building, and incentive grants.	Estimated $51.332* million *Funding estimated for Program Year (PY) 2011 is based on national appropriations consistent with the FY 2010 federal budget; however, federal legislation has been proposed to eliminate this program.
Federal - Workforce Investment Act - Youth Program	Federal	$0	Employment and Training Services for Youth ages 14-21.	Labor, Department of	85% of the funding is mandated in federal law to be distributed to the 33 local Workforce Investment Areas for specific purposes as directed by in federal law. Up to 5% of the funding is held by the state for federally mandated administration and operations. At least 10% is used for statewide activities as per the terms of the federal grant to be used for technical assistance, One-Stop system building, and incentive grants.	Estimated $51.750* million *Funding estimated for PY 2011 is based on national appropriations consistent with the FY 2010 federal budget; however, federal legislation has been proposed to eliminate this program.
Federal - Workforce Investment Act - Dislocated Worker Program	Federal	$0	Employment and Training Services for Dislocated Workers.	Labor, Department of	60% of the funding is mandated in federal law to be distributed to the 33 local Workforce Investment Areas for specific purposes as directed by in federal law. 25% of the funding is reserved for rapid response activities. Up to 5% of the funding is held by the state for federally mandated administration and operations. At least 10% is used for statewide activities as per the terms of the federal grant to be used for technical assistance, One-Stop system building, and incentive grants.	Estimated $62.218* million *Funding estimated for PY 2011 is based on national appropriations consistent with the FY 2010 federal budget; however, federal legislation has been proposed to eliminate this program.
Federal - Workforce Investment Act - DW National Emergency Grants - OJT	Federal	$0	On-the-Job Training (OJT) National Emergency Grant (NEG) wage reimbursements for employers that hire dislocated workers.	Labor, Department of	Funding provided to the 33 local workforce investment areas to fund OJTs in accordance with the terms of the federal National Emergency Grant.	Estimated $3.426 million. Recovery Act (ARRA) funds awarded June 2010, lapse June 2012.
Federal - Employment Service (Wagner-Peyser)	Federal	$0	Employment and Labor Exchange Services for Job Seekers and Employers.	Labor, Department of	Funding used for state staff to carry out terms of the federal grant providing employment and job training services.	Estimated $40.125* million *No funding available for local assistance. Funding limited by federal law to state staff. Funding estimated for PY 2011 based on national appropriations consistent with the FY 2010 federal budget.
State - Re-employment Services Program	State	$0	Re-employment services for UI claimants.	Labor, Department of	Funding used for state staff to provide re-employment services to UI claimants in accordance with state labor law.	$35 million. No funding available for local assistance. Funding is from NYS employers' UI contributions and the re-employment services fund is capped at $35 million annually.
Federal - Work Opportunity Tax Credit (WOTC)	Federal	$0	Provides state administration funding to process tax credits for employers that hire targeted groups including TANF recipients, ex-offenders, unemployed veterans, and disconnected youth.	Labor, Department of	Funding used for state staff to carry out terms of the federal grant which require that State's conduct oversight visits, provide technical assistance verification and reporting activities on specific targeted groups.	Estimated $.935 million, however no funding is available for local assistance. Funding for FY 2010 as FY 2011 federal budget not enacted.
State - Workers with Disabilities Employment Tax Credit (WETC)	State	$0	Provides state administration funding to process tax credits of up to $2,100 for employers that hire individuals with disabilities.	Labor, Department of	Funding used for state staff to carry out terms of the federal grant to assist individuals with disabilities in overcoming barriers to employment.	$.333 million No funding available for local assistance. Funding provided to DOL under a MOU with VESID and CBVH.
Federal - Foreign Labor Certification	Federal	$0	Provides state administration funding to process foreign labor certifications for agricultural and non-agricultural workers.	Labor, Department of	Funding used for state staff to carry out terms of the federal grant providing data on foreign labor certification workload and conducting housing inspections.	Estimated $1.509 million No funding available for local assistance. Funding for FY 2010 as FY 2011 federal budget not enacted.
Federal – Trade Assistance Act (TAA)	Federal	$0	Provides training, case management services, and state level administration for workers impacted by foreign trade.	Labor, Department of	$850,788 of funding used for state staff to carry out required terms of the federal grant. Remaining $3,338,590 provided to the local level to fund training for participants.	Estimated $4.189 million Based on FY 2011 Initial Allocation provided 1/25/2011.

Program	Source	Amount	Description	Agency	Process	Comments
Federal - Jobs for Veterans State Grant	Federal	$0	Funds are used to serve veterans, other eligible persons, transitioning service members, and their spouses exclusively. NYSDOL FFY2011 funding of $7,994,000 supports two principal positions: 43 Disabled Veterans' Outreach Program Specialists (DVOPs) and 29 Local Veterans' Employment Representatives (LVERs).	Labor, Department of	Funding is received through a five-year non-competitive grant (funding is allocated annually) from the USDOL, Veterans' Employment and Training Service. Funds are allocated to State Workforce Agencies in direct proportion to the number of veterans seeking employment within their state.	Estimated $7.915 million No funding available for local assistance. The proposed FFY2012 budget includes a national appropriation of $165.4 million. We expect the NYSDOL JVSG will be approx. the same ($7,915,000).
State - Apprenticeship Training	Federal	$0	Funding supports NYDOL staff to oversee a statewide apprenticeship system operated by employers, their associations, and join labor-management committees. NYSDOL certifies registered apprenticeship programs in more than 300 occupations that range from both traditional and non-traditional trades.	Labor, Department of	Funding is appropriated annually in NYSDOL's budget for the Apprenticeship Training Program from the 482 Interest and Penalty Fund.	Estimated $2.870 million 2011-12 Executive Budget includes an appropriation from the 482 fund to support this program.
Federal – Re-employment Eligibility Assessment	Federal	$0	Provides funding to conduct job search and training services to a targeted UI claimant population.	Labor, Department of	Funding supports staff who provide reemployment services to targeted UI claimant population.	Estimated $7.848 million Based on FY 2010 funding.
Federal - Disability Employment Initiative	Federal	$0	Funding supports local area disability resource coordinator staff.	Labor, Department of	Three-year grant, which provides funding to support staff who provide services to those with disabilities.	Estimated $4.945 million Based on PY10 funding
Long Island Electric Rate Incentives	Long Island Power Authority	Approximately 12 - 15% of eligible load.	Provides electric rate discounts to qualified commercial and industrial customers for eligible attraction/expansion projects. Rate discounts are designed to stimulate investment and the creation of new jobs in the LIPA service territory.	Long Island Power Authority	Work with LIPA Economic Development prior to expansion or purchase of facility or equipment.	
LIPA Commercial Efficiency Program Prescriptive Approach	Long Island Power Authority	Up to $100,000 / project and $300,000 / customer	Financial incentives are available to developers and building owners who agree to specify and install pre-qualified energy efficient equipment in existing buildings undergoing renovation, and/or new buildings in early stages of construction.	Long Island Power Authority	Work with LIPA Energy Efficiency Program.	
LIPA Commercial Efficiency Program Custom Approach	Long Island Power Authority	Up to $200,000/ building with a max of $600,000 per customer/ year	Financial incentives are available for more complex energy-saving measures and provide flexibility for customers to choose unique measures that are not indicated on the prescriptive list.	Long Island Power Authority	Work with LIPA Energy Efficiency Program.	Participant agrees that LIPA obtains and/or retains ownership of all rights to existing and future emissions credits.
LIPA Commercial Efficiency Program New Construction Projects	Long Island Power Authority	Up to $400,000 per building ($500,000 for LEED Certified Green) and $800,000 maximum in any calendar year.	Building owners and designers can pursue options that fully integrate building envelope and operating systems to produce a building as energy efficient as current technology and design allows.	Long Island Power Authority	Work with LIPA Energy Efficiency Program.	New construction projects, including commercial, industrial, institutional or governmental facilities including office buildings, supermarkets, manufacturing facilities, schools, shopping malls, restaurants, hotels etc; projects for buildings with more than 25,000 square feet.
LIPA Commercial Efficiency Program Building Commissioning Incentives	Long Island Power Authority	Up to $50,000 per building, $100,000 for a LEED green building.	Projects that are receiving funding under any part of the Commercial Efficiency Program may be eligible for cost sharing for building commissioning services through one of its Technical Assistants. The amount of co-funding is based on the particular project.	Long Island Power Authority	Work with LIPA Energy Efficiency Program.	Eligibility is determined on a case by case basis. Projects receiving funding under the Commercial Efficiency Program whose incentives are expected to exceed $50,000.
Light Solutions Program	Long Island Power Authority	Varies	Provides a full service package for lighting needs of business customers. Includes equipment, installation on a utility pole, energy and maintenance and one monthly fee.	Long Island Power Authority		
LIPA Renewable Energy Program - Wind	Long Island Power Authority	Up to $135,000	To provide the business with the opportunity to utilize renewable energy to self generate wind power.	Long Island Power Authority		
LIPA Renewable Energy Program - Solar	Long Island Power Authority	Up to $87,500	To provide the business with the opportunity to utilize renewable energy to self generate solar power.	Long Island Power Authority		
New York National Guard Recruitment Incentive and Retention Programs	State	$1,190,000	The New York National Guard has formed a partnership with the State Universities of New York (SUNY) and City Universities of New York (CUNY) in developing tuition programs that assist our Service Members. Many of our Service Members are currently involved in the Recruitment Incentive and Retention Program (RIRP) which allows them free tuition at any SUNY or CUNY school. Service Members have increased their employability through furthering education.	Military and Naval Affairs, Division of	Funds are allocated to New York National Guard Service Members based on specific qualifications and application submission.	Recruitment Incentive and Rentention Program is also available to Active Reverve members of the Naval Militia.
New York National Guard Participation in the Federal Tuition Assistance	Federal	$1,116,000	New York Army National Guard can also benefit from federal tuition assistance. This year alone, (August 2010 to current date) of our National Guard Soldiers and Airmen have been reimbursed $1,116,140.00 in Federal Tuition. Service Members have increased their employability through furthering their education.	Military and Naval Affairs, Division of	Funds are allocated to the New York National Guard Education Office based on the number of Service Members who have applied and qualified for the program. These monies are paid directly to the school.	

Program	Source	Amount	Description	Agency	Process	Comments
New York National Guard participation in the Post 9/11 GI Bill	Federal	$0	Members of the New York National Guard who have deployed or served on Active Duty are eligible for the Post 9/11 GI bill education benefit administered by the Veterans Administration. This benefit provides tuition and housing assistance for up to 36 months based on the amount of active duty service the Soldier or Airman has accrued. Also can be transferred to family members.	Military and Naval Affairs, Division of		
New York National Guard Yellow Ribbon Program	Federal	$1,300,000	The Yellow Ribbon Program is a Department of Defense-wide effort to support National Guard and Reserve Service Members and Families with information on benefits and referrals before, during and after deployments. Service members and their families receive numerous briefings which include ESGR, NYS Department of Labor, Educational Benefits, Family Readiness, TRICARE, Service/Family Member Resiliency, Communication, Finances, and Vet Center Screening. Places our Service Members and Families in direct contact with more than 250 Providers, Employers and Colleges.	Military and Naval Affairs, Division of	Funds are allocated to National Guard Service Members and immediate family to cover per diem and lodging costs to attend Yellow Ribbon events. Monies are also provided to pay Service Members that support Yellow Ribbon Events.	
DMNA and the NYS DOL Employment Partnership	State	$0	The New York State Department of Labor (NYSDOL) and New York National Guard (NYNG) has formed a partnership in assisting our Service Members and their Families seeking employment opportunities within New York State. The NYSDOL has been actively involved with our returning military members in ensuring they receive all the benefits and opportunities they're eligible for following their mobilization.	Military and Naval Affairs, Division of		
Employer Support of the Guard and Reserve ESGR	Federal	$0	Employer Support of the Guard and Reserve is a Department of Defense agency established in 1972 whose mission is to develop and promote a culture in which all American Employers support and value the military service of their employees. It does so by advocating relevant initiatives, recognizing outstanding support, increasing awareness of applicable laws and resolving conflict between employers and service members. ESGRA also assists employers and employees in understanding the Uniformed Employment and Reemployment Rights Act (USERRA). This law explains the reemployment rights enjoyed by National Guard Soldiers and Airmen.	Military and Naval Affairs, Division of		
Industrial Incentive Award	State	Approximately $7,000,000 (amount is derived from Power Authority net Expansion Power revenues)	Provide electric bill discounts to New York State manufacturing companies that are at identifiable risk of closing or relocating to another state.	New York Power Authority	NYPA Trustees recommend to Economic Development Power Allocation Board.	
Environmental Protection Fund Parks and Historic Preservation Program		$12,300,000	Matching capital grants for local parks and historic preservation projects undertaken by local governments and non-profit organizations.	Parks, Recreation & Historic Preservation, Office of	Applications are accepted each summer For this year's grant round, the application deadline is September 1, 2011. Applications are reviewed by OPRHP staff against competitive criteria established for the program.	Maximum grant award is $400,000 (most are lower). For the 2011 grant round, OPRHP has identified several Commissioner's priorities, which include "park and historic projects recommended by the regional economic development council or aligned with regional strategic priorities."
Historic Rehabilitation Tax Credit		$0	Owners of income-producing real properties listed on the National Register of Historic Places may eligible for a 20% federal income tax credit for the substantial rehabilitation of historic properties. Owners of income producing properties that have been approved to receive the 20% federal rehabilitation tax credit automatically qualify for an additional state tax credit if the property is located in an eligible census track.	Parks, Recreation & Historic Preservation, Office of	The work performed (both interior and exterior) must meet the Secretary of the Interior's Standards for Rehabilitation and be approved by the National Park Service. OPRHP assists property owners in meeting the standards and identifies eligible properties.	In 2010, OPRHP assisted property owners in accessing over $57 million in investment tax credits for rehabilitation work on development projects.
Port Authority of NY & NJ Local Assistance Program	Port Authority of NY & NJ	$300,000 (fiscal year 2011)	The Local Assistance Program provides communities in the Port District with architectural and engineering consulting services to advance local economic development initiatives.	Port Authority of NY & NJ	Requires Port Authority Board approval.	2011-2012 Budget has not yet been confirmed.
Energy Efficiency Programs - Central Hudson EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$21,127,000	The utility provides rebates and incentives for residential and commercial electric and gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Brian Dimisko, Mgr. EE Services (845) 486-5791	Programs and budgets must be approved by the Public Service Commission.	REGION: HUDSON VALLEY. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - Con Edison EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$235,098,000	The utility provides rebates and incentives for residential, industrial and commercial, and multifamily electric and gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Rebecca Craft, Director E.E. Programs (212)460-47171 craftr@coned.com	Programs and budgets must be approved by the Public Service Commission.	REGION: NEW YORK CITY. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.

Program	Source	Amount	Description	Agency	Process	Comments
Energy Efficiency Programs - National Grid (upstate) EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$151,461,000	The utility provides rebates and incentives for residential, industrial and commercial and multifamily electric and gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Lynn Westerlind, Mgr, Energy Efficiency Regulatory Affairs, NY (781) 907-1570 lynn.westerlind@ us.ngrid.com	Programs and budgets must be approved by the Public Service Commission.	REGION: CAPITAL REGION, NORTH COUNTRY, MOHAWK VALLEY, WESTERN NEW YORK, CENTRAL NEW YORK. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - NYSEG EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$34,851,000	The utility provides rebates and incentives for residential, industrial and commercial, and multifamily for electric and gas customers for the installations of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Joni Fish-Gertz, Mgr. E.E. Programs (607) 725-3936 jfishgertz@nyseg.com	Programs and budgets must be approved by the Public Service Commission.	REGION: SOUTHERN TIER. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - RG&E EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$27,252,000	The utility provides rebates and incentives for residential, commercial, and multifamily electric and gas customers for the installations of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Joni Fish-Gertz, Mgr. E.E. Programs (607) 725-3936 jfishgertz@nyseg.com	Programs and budgets must be approved by the Public Service Commission.	REGION: FINGER LAKES, WESTERN NEW YORK. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - Orange and Rockland EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$15,531,000	The utility provides rebates and incentives for residential and commercial for electric and gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Charmaine Cigliano, Mgr., Customer Energy Services (845) 577-3121 ciglianoc@oru.com	Programs and budgets must be approved by the Public Service Commission.	REGION: HUDSON VALLEY. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - NYSERDA EEPS gas and electric efficiency program portfolio	Surcharge to electric and natural gas ratepayers	$394,595,000	NYSERDA provides rebates and incentives for residential, industrial and commercial and multifamily electric and gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission	Programs and budgets must be approved by the Public Service Commission.	REGION: STATEWIDE. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - National Grid Downstate Metro EEPS gas efficiency program portfolio	Surcharge to gas ratepayers	$26,602,000	The utility provides rebates and incentives for residential and industrial and commercial, and multifamily gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Lynn Westerlind, Mgr, Energy Efficiency Regulatory Affairs, NY (781) 907-1570 lynn.westerlind@ us.ngrid.com	Programs and budgets must be approved by the Public Service Commission.	REGION; NEW YORK CITY. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - National Grid Downstate EEPS gas efficiency program portfolio	Surcharge to gas ratepayers	$16,259,000	The utility provides rebates and incentives for residential, industrial and commercial, and multifamily gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Lynn Westerlind, Mgr, Energy Efficiency Regulatory Affairs, NY (781) 907-1570 lynn.westerlind@ us.ngrid.com	Programs and budgets must be approved by the Public Service Commission.	REGION: LONG ISLAND. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - Corning Gas EEPS gas efficiency program portfolio	Surcharge to gas ratepayers	$476,000	The utility provides rebates and incentives for residential and commercial gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission Jerry Sleve, V.P. (607) 936-3755 ext. 223 jsleve@corninggas.com	Programs and budgets must be approved by the Public Service Commission.	REGION; SOUTHERN TIER. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
Energy Efficiency Programs - St Lawrence Gas EEPS gas efficiency program portfolio	Surcharge to gas ratepayers	$478,000	The utility provides rebates and incentives for residential and commercial gas customers for the installation of energy efficiency measures. Programs are approved through December 31, 2011.	Public Service Commission James Ward, Mgr. (315) 842-3616	Programs and budgets must be approved by the Public Service Commission.	REGION: NORTH COUNTRY. Department Staff and the Commission are currently reviewing the EEPS programs for 2012 and beyond.
System Benefits Charge III Resource Acquisition Programs - General Awareness	SBC surcharge to electric ratepayers	$1,500,000	This program provides a statewide campaign approved by the Commission to educate New Yorkers on the benefits of energy efficiency and to motivate customers to take action and point them toward the EEPS programs from January 1, 2012 through December 31, 2016.	Public Service Commission	Programs and budgets must be approved by the Public Service Commission.	Program will be transferred to EEPS effective July 1, 2011.
Energy Efficiency Programs - Central Hudson Gas and Electric Corporation's New Building Program	Funded through utility rates	Up to $200,000 for SEQRA approval; up to $200,000 for utility infrastructure improvements; maximum $300,000	Supporting shovel ready initiatives to facilitate the development of sites for qualified, high technology industrial and manufacturing uses.	Public Service Commission		REGION: HUDSON VALLEY

Program	Source	Amount	Description	Agency	Process	Comments
Energy Efficiency Programs - Central Hudson Gas and Electric Corporation's Wired Innovations Centers Program	Funded through utility rates	Up to $100,000	Grants up to $100,000 can be used for wiring of the buildings, including equipment for uninterrupted power systems, back-up generation, advanced energy efficiency heating and cooling systems, advanced energy efficiency lighting, and air handling/ changing systems.	Public Service Commission		REGION: HUDSON VALLEY
Energy Efficiency Programs - Central Hudson Gas and Electric Corporation's Job Creation and Expansion Program	Funded through utility rates	$1,000 per job created	The job expansion program provides grants of $1,000 per job for positions paying more than $60,000 annually when a minimum of 25 jobs are created. Like the Job Creation-Attraction Program, jobs must be created in advanced manufacturing/high tech/ green tech, emerging growth industries or in targeted industries by Central Hudson's economic development partners.	Public Service Commission		REGION: HUDSON VALLEY
Energy Efficiency Programs - Central Hudson Gas and Electric Corporation's Infrastructure Program	Funded through utility rates	$50,000	Get up to $50,000 annually per substation on O&M expenses where it can be demonstrated that new jobs have been created or existing jobs have been retained.	Public Service Commission		REGION: HUDSON VALLEY
Energy Efficiency Programs - Central Hudson Gas and Electric Corporation's Revitalization Program	Funded through utility rates	Up to $100,000	Revitalization of older, abandoned industrial buildings in region. Eligible buildings must have at least 100,000 square feet of vacant space. Businesses that seek to demolish, deconstruct, rehabilitate and/or reconstruct vacant or severely underutilized properties are eligible to apply for funding. Owners must contribute at least 50% of the costs of the project.	Public Service Commission		REGION: HUDSON VALLEY
Energy Efficiency Programs - Consolidated Edison Company of New York, Inc.'s (Con Edison) Business Incentive Rate	Funded through utility rates	Funding varies	Eligible businesses can qualify for discount rates. Eligible businesses include largely unoccupied buildings looking to attract new tenants, new buildings, not-for-profits moving into new space, and government-promoted business incubators.	Public Service Commission	For more on eligibility and program limitations, interested customers of Con Edison should refer to the Con Edison website at: http://www.coned.com/ ecodev/	REGION: NEW YORK CITY
Energy Efficiency Programs - National Grid - Keyspan Energy Delivery (Keyspan) - Cinderella Grant Program	Funded through utility rates	Typically under $25,000	Grants for the rehabilitation or revitalization of vacant and under-utilized commercial buildings.	Public Service Commission	For more information visit the website at: www2.nationalgridus.com. To apply for one of these programs contact Domenic Abbatiello, Director of Economic Development, 516-545-3873, domenic. abbatiello@us.ngrid.com	REGION: NEW YORK CITY
Energy Efficiency Programs - National Grid-Upstate- Clean Tech Incubation	Funded through utility rates	Matching grant up to $50,000; grant cannot exceed 75% of total project cost.	Municipalities and eligible economic development organizations with strong marketing plans to attract new Clean Tech businesses to sites lacking the appropriate infrastructure for clean tech sites	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Shovel Ready Incentive	Funded through utility rates	Grant up to $125,000	Funding available for engineering studies and installation of electric and natural gas infrastructure by property developers and local development agencies to the designated Build now NY Shovel-Ready NY and chip Fab 98/Semi NY sites.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Brownfield Redevelopment	Funded through utility rates	Grant up to $300,000 or up to 25% of total redevelopment costs for projects over $1,000	Municipalities and eligible economic development organizations working in tandem with a municipality or IDA or local development corporation may seek a grant to fund utility-related infrastructure improvements, demolition and other costs necessary to progress the development of a Brownfield site or abandoned building.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Main Street Commercial District Revitalization	Funded through utility rates	Matching grants range from $25,000 to $200,000 depending on the total capital investment	Grants available to municipalities and eligible economic development organizations for the development of pre-construction documents that advance an existing community accepted design plan, site preparation of adaptive re-use projects and rehabilitation of commercial, industrial or mixed-use buildings under 100,000 square feet. Applications showing commitments from public funding resources such as the Governor's Office of small cities and Empire State Development are encouraged.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Urban Center/Commercial District Revitalization	Funded through utility rates	Matching grant up to $1,000 over a two-year period	Municipalities, local development corporations, universities, and medical complexes undertaking major neighborhood revitalization projects in the company's service territory may apply for a grant.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Capital Investment Incentive Program	Funded through utility rates	Grant from $50,000 up to $500,000 depending on total capital Investment for project	Business or prospective facility must demonstrate IDA or other public development agency support to obtain a grant to offset customer costs associated with upgrading utility infrastructure to accommodate a business expansion or new construction project.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY

Program	Source	Amount	Description	Agency	Process	Comments
Energy Efficiency Programs - National Grid-Upstate-Building Ready Upstate Program	Funded through utility rates	Funding up to $30,000; funding cannot exceed 75% of total project cost	Program will fund building drawings, site plans, and design specifications that meet local Planning Board approval and other costs by property owners/developers to actively market property to out-of-state prospects. Sites must be endorsed by local IDA or the local ED organization.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Manufacturing Productivity Program	Funded through utility rates	Matching grants up to $15,000 or $40,000 depending on project	Program available to manufacturers who commit to "lean manufacturing projects" (eliminate waste & increase productivity). All grants funded in connection with Regional Technology Development Center (RTDCs) verification of increased productivity and capacity. Priority consideration will be given to projects that involve energy efficiency, energy utilization, and/or environmental solutions.	Public Service Commission	For contact information for the Regional Technology Development Center (RTDCs) visit: www.nystar.state.ny.us/rtdcs.hlm	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Cooperative Business Recruitment	Funded through utility rates	Matching grant up to $10,000	Program provides incremental matching funds for cooperative marketing initiatives between National Grid and regional or local economic development partners.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate- Industrial Building Redevelopment	Funded through utility rates	Grant from $50,000 up to $250,000 depending on total capital investment for the project.	Grants available to return vacant or underutilized buildings or complexes of former single, large end-use properties to active industrial use.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Three Phase Power Incentive	Funded through utility rates	Grant up to $50,000, with some exceptions	Small businesses and agri-businesses whose growth at their current location is limited by lack of three-phase power to the site, can apply for a grant to help fund extension of three-phase service.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Power Quality Enhancement Program	Funded through utility rates	Grant up to $50,000; customer must fund 25% of total project costs & grant must represent no more than 50% of total project costs.	Manufacturing, research and development, and health care sectors are eligible to apply for a grant for installation of power quality mitigation equipment and services.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Renewable Energy and Economic Development	Funding through utility rates	Matching grant up to $750,000 for collaborative projects	Program available to regional economic development sponsors that collaborate with an Upstate research institution and one or more renewable energy technology partners. Eligible technologies include, but are not limited to, solar, photovoltaic, geothermal, biomass, and anaerobic digestion.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-- Upstate - Energy Efficiency in Empire Zones	Funded through utility rates	Program funding and parameters established annually by National Grid	Eligible businesses must be a certified Empire Zone customer and be receiving energy delivery benefits under National Grid's Empire Zone Rider (EZR Program or undertaking an EZR qualifying expansion. Incentives provided for customers not eligible for assistance through the New York State Energy Research and Development Authority's commercial energy efficiency programs.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Small Business Growth	Funded through utility rates	Program open to eligible SC-12 National Grid customers	Program is a demand charge reduction for eligible SC-12 National Grid upstate customers in competitive situations (customer retention) or may be used to attract expand or attract businesses.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Grid-Upstate-Agri Business Productivity	Funded through utility rates	Grant from $5,000 up to $50,000, depending on total capital investment	Program provides rebates to fund energy efficiency, renewable energy delivery and/or productivity improvements undertaken by dairy businesses, dairy farms and controlled environmental agricultural facilities.	Public Service Commission	For more information visit the company's economic development website at: www.shovelready.com/program/asp	REGION: CAPITAL REGION; NORTH COUNTRY; WESTERN NY; CENTRAL NY; MOHAWK VALLEY
Energy Efficiency Programs - National Fuel Gas Distribution Corporation (NFG) Area Development Plan	Funded through utility rates	$750,000	$750,000 available annually to fund eligible natural gas customers. The funds are designed to stimulate investment in infrastructure for the development or redevelopment of underutilized industrial or commercial property, including but not limited to Brownfield sites or Brownfield opportunity areas; create new employment opportunities or higher value employment opportunities; provide workforce training or retraining to assure that higher value skills are available in the workforce, when needed; stimulate the expenditure of private investment in direct capital expenditures needed to expand employment.	Public Service Commission	To learn more about NFG's Economic Development Programs visit its Web site at http://www.natfuel.com/forbusiness/NY/EconomicDevelopment.aspx. To apply for a program grant contact NFG's Energy Services Department at 716-857-7776.	REGION: WESTERN NEW YORK
Energy Efficiency Programs - New York State Electric & Gas Corporation (NYSEG) Brownfield/Building Development	Funded through utility rates	Up to $500,000	Up to $500,000, on a per-project basis, to encourage the redevelopment of a Brownfield site or vacant building. Funds are to be used for electric-related infrastructure improvements and may not be used for the remediation of the site.	Public Service Commission	To find out more about NYSEG's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a NYSEG Program contact NYSEG at 1.800.456.5153 or e-mail at dawn_cote@rge.com.	REGION: SOUTHERN TIER, WESTERN NEW YORK, NORTH COUNTRY

Program	Source	Amount	Description	Agency	Process	Comments
Energy Efficiency Programs - New York State Electric & Gas Corporation (NYSEG) Utility Infrastructure Investment Program	Funded through utility rates	Up to $400,000	Up to $400,000, on a per-project basis, for new electric-related facilities for existing or prospective customers with load of 100 kilowatts or more – if a minimum of $1 million has been invested in a new or expanding facility.	Public Service Commission	To find out more about NYSEG's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a NYSEG Program contact NYSEG at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: SOUTHERN TIER, WESTERN NEW YORK, NORTH COUNTRY
Energy Efficiency Programs - New York State Electric & Gas Corporation (NYSEG) Capital Investment Incentive	Funded through utility rates	Up to $300,000	Up to $300,000 per project for capital investments of $1 million or more; to fund electric-related improvements on either NYSEG-owned or customer-owned equipment. Minimum monthly incremental demand after improvements must be at least 100 kilowatts.	Public Service Commission	To find out more about NYSEG's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a NYSEG Program contact NYSEG at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: SOUTHERN TIER, WESTERN NEW YORK, NORTH COUNTRY
Energy Efficiency Programs - New York State Electric & Gas Corporation (NYSEG) Agriculture Capital Investment Incentive	Funded through utility rates	Up to $100,000	Up to $100,000 per project for smaller farms toward electric-related infrastructure improvements on either NYSEG-owned or customer-owned (as directed by NYSEG) equipment. Each project must involve capital investment of at least $50,000 and have a monthly incremental electric demand after capital investment of at least 25 kilowatts.	Public Service Commission	To find out more about NYSEG's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a NYSEG Program contact NYSEG at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: SOUTHERN TIER, WESTERN NEW YORK, NORTH COUNTRY
Energy Efficiency Programs - Orange and Rockland Utilities, Inc. (ORU) Economic Development Rate	Funded through utility rates	Funding varies	A special incentive rate (10% discount for 5 years) to qualifying electric customers locating to — or expanding within —service territory. This incentive is designed to help ease the cost to customers who are making major relocation or expansion decisions.	Public Service Commission	To learn more about ORU's Economic Development Program visit: http://www.oru.com/programsandservices/economicdevelopment/index.html	REGION: HUDSON VALLEY
Energy Efficiency Programs - Rochester Gas and Electric Corporation (RG&E) Brownfield/Building Redevelopment	Funded through utility rates	Up to $500,000	Up to $500,000, on a per-project basis, to encourage the redevelopment of a Brownfield site or vacant building. Funds are to be used for electric-related infrastructure improvements and may not be used for the remediation of the site.	Public Service Commission	To find out more about RG&E's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a RG&E Program contact RG&E at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: FINGER LAKES, WESTERN NEW YORK
Energy Efficiency Programs - Rochester Gas and Electric Corporation (RG&E) Utility Infrastructure Investment	Funded through utility rates	Up to $400,000	Up to $400,000, on a per-project basis, for new electric-related facilities for existing or prospective customers with load of 100 kilowatts or more – if a minimum of $1 million has been invested in a new or expanding facility.	Public Service Commission	To find out more about RG&E's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a RG&E Program contact RG&E at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: FINGER LAKES, WESTERN NEW YORK
Energy Efficiency Programs - Rochester Gas and Electric Corporation (RG&E) Capital Investment Incentive	Funded through utility rates	Up to $300,000	Up to $300,000 per project for capital investments of $1 million or more; to fund electric-related improvements on either RG&E-owned or customer-owned equipment. Minimum monthly incremental demand after improvements must be at least 100 kilowatts.	Public Service Commission	To find out more about RG&E's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a RG&E Program contact RG&E at 1.800.456.5153 or e-mail at dawn_cote@rge.com	REGION: FINGER LAKES, WESTERN NEW YORK
Energy Efficiency Programs - St. Lawrence Gas Company, Inc. Area Revitilization Program	Funded through utility rates	Up to $10,000	Grants of up to $10,000 per project offered as part of the company's area revitalization program. The grants are made available for specific projects in targeted areas within the company's service territory. The money can be used to help cover the cost of installing gas infrastructure. Total annual funding is $50,000.	Public Service Commission	The company is developing a website to provide additional details about the program.	REGION: NORTH COUNTRY
Environmental Protection Fund Title 11 Local Waterfront Revitalization Fund (EPF LWRP)	ECL Article 54 Environmental Protection Fund Title 11	$12,000,000	Funds from the Environmental Protection Fund to support local planning, design and construction projects that focus on economic, community, environmental and recreational improvements.	State, Department of	Competitive solicitation available to cities, towns, villages and counties within the New York State Coastal Area and along designated Inland Waterways.	2011-12 Executive Budget includes a $12 million appropriation for EPF LWRP. DOS also has available $11 million from SFY 2010-11.
Environmental Protection Fund Smart Growth	ECL Article 54 Environmental Protection Fund Title 3	$1,300,000	Funds from the Environmental Protection Fund to support local and regional planning that advances Smart Growth principles in New York State.	State, Department of	Competitive solicitation available to local municipalities.	2011-12 Executive Budget includes a $300,000 appropriation for Smart Growth. DOS also has approximately $1 million available from previous appropriations.
Local Government Efficiency Program	State Finance Law Article 4-A - Section 54	$35,000,000	Local Government Citizens Re-organization Empowerment grants to local government entities to cover costs associated with studies, plans, and implementation efforts related to local government re-organization activities.	State, Department of	Non-competitive solicitation available to towns, villages, districts, special improvement districts or other improvement districts, library districts, and other districts created by law; not including school districts, city districts or special purpose districts created by counties under county law.	2011-12 Executive Budget includes a $35 million appropriation for grants and Citizen Empowerment Tax Credit.

Program	Source	Amount	Description	Agency	Process	Comments
Local Government Efficiency Program	State Finance Law Article 4-A - Section 54	$4,000,000	Local Government Efficiency grants to cover costs associated with local government efficiency projects, including, but not limited to, planning for or implementation of a municipal consolidation or dissolution, a functional consolidation, a city or county charter revision that includes functional consolidation, shared or cooperative services, and regionalized delivery of services; provided, however, that such local government efficiency projects must demonstrate new opportunities for financial savings and operational efficiencies.	State, Department of	Competitive solicitation available on a continuous basis to counties, cities, towns, villages, special improvement districts, fire districts, public libraries, association libraries, water authorities, sewer authorities, regional planning and development boards, school districts, or BOCES.	2011-12 Executive Budget includes a $4 million appropriation for Local Government Efficiency Grants.
Local Government Efficiency Program	State Finance Law Article 4-A - Section 54	$40,000,000	Local Government Performance and Efficiency Program recognizes municipalities that have undertaken significant and innovative actions to improve the overall efficiency of governmental operations and produce quantifiable recurring financial savings that reduce the municipal tax burden on residents.	State, Department of	Solicitation available to counties, cities towns, villages, but shall not include the individual counties contained in the city of New York.	2011-12 Executive Budget includes a $40 million appropriation for the Local Government Performance and Efficiency Program. Awards shall only be made to municipalities for actions that have been fully implemented after 1/1/2010, that clearly resulted in quantifiable savings and efficiencies, and that produced permanent and quantifiable improvements to municipal efficiency or services.
Rail Bond	State	SFY 2011-12 $27 million	Provides funding for the Planning, design, construction, reconstruction, replacement, improvement, reconditioning, rehabilitation, and preservation of commuter, intercity passenger and freight rail facilities, ports, marine terminals and marine transportation facilities, and Intermodal passenger and freight facilities and equipment.	Transportation, Department of	Funds allocated by based on results of Statewide competitive solicitation.	State share is 90%. Projects must be eligible under State Transportation Law.
Aviation Bond	State	SFY 2011-12 $16.4 million	Provides funding for General Aviation Security, Business Airport Development and Airport Improvement and Revitalization.	Transportation, Department of	Funds allocated by based on results of Statewide competitive solicitation.	Projects must be eligible under Transportation Law. The 2005 Transportation Bond Act includes rating and ranking criteria for allocation of program funds. General Aviation Security grants: 100% State share; Business Airport Development grants: 90% State share; and Airport Improvement and Revitalization grants: sliding State share that takes into consideration the size of the airport and number of annual enplanements.
Multi-Modal	State	SFY 2011-12 $6.9 million	Provides funds for any project eligible in Transportation Law including highway, port, rail and fixed-ferry or intermodal facility.	Transportation, Department of	Projects nominated directly by the Executive and/or recommended by the Regional Economic Development Councils.	Public Transportation projects are not eligible. Intermodal transportation facilities that incorporate public transportation services are eligible.
Transit - Statewide Mass Transportation Operating Assistance Program STOA	State	SFY 2011-12 - $4,200,000,000	Provides public transportation operating assistance to both public and publically sponsored private operators .	Transportation, Department of	Apportioned directly to transit systems through a specific amount in the State budget and through a service and usage formula for smaller systems.	Pursuant to Section 18-b of the Transportation Law, requires a local match.
Transit Capital - New Start Program	Federal	FFY 2010 - $400,000,000	Provides the federal share of new fixed-guideway projects, either new systems or extensions to existing systems.	Transportation, Department of	Projects become candidates by completing the appropriate steps in the major capital investment planning and project development process.	NY has two active New Start funded projects: MTA's East Side Access (ESA) and Second Avenue Subway (SAS). Funds allocated directly to public transportation system. Federal share may be up to 80%.
Transit Capital - Fixed Guideway Modernization Program	Federal	FFY 2010 - $461,000,000	Provides funds to modernize and rehabilitate fixed-guideway systems.	Transportation, Department of	All fixed-guideway systems and/or segments that are at least seven years old are eligible to receive funding.	New York State has two public transportation systems that are eligible to receive funding under this program: MTA and NFTA in Buffalo. Funds allocated directly to public transportation system. Federal share is 80%.
Transit Capital - Bus/Bus Facilities program	Federal	FFY 2010 - $95,000,000	Provides funds to purchase buses and bus related equipment including the construction, rehabilitation and replacement of maintenance and other facilities.	Transportation, Department of	Funds are earmarked by Congress during the appropriation process.	Funds allocated directly to public transportation system. Federal share is 80%.
Transit - Non-Urbanized Area Formula program	Federal	FFY 2010 - $18,000,000	Provides capital, operating and technical assistance for public transportation in rural areas of less than 50,000 in population.	Transportation, Department of	Funding is apportioned to the State based on the non-urbanized population (80 percent) of the State and land area (20 percent).	Program administered by DOT on behalf of the Federal Transit Administration (FTA). Federal share for capital activities is 80%; operating projects 50%.
Transit - Urbanized Area Formula program	Federal	FFY 2010 - $677,000,000	Provides capital assistance for public transportation in urbanized areas of more than 50,000 in population.	Transportation, Department of	Apportionment directly to public transportation systems based on multi-tiered formula that includes population, service and operating cost factors.	Funds allocated directly to public transportation system. Federal share is 80%.

Program	Source	Amount	Description	Agency	Process	Comments
Transit - Elderly Individuals and Individuals with Disabilities Formula Program	Federal	FFY 2010 - $9,000,000	Provides capital-only assistance for the purchase of vehicles; intended primarily for private not-for-profit organizations.	Transportation, Department of	Funds allocated by DOT based on results of Statewide competitive solicitation	Program administered by DOT on behalf of the Federal Transit Administration (FTA). Federal share is 80%.
Transit - Job Access and Reverse Commute Program	Federal	FFY 2010 - $13,000,000	Funds the capital/operating costs of equipment, facilities, and associated capital maintenance items related to providing low income individuals access to jobs/job training.	Transportation, Department of	Funds are allocated directly to public transit systems in areas of more than 200,000 in population. For areas of less than 200,000 in population, funds allocated by DOT based on results of Statewide competitive solicitation.	Program administered by DOT on behalf of the Federal Transit Administration (FTA) for areas of less than 200,000 in population. Federal share for capital activities is 80%; operating projects 50%.
Transit - New Freedom Program	Federal	FFY 2010 - $7,000,000	Provides capital/operating funds for services and facility improvements beyond those required by ADA.	Transportation, Department of	Funds are allocated directly to public transit systems in areas of more than 200,000 in population. For areas of less than 200,000 in population, funds allocated by DOT based on results of Statewide competitive solicitation.	Program administered by DOT on behalf of the Federal Transit Administration (FTA) for areas of less than 200,000 in population. Federal share for capital activities is 80%; operating projects 50%.
Rail - Passenger and Freight Rail Service Preservation Program	State	SFY 2011-12 $10,000,000	Provides funding for the construction and improvement of passenger and freight rail infrastructure and facilities.	Transportation, Department of	Funds allocated by DOT based on results of Statewide competitive solicitation.	State share is 100%.
Aviation - FAA Airport Improvement Program Matching Funds	State	SFY 2011-12 - $4,000,000	Provides State matching funds to leverage funding allocated by FAA under the Airport Improvement Program (AIP).	Transportation, Department of	Funds are apportioned based on the receipt of federal AIP funding.	Federal share is 95%.
Highway - Highway Bridge Program (HB)	Federal	FFY 2010 - $429,000,000	Provides funding to improve the condition of state highway bridges through replacement, rehabilitation, and systematic preventive maintenance.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 80%.
Highway - Surface Transportation Program (STP)	Federal	FFY 2010 - $243,000,000	Provides funding that may be used by States and localities for projects on any Federal-aid highway.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 80%.
Highway - National Highway System (NHS)	Federal	FFY 2010 - $205,000,000	Provides funding for improvements to rural and urban roads that are part of the National Highway System.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 80%.
Highway - Interstate Maintenance (IM)	Federal	FFY 2010 - $180,000,000	Provides funding for resurfacing, restoring, rehabilitating and reconstructing routes on the Interstate System.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 90%.
Highway - Congestion Mitigation & Air Quality Improvement Program (CMAQ)	Federal	FFY 2010 - $156,000,000	Provides funding for projects and programs in air quality nonattainment and maintenance areas for ozone, carbon monoxide (CO), and particulate matter (PM-10, PM-2.5) which reduce transportation related emissions.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 80%.
Highway - Highway Safety Improvements	Federal	FFY 2010 - $37,000,000	Provides funding to achieve a reductions in traffic fatalities and serious injuries on all public roads.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 90%.
Highway - Recreational Trails	Federal	FFY 2010 - $3,000,000	Provides funds to develop, construct, maintain, and rehabilitate trails and trail facilities.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Sliding scale federal share.
Highway - Railway-Highway Crossings	Federal	FFY 2010 - $6,000,000	Provides funding to reduce the number of fatalities and injuries at public highway-rail grade crossings through the elimination of hazards and/or the installation/upgrade of protective devices at crossings.	Transportation, Department of	Project proposals must be developed with DOT and funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 90%.
Highway - Coordinated Border Infrastructure	Federal	FFY 2010 - $28,000,000	Provides funds to improve the safe and efficient movement of motor vehicles at or across the land border between NY and Canada.	Transportation, Department of	Project proposals must be developed with DOT and where appropriate - funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 80%.
Highway - Safe Routes to School	Federal	FFY 2010 - $10,000,000	Provides funding to enable and encourage children, including those with disabilities, to walk and bicycle to school; to make walking and bicycling to school safe and more appealing; and to facilitate the planning, development and implementation of projects that will improve safety, and reduce traffic, fuel consumption, and air pollution in the vicinity of schools.	Transportation, Department of	Project proposals must be developed with DOT and where appropriate - funding approved through the planning process managed by the local Metropolitan Planning Council.	Federal share is 100%.

PART II: Public Higher Education Resources

- City University of New York (CUNY)
- State University of New York (SUNY)

Fiscal Year Ended June 2010

City University of New York (CUNY)

Federal and State Awards
Fiscal Year Ended June 2010 (7/1/09-6/30/10)
Managed through the Research Foundation

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Soft Scattering, Integrability and Confinement in Quantum Chromodynamics (QCD)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$211,127.00	BARUCH COLLEGE	ORLAND, PETER
RIG: Isolation, Characterization and Evolution of Fluorescent Proteins From Indo-Pacific and Caribbean Marine Organisms	NATIONAL SCIENCE FOUNDATION	FEDERAL	$199,263.00	BARUCH COLLEGE	GRUBER, DAVID
Mid-Atlantic Mathematical Logic Seminar (MAMLS)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$48,000.00	BARUCH COLLEGE	APTER, ARTHUR
The Influence of Oysters on Sediment Nitrogen Cycling: An Ecosystem Approach	NATIONAL SCIENCE FOUNDATION	FEDERAL	$281,995.00	BARUCH COLLEGE	ZARNOCH, CHESTER
GSE/RES: Gender Differences in the Foundations of Sense of Belonging: Effects on Achievement, Aspirations, and Learning in Science, Technology, Engineering, and Mathematic (STEM) Disciplines	NATIONAL SCIENCE FOUNDATION	FEDERAL	$500,000.00	BARUCH COLLEGE	GOOD, CATHERINE
MRI: Acquisition of a Seal AQ2+ Discrete Autoanalyzer for Interdisciplinary Research in Aquatic Ecology by Faculty and Undergraduates	NATIONAL SCIENCE FOUNDATION	FEDERAL	$61,733.00	BARUCH COLLEGE	HOELLEIN, TIMOTHY
Research Experiences for Undergraduates (REU) Site: An Invitation to Basic and Applied Science of Psychology	NATIONAL SCIENCE FOUNDATION	FEDERAL	$93,501.00	BARUCH COLLEGE	PARK, JAIHYUN
Revitalizing Urban Population Projections: New Data/New Methods	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$29,927.00	BARUCH COLLEGE	BALK, DEBORAH
Changes in Teen Fertility Before and After Roe vs. Wade	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$82,189.00	BARUCH COLLEGE	JOYCE, THEODORE
Managing Obesity by Combining Behavioral Weight Loss and Commerical Approaches	NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES	FEDERAL	$160,008.00	BARUCH COLLEGE	PINTO, ANGELA MARINILLI
State Grant for Library Collection Development	NYS EDUCATION DEPARTMENT	STATE	$16,690.00	BARUCH COLLEGE	DOWNING, ARTHUR
Title IIA-Educational Leadership Program Enhancement	NYS EDUCATION DEPARTMENT	STATE	$16,199.00	BARUCH COLLEGE	GEWIRTZMAN, LIZ
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$185,565.00	BARUCH COLLEGE	NOOROLLAH, SHEILA
Adult Education Basic Training	NYS GOVERNOR'S OFFICE OF EMPLOYEE RELATIONS	STATE	$52,257.70	BARUCH COLLEGE	CLARKSON, ANN
Weissman Talks Series	NYS SENATE	STATE	$5,500.00	BARUCH COLLEGE	MALATESTA, JOHN
Development of Online Applications for Counseling Center	NYS SENATE	STATE	$55,000.00	BARUCH COLLEGE	KASNAKIAN, CAROLINE
Prevention Oriented Electronic Health Record (EHR) System	NYS SENATE	STATE	$8,000.00	BARUCH COLLEGE	TIM KEE, TAHEERA
High-Energy Quantum Chromodynamics (QCD) in Heavy-Ion Collisions	U.S. DEPARTMENT OF ENERGY	FEDERAL	$85,000.00	BARUCH COLLEGE	JALILIAN-MARIAN, JAMAL
The Field Center for Entrepreneurship	U.S. SMALL BUSINESS ADMINISTRATION	FEDERAL	$68,780.00	BARUCH COLLEGE	DEAN, MONICA
Perkins IV Career and Technical Education Improvement Act (CTEIA)-Postsecondary Program: Academic Support Services	NYS EDUCATION DEPARTMENT	STATE	$1,875,320.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	RUMAYOR, SANDRA
Vocational and Applied Technology Education Act (VATEA): SUNY Educational Opportunity Center in Manhattan: The Microsoft Office User Specialist (MOUS) Training Program Perkins IV	NYS EDUCATION DEPARTMENT	STATE	$76,731.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	ALEXANDER, RODNEY
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$129,709.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	GILLESPIE, MICHAEL
Workforce Investment Act (WIA) Title II English Language Learners Postsecondary Transition Program	NYS EDUCATION DEPARTMENT	STATE	$99,792.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	DEAGAN, DENISE
Adult Basic Education Program	NYS EDUCATION DEPARTMENT	STATE	$182,240.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	DEAGAN, DENISE
Workforce Investment Act (WIA) Title II: English Language/Civics Education	NYS EDUCATION DEPARTMENT	STATE	$392,402.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	DEAGAN, DENISE
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$55,050.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	GILLESPIE, MICHAEL
Educational Resources for Adult and Family Literacy	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$85,250.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	DEAGAN, DENISE
Food Stamp Employment and Training	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$9,250.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	ALEXANDER, RODNEY

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$286,077.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	GILLESPIE, MICHAEL
Engineering Science Pipeline to Success Project	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$806,431.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	WONG, ERWIN
Science for Forensics	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$1,265,634.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	WONG, ERWIN
Child Care Access Means Parents in School (CCAMPIS)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$324,000.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	PEARSALL, BETTY
Strengthening Academic Programs and Improving Student Achievement Through the Development of a Comprehensive e-Learning Center	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$575,000.00	BOROUGH OF MANHATTAN COMMUNITY COLLEGE	WONG, ERWIN
Science, Technology, Engineering, and Mathematics Scholarship Program (S-STEM)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$13,130.00	BRONX COMMUNITY COLLEGE	BATES, MADELAINE
Displaced Homemaker Program	NYS DEPARTMENT OF LABOR	STATE	$397,249.00	BRONX COMMUNITY COLLEGE	KELLAWON, BLANCHE
Tutor Certification and Standardization Services	NYS EDUCATION DEPARTMENT	STATE	$1,436,802.00	BRONX COMMUNITY COLLEGE	SAVAGE, CARIN
Vocational and Applied Technology Education Act (VATEA) Employment Opportunity Center	NYS EDUCATION DEPARTMENT	STATE	$66,774.00	BRONX COMMUNITY COLLEGE	ADOLPHUS, STEPHEN
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$98,763.00	BRONX COMMUNITY COLLEGE	AKINMOLADUN, ANDREW
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$77,160.00	BRONX COMMUNITY COLLEGE	AKINMOLADUN, ANDREW
Library Collection Aid	NYS EDUCATION DEPARTMENT	STATE	$9,507.00	BRONX COMMUNITY COLLEGE	MCMANUS, TERESA
State Adult Literacy and Basic Education	NYS EDUCATION DEPARTMENT	STATE	$182,240.00	BRONX COMMUNITY COLLEGE	KELLAWON, BLANCHE
Photovoltaic (PV) Training and Certification Program	NYS ENERGY RESEARCH & DEVELOPMENT AUTHOR	STATE	$675.96	BRONX COMMUNITY COLLEGE	SELIGER, MICHAEL
Bronx Community College Talent Search Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$226,600.00	BRONX COMMUNITY COLLEGE	DANVERS, MICHELLE
Strenghthening Hispanic Serving Institutions	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$551,596.00	BRONX COMMUNITY COLLEGE	WACH, HOWARD
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$479,052.00	BRONX COMMUNITY COLLEGE	DANVERS, MICHELLE
BCC-CCNY Opening the Pipeline	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$1,301,891.00	BRONX COMMUNITY COLLEGE	MONTENEGRO, LUIS
Center for Sustainable Energy: Facility Development Phase I	U.S. DEPARTMENT OF ENERGY	FEDERAL	$462,429.00	BRONX COMMUNITY COLLEGE	SELIGER, MICHAEL
Environmental Monitoring for the Archives and Special Collections Divsion of the Library	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$3,338.00	BROOKLYN COLLEGE	LABATTO, MARIANNE
Beyond the Ring: Arranging and Describing the Hank Kaplan Boxing Archive, 1812-2007	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$311,064.00	BROOKLYN COLLEGE	CUCCHIARA, ANTHONY
Teacher Learning Communities: Centering the Teaching of Mathematics on Urban Youth	NATIONAL SCIENCE FOUNDATION	FEDERAL	$143,759.00	BROOKLYN COLLEGE	RUBEL, LAURIE
Research Experiences for Undergraduates (REU) Site: Islands of Change	NATIONAL SCIENCE FOUNDATION	FEDERAL	$1,147,782.00	BROOKLYN COLLEGE	PERDIKARIS, SOPHIA
Research Experiences for Undergraduates (REU) Site: Metrobotics: Undergraduate Robot Research at an Urban Public College	NATIONAL SCIENCE FOUNDATION	FEDERAL	$345,000.00	BROOKLYN COLLEGE	SKLAR, ELIZABETH
Collaborative Research: Linear Algebra in New Environments (LINE)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$72,613.00	BROOKLYN COLLEGE	DEXTER, SCOTT
Graduate Teaching Fellows in K-12 Education (GK-12), City-As-Lab	NATIONAL SCIENCE FOUNDATION	FEDERAL	$600,000.00	BROOKLYN COLLEGE	POWELL, WAYNE
Extending Contextualized Computing in Multiple Institutions Using Threads	NATIONAL SCIENCE FOUNDATION	FEDERAL	$14,000.00	BROOKLYN COLLEGE	SKLAR, ELIZABETH
Dynamic Cognitive Analyses of Creativity, Expertise, and Aesthetics in Software Development	NATIONAL SCIENCE FOUNDATION	FEDERAL	$698,992.00	BROOKLYN COLLEGE	KOZBELT, AARON
Doctoral Dissertation Improvement: Paleobiology of Protopithecus Brasiliensis, a Plus-Sized Pleistocene Platyrrhine from Brazil	NATIONAL SCIENCE FOUNDATION	FEDERAL	$13,903.00	BROOKLYN COLLEGE	ROSENBERGER, ALFRED L.
Sequential Detection and Classification in 3D Computer Vision	NATIONAL SCIENCE FOUNDATION	FEDERAL	$99,905.00	BROOKLYN COLLEGE	HADJILIADIS, OLYMPIA
Brooklyn College Teacher Academy Noyce Scholars	NATIONAL SCIENCE FOUNDATION	FEDERAL	$894,271.00	BROOKLYN COLLEGE	BRANCH-SMITH, EDWINA
Collaborative: A Gaming Environment to Teach Students About Complex Distributed Systems	NATIONAL SCIENCE FOUNDATION	FEDERAL	$16,666.00	BROOKLYN COLLEGE	YARMISH, GAVRIEL

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Opportunities for Enhancing Diversity in the Geosciences (OEDG)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$36,650.00	BROOKLYN COLLEGE	BRANCO, BRETT F.
Catalysis of Isoniazid Action by M Tuberculosis KatG	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$60,841.00	BROOKLYN COLLEGE	MAGLIOZZO, RICHARD
Mycobacterial PDIM/PGL: Synthesis Pathway and Inhibition	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$333,124.00	BROOKLYN COLLEGE	QUADRI, LUIS
Mycobacterial Siderophores: Assembly, Assembly Inhibition, and Role in Virulence	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$528,029.00	BROOKLYN COLLEGE	QUADRI, LUIS
HIV Risk and Venues for Meeting Sex Partners	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$150,160.00	BROOKLYN COLLEGE	GROV, CHRISTIAN
Cloning and Analysis of a Gamete Fusion Gene	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$26,084.00	BROOKLYN COLLEGE	FOREST, CHARLENE
Carbohydrate Appetite, Fat Appetite, and Obesity	NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES	FEDERAL	$295,808.00	BROOKLYN COLLEGE	SCLAFANI, ANTHONY
Neuropharmacology of Learned Food Preferences	NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES	FEDERAL	$255,907.00	BROOKLYN COLLEGE	SCLAFANI, ANTHONY
Biomedical Research Training for Minority Honor Students	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$601,359.00	BROOKLYN COLLEGE	HAINLINE, LOUISE
Signaling Pathways and Microtubule Function	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$39,580.00	BROOKLYN COLLEGE	ESHEL, DAN
Gatekeepers and Roadblocks: Increasing Underrepresented Minority (URM) Student Success in Science	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$482,559.00	BROOKLYN COLLEGE	HAINLINE, LOUISE
Amyloid-Like Interactions in Yeast Cell Adhesion	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$547,428.00	BROOKLYN COLLEGE	LIPKE, PETER
Advancing the Utility of Organocatalysis in the Synthesis of Therapeutic Agents	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$117,750.00	BROOKLYN COLLEGE	BRENNER, STACEY
Genetic Analysis of Mosquito Metamorphosis	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$117,750.00	BROOKLYN COLLEGE	NISHIURA, JAMES
The Influence of Host Factors on Retroviral Integration into Chromatin Templates	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$130,780.00	BROOKLYN COLLEGE	STUDAMIRE, BARBARA
Probing Dynamics of Water in Elastin by Q-Space Imaging and Multiple Quantum Nuclear Magnetic Resonance (NMR)	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$372,908.00	BROOKLYN COLLEGE	BOUTIS, GREGORY
Thermodynamics of Coupled Binding of Zn(II) and DNA to a Zinc Finger Tumor Suppressor	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$85,400.00	BROOKLYN COLLEGE	GIBNEY, BRIAN
Organogold Phosphorus-Containing Compounds as Antitumor Agents	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$157,000.00	BROOKLYN COLLEGE	CONTEL, MARIA
A Novel Function of Orc6 During Mitosis in S. Cerevisiae	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$157,000.00	BROOKLYN COLLEGE	IKUI, AMY
Metabolic Effects of Very Low-Carbohydrate Weight Reduction Diets on Obese Rats	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$117,750.00	BROOKLYN COLLEGE	AXEN, KATHLEEN
Spectroscopic Markers for Blue-Fluorescing Tryptophan in Proteins	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$149,818.00	BROOKLYN COLLEGE	JUSZCZAK, LAURA
21st Century Community Learning Centers	NYS EDUCATION DEPARTMENT	STATE	$419,847.00	BROOKLYN COLLEGE	ROMER, NANCY
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$99,054.00	BROOKLYN COLLEGE	ECKHARDT, RONALD
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$153,894.00	BROOKLYN COLLEGE	HAINLINE, LOUISE
Library Collection Aid	NYS EDUCATION DEPARTMENT	STATE	$16,313.00	BROOKLYN COLLEGE	VAUGHN, SUSAN
Bilingual Education Technical Assistance Center (BETAC)	NYS EDUCATION DEPARTMENT	STATE	$527,108.00	BROOKLYN COLLEGE	SHANLEY, DEBORAH
21st Century Community Learning Centers	NYS EDUCATION DEPARTMENT	STATE	$375,106.00	BROOKLYN COLLEGE	ROMER, NANCY
Building Networks to College	NYS HIGHER EDUCATION SERVICES CORPORATION	STATE	$174,750.00	BROOKLYN COLLEGE	ROMER, NANCY
Creating a Collection of Microalgae and Screening for Use in Biofuels Research	U.S. AIR FORCE	FEDERAL	$181,729.00	BROOKLYN COLLEGE	POLLE, JUERGEN
Educational Talent Search Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$334,150.00	BROOKLYN COLLEGE	TOUSSAINT, CEDRIC

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Child Care Access Means Parents In School (CCAMPIS)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$186,552.00	BROOKLYN COLLEGE	PEARSALL, BETTY
Recovery Act-Carbon Dioxide Sealing Capacity: Textural or Compositional Controls	U.S. DEPARTMENT OF ENERGY	FEDERAL	$296,881.00	BROOKLYN COLLEGE	CRANGANU, CONSTANTIN
Jamaica Bay Bioblitz, Gateway National Recreation Area	U.S. DEPARTMENT OF THE INTERIOR / NATIONAL Park Service	FEDERAL	$9,988.00	BROOKLYN COLLEGE	BOGER, REBECCA A.
National Parks of New York Harbor (NPNH) Education Center	U.S. DEPARTMENT OF THE INTERIOR / NATIONAL Park Service	FEDERAL	$12,000.00	BROOKLYN COLLEGE	SHANLEY, DEBORAH
Quicket Detection in Correlated Multi-Sensor System	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$15,000.00	BROOKLYN COLLEGE	HADJILIADIS, OLYMPIA
NEWS Science Integration Team	NASA	FEDERAL	$157,587.00	CITY COLLEGE	ROSSOW, WILLIAM
NASA Research Announcement (NRA)/Research Opportunities in Space and Earth Sciences-2005	NASA	FEDERAL	$174,079.00	CITY COLLEGE	ROSSOW, WILLIAM
Maintenance of the AMSR-E SWE Algorithm	NASA	FEDERAL	$136,400.00	CITY COLLEGE	TEDESCO, MARCO
Global Cloud Process Studies in the Context of Decadal Climate Variability: Enhancement and Continuation of Data Analysis for the International Satellite Cloud Climatology Project (ISCCP)	NASA	FEDERAL	$189,817.00	CITY COLLEGE	ROSSOW, WILLIAM
NASA Research Announcement (NRA)/Research Opportunities in Space and Earth Sciences-2006	NASA	FEDERAL	$392,547.00	CITY COLLEGE	VOROSMARTY, CHARLES
NASA Research Announcement (NRA)/ Research Opportunitites in Fluid Physics	NASA	FEDERAL	$300,000.00	CITY COLLEGE	RUMSCHITZKI, DAVID
NASA Research Announcement (NRA)/Research Opportunities for Fundamental Space Biology Investigations in Microbial, Plant and Cell Biology	NASA	FEDERAL	$50,000.00	CITY COLLEGE	ALFANO, ROBERT
Estimation of Melt Onset and Refreezing Dates from Passive Microwave Observations	NASA	FEDERAL	$42,000.00	CITY COLLEGE	TEDESCO, MARCO
NASA Research Announcement (NRA)/Research Opportunities in Space and Earth Sciences-2008 (ROSES)	NASA	FEDERAL	$122,405.00	CITY COLLEGE	KHANBILVARDI, REZA
Partnerships for Research and Education in Materials (PREM): City College-Chicago Materials Research Science and Engineering Centers (MRSEC) Partnership on the Dynamics of Heterogeneous and Particulate Materials	NATIONAL SCIENCE FOUNDATION	FEDERAL	$3,000,000.00	CITY COLLEGE	MORRIS, JEFFREY
Improving Surface Mass Balance Estimation of the Greenland Ice Sheet Through Assimilation of Multi-Sensor Satellite Products and Ground Measurements into a Regional Climate Model	NATIONAL SCIENCE FOUNDATION	FEDERAL	$572,430.00	CITY COLLEGE	TEDESCO, MARCO
Effects of Hydrodynamic Factors on Tumor Cell Arrest and Adhesion in the Microcirculation	NATIONAL SCIENCE FOUNDATION	FEDERAL	$80,000.00	CITY COLLEGE	FU, BINGMEI
Humans Transforming the Water Cycle: Community-Based Activities in Hydrologic Synthesis	NATIONAL SCIENCE FOUNDATION	FEDERAL	$250,000.00	CITY COLLEGE	VOROSMARTY, CHARLES
Function of C. Elegans APL-1 in Molting	NATIONAL SCIENCE FOUNDATION	FEDERAL	$139,213.00	CITY COLLEGE	LI, CHRISTINE
A Lipobead Based Microarray Platform for the Label-Free Detection of Bacterial Exotoxins	NATIONAL SCIENCE FOUNDATION	FEDERAL	$88,840.00	CITY COLLEGE	MALDARELLI, CHARLES
Project Delta: Digital Environments for Learning and Teaching Algebra	NATIONAL SCIENCE FOUNDATION	FEDERAL	$392,580.00	CITY COLLEGE	FOSNOT, CATHERINE
Structure/Dynamics/Function Correlations in the Cystoviral Polymerase Complex	NATIONAL SCIENCE FOUNDATION	FEDERAL	$216,798.00	CITY COLLEGE	GHOSE, RANAJEET
Molecular Structure and Biomechanics of Plant Cuticular Membranes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$188,183.00	CITY COLLEGE	STARK, RUTH
Multi-Scale Investigation of the Role of Surface-Active Agents in Gas Hydrate Formation Kinetics	NATIONAL SCIENCE FOUNDATION	FEDERAL	$50,000.00	CITY COLLEGE	LEE, JAE
Louis Stokes Alliances for Minority Participation (LSAMP) Bridge to the Doctorate	NATIONAL SCIENCE FOUNDATION	FEDERAL	$987,000.00	CITY COLLEGE	PARKER, NEVILLE
Contextual Learning in the Adaptation of Saccadic Eye Movements	NATIONAL SCIENCE FOUNDATION	FEDERAL	$553,241.00	CITY COLLEGE	WALLMAN, JOSHUA

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Synthesis and Crystal Growth of Dilute Magnetic Semiconductors and Frustrated Magnets	NATIONAL SCIENCE FOUNDATION	FEDERAL	$249,999.00	CITY COLLEGE	KOWACH, GLEN
Collaborative Research: Topics in Gauge Theory, Gravity and, String Cosmology	NATIONAL SCIENCE FOUNDATION	FEDERAL	$480,000.00	CITY COLLEGE	NAIR, PARAMESWARAN (V.P.)
Aquaporin-1's Role in Transport Across Large Vessel Walls	NATIONAL SCIENCE FOUNDATION	FEDERAL	$194,500.00	CITY COLLEGE	RUMSCHITZKI, DAVID
Collaborative Research: Planning Grant: Industry/University Cooperative Research Center (I/UCRC) for Metamaterials	NATIONAL SCIENCE FOUNDATION	FEDERAL	$10,000.00	CITY COLLEGE	CROUSE, DAVID
Spectroscopic and Local Magnetic Measurements in High-Spin Molecular Nanomagnets	NATIONAL SCIENCE FOUNDATION	FEDERAL	$160,000.00	CITY COLLEGE	SARACHIK, MYRIAM
Bridges to Engineering Success for Transfers	NATIONAL SCIENCE FOUNDATION	FEDERAL	$300,000.00	CITY COLLEGE	BARBA, JOSEPH
Long-Range Dipolar Fields as a Tool for Nuclear Magnetic Resonance Microscopy	NATIONAL SCIENCE FOUNDATION	FEDERAL	$167,980.00	CITY COLLEGE	MERILES, CARLOS
Investigating a New Model Partnership for Teacher Preparation	NATIONAL SCIENCE FOUNDATION	FEDERAL	$333,437.00	CITY COLLEGE	STEINBERG, RICHARD
Effective Energy Functions for Proteins in Lipid Membranes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$200,580.00	CITY COLLEGE	LAZARIDIS, THEMIS
Understanding Impacts of Climate Change on Energy Infrastructure in Urbanized Coastal Area	NATIONAL SCIENCE FOUNDATION	FEDERAL	$129,496.00	CITY COLLEGE	GONZALEZ, JORGE
Advancing Mobile Robots to 3D	NATIONAL SCIENCE FOUNDATION	FEDERAL	$80,000.00	CITY COLLEGE	XIAO, JIZHONG
Statistical Analysis of Jammed Matter	NATIONAL SCIENCE FOUNDATION	FEDERAL	$90,000.00	CITY COLLEGE	MAKSE, HERNAN
New York City Louis Stokes Alliance Phase IV	NATIONAL SCIENCE FOUNDATION	FEDERAL	$1,156,500.00	CITY COLLEGE	PARKER, NEVILLE
Physical Science Comes Alive: Exploring Things That Go	NATIONAL SCIENCE FOUNDATION	FEDERAL	$724,025.00	CITY COLLEGE	BENENSON, GARY
EArly-concept Grants for Exploratory Research (EAGER): Rapid DNA Detection with a Fluctuating Surface-Active Peptide	NATIONAL SCIENCE FOUNDATION	FEDERAL	$50,000.00	CITY COLLEGE	TU, RAYMOND
Faculty Early Career Development (CAREER) Program: Multiple Dirichlet Series and Metaplectic Groups	NATIONAL SCIENCE FOUNDATION	FEDERAL	$400,000.00	CITY COLLEGE	CHINTA, GAUTAM
Ecology Disrupted: Using Real Scientific Data About Daily Life to Link Environmental Issues to Ecological Processes in Secondary School Science Classrooms	NATIONAL SCIENCE FOUNDATION	FEDERAL	$426,759.00	CITY COLLEGE	WYNER, YAEL
EArly-concept Grants for Exploratory Research (EAGER): Novel Micro Electro Mechanical Systems (MEMS) Biosensor for Real Time Study of the Attachment of Cancer Cells	NATIONAL SCIENCE FOUNDATION	FEDERAL	$150,000.00	CITY COLLEGE	VOICULESCU, IOANA
A Cost Effective Migration Path to a Fully Packet Based Hybrid Fixed/Mobile Backhaul Infrastructure	NATIONAL SCIENCE FOUNDATION	FEDERAL	$232,701.00	CITY COLLEGE	MADAMOPOULOS, NICHOLAS
Acquisition of a GC/MS for Research and Teaching	NATIONAL SCIENCE FOUNDATION	FEDERAL	$137,605.00	CITY COLLEGE	SIMMS, SIMON
Emerging Methodologies for Molecular Structure Determination in Biological Solids	NATIONAL SCIENCE FOUNDATION	FEDERAL	$104,354.00	CITY COLLEGE	STARK, RUTH
A Simple, Robust Biomimetic Charge Separation Protein Domain	NATIONAL SCIENCE FOUNDATION	FEDERAL	$444,880.00	CITY COLLEGE	KODER, RONALD
Feeding and Exciting Bone Cells with Interstitial Fluid Movement	NATIONAL SCIENCE FOUNDATION	FEDERAL	$250,000.00	CITY COLLEGE	COWIN, STEPHEN
Theoretical and Experimental Approaches to Search Problems in Group Theory	NATIONAL SCIENCE FOUNDATION	FEDERAL	$73,495.00	CITY COLLEGE	SHPILRAIN, VLADIMIR
MRI: Acquisition of a Multi-Pocket E-Beam Evaporator for Nano/Micro Facility	NATIONAL SCIENCE FOUNDATION	FEDERAL	$234,400.00	CITY COLLEGE	SEO, SANG-WOO
Context-Based Indoor Object Detection	NATIONAL SCIENCE FOUNDATION	FEDERAL	$101,671.00	CITY COLLEGE	TIAN, YINGLI
VOSS: New Generations of Scientific Knowledge in Collaboratories	NATIONAL SCIENCE FOUNDATION	FEDERAL	$368,210.00	CITY COLLEGE	BINZ-SCHARF, MARIA
Investigation of Factors Affecting Adsorption Capacity and Selectivity of Activated Carbon in Highly Efficient Desulfurization of Diesel Fuel	NATIONAL SCIENCE FOUNDATION	FEDERAL	$291,762.00	CITY COLLEGE	BANDOSZ, TERESA
MRI: Acquisition of a High Resolution X-Ray Diffraction System for Materials Research	NATIONAL SCIENCE FOUNDATION	FEDERAL	$475,000.00	CITY COLLEGE	TAMARGO, MARIA
Cognitive Neuroscience of Visual Awareness	NATIONAL SCIENCE FOUNDATION	FEDERAL	$176,567.00	CITY COLLEGE	RO, TONY
Collaborative Research: Experiment, Simulation, and Theory of Slowly Driven Granular Materials From Micro-State Statistics to Macroscopic Properties	NATIONAL SCIENCE FOUNDATION	FEDERAL	$194,658.00	CITY COLLEGE	SHATTUCK, MARK

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Course, Curriculum, and Laboratory Improvement (CCLI): CREATE Cornerstone-Inspiring Undergraduates to Persist and Succeed in the Biology Major	NATIONAL SCIENCE FOUNDATION	FEDERAL	$199,723.00	CITY COLLEGE	HOSKINS, SALLY
Pattern Formation in Self-Organized Surface Confined Peptides	NATIONAL SCIENCE FOUNDATION	FEDERAL	$131,917.00	CITY COLLEGE	TU, RAYMOND
2010-2012 NYC Alliance Bridge to the Doctorate-BD Site: CUNY Graduate School	NATIONAL SCIENCE FOUNDATION	FEDERAL	Sub-award of preceding grant	CITY COLLEGE	PARKER, NEVILLE
Summer Research Experience at the Royal Institute of Technology in Stockholm, Sweden	NATIONAL SCIENCE FOUNDATION	FEDERAL	$150,000.00	CITY COLLEGE	KRETZSCHMAR, ILONA
Osteocyte Integrity and Bone Remodeling	NIH-NATIONAL ARTHRITIS AND MUSCULOSKELETAL & SKIN DISEASES	FEDERAL	$397,522.55	CITY COLLEGE	SCHAFFLER, MITCHELL
Decision-Making About Childhood HPV Vaccination Among Low Socioeconomic Status (SES) Mothers	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$75,374.00	CITY COLLEGE	FLOYD, TIFFANY
Memorial Sloan-Kettering Cancer Center Partnership, Training, and Community Outreach	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$1,712,556.00	CITY COLLEGE	HUBBARD, KAREN
Tumor Cell Arrest and Adhesion in the Microcirculation	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$154,000.00	CITY COLLEGE	FU, BINGMEI
Cellular/Molecular Basis of Development: Research Center	NIH-NATIONAL CENTER FOR RESEARCH RESOURCE	FEDERAL	$2,064,899.00	CITY COLLEGE	PAASWELL, ROBERT
Role of Vision in Etiology of Axial Myopia	NIH-NATIONAL EYE INSTITUTE (NEI)	FEDERAL	$476,204.00	CITY COLLEGE	WALLMAN, JOSHUA
Is Saccade Adaptation Guided by Reinforcement	NIH-NATIONAL EYE INSTITUTE (NEI)	FEDERAL	$247,954.00	CITY COLLEGE	WALLMAN, JOSHUA
A National Urban Model for Minority Undergraduate Biomedical Education	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$485,683.00	CITY COLLEGE	WEINBAUM, SHELDON
Shear Stress Effects on Endothelial Transport	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$63,707.00	CITY COLLEGE	TARBELL, JOHN
Hemodynamic Forces Affect Endothelial Cell Pheotype in Arterial Disease	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$376,127.00	CITY COLLEGE	TARBELL, JOHN
Predicting Cardiovascular Risk in Vulnerable Plaque Rupture	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$408,078.00	CITY COLLEGE	WEINBAUM, SHELDON
Genetic and Epigenetic Regulation of Hematopoiesis	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$363,400.00	CITY COLLEGE	SALEQUE, SHIREEN
The Endothelial Glycocalyx: Its Structure and Function as a Mechanotransducer	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$578,002.00	CITY COLLEGE	TARBELL, JOHN
Role of CD14 and Other Innate Immune Receptors in Severe Sepsis	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$381,150.00	CITY COLLEGE	GOYERT, SANNA
Crosstalk Control of Thymic Epithelial Development	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$301,500.00	CITY COLLEGE	PEZZANO, MARK
Modeling Membrane Binding and Permeabilization by Antimicrobial Peptides	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$256,113.00	CITY COLLEGE	LAZARIDIS, THEMIS
Role of Myc in the Growth Regulation Pathways	NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES	FEDERAL	$374,200.00	CITY COLLEGE	BELLOSTA, PAOLA
Minority Biomedical Research Support (MBRS)/Support of Continuous Research Excellence (SCORE) Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$1,379,505.00	CITY COLLEGE	HUBBARD, KAREN
Minority Biomedical Research Support (MBRS)/Support of Continuous Research Excellence (SCORE) Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$93,500.00	CITY COLLEGE	HUBBARD, KAREN
Minority Access to Research Careers (MARC) Honors Undergraduate Research Training Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$161,671.00	CITY COLLEGE	LEVITT, JONATHAN
Minority Access to Research Careers (MARC) Honors Undergraduate Research Training Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	Sub-award of preceding grant	CITY COLLEGE	LEVITT, JONATHAN
Research Support for Biomedical Careers	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$655,467.00	CITY COLLEGE	STEINBERG, MARK
Hsp90 Chaperone Machine Structure and Function	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$84,010.00	CITY COLLEGE	CAPLAN, AVROM
Studies in Chemical Carcinogenesis	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$26,107.00	CITY COLLEGE	LAKSHMAN, MAHESH

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Catalytic Domain Dynamics in Protein Kinases	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$326,095.00	CITY COLLEGE	GHOSE, RANAJEET
Protein Phosphorylation in Pre-mRNA 3' Cleavage	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$269,500.00	CITY COLLEGE	RYAN, KEVIN
Characterization of the Molecular Mechanisms of Cell Division in Escherichia Coli	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$154,000.00	CITY COLLEGE	JANAKIRAMAN, ANURADHA
Characterization of the Molecular Mechanisms of Cell Division in Escherichia Coli	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$157,889.00	CITY COLLEGE	JANAKIRAMAN, ANURADHA
Activation of the Cyclin D1 Promoter by Arsenite	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$115,500.00	CITY COLLEGE	STEINBERG, MARK
The Molecular Structure of the Ribonucleic Acid (RNA) Polymerase Portal of a Bacteriophage-Reovirus	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$346,500.00	CITY COLLEGE	GOTTLIEB, PAUL
The Role of Alpha-Band Oscillations in Feature-Based Selective Attention	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$27,512.00	CITY COLLEGE	FOXE, JOHN
Consolidation of Motor Skills and Sleep Homeostatis in Parkinson's Disease	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$346,557.00	CITY COLLEGE	GHILARDI, FELICE
Lesion and Activity Dependent Corticospinal Tract Plasticity	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$686,732.00	CITY COLLEGE	MARTIN, JOHN
Activity Refines Corticospinal Terminations	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$495,699.00	CITY COLLEGE	MARTIN, JOHN
Age Related Bone Loss Assessed by Ultrasound Tomography: Bone Quality Beyond BMD	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$145,900.00	CITY COLLEGE	CARDOSO, LUIS
Temperature-Dependent Lethality of APL-1: A C.elegans Protein Related to Human A	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$157,850.00	CITY COLLEGE	LI, CHRISTINE
Role of APL-1 C.elegans Protein Related to Human Amyloid Precursor Protein	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$304,630.00	CITY COLLEGE	LI, CHRISTINE
Heat Shock Effects on Human Mesenchymal Stem Cell Differentiation in Hydrogel	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$143,200.00	CITY COLLEGE	WANG, SIHONG
Behavioral Mechanisms of Vocal Imitation	NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS	FEDERAL	$257,623.00	CITY COLLEGE	TCHERNICHOVSKI, OFER
Minority Institutions' Drug Abuse Research Development Program (MIDARP)	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$429,901.00	CITY COLLEGE	FRIEDMAN, EITAN
A Randomized Trial of Concurrent Treatment for Post-Traumatic Stress Disorder (PTSD) and Substance Dependence	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$612,351.00	CITY COLLEGE	HIEN, DENISE
Accumbens Coding of Reward Expectation: Electrophysiology and Neuropharmacology	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$332,219.00	CITY COLLEGE	HORVITZ, JON CRAIG
Sophie Davis Medical School/Queens Bridge to Medicine Program	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$16,500.00	CITY COLLEGE	ILER, ELISABETH
University Transportation Research Consortium	NYS DEPARTMENT OF TRANSPORTATION	STATE	$807,460.00	CITY COLLEGE	KAMGA, CAMILLE
University Transportation Research Center (UTRC)	NYS DEPARTMENT OF TRANSPORTATION	STATE	$1,752,425.00	CITY COLLEGE	SOLECKI, WILLIAM
University Transportation Research Consortium - New York Metropolitan Transportation Council (NYMTC)	NYS DEPARTMENT OF TRANSPORTATION	STATE	$699,710.00	CITY COLLEGE	KAMGA, CAMILLE
University Transportation Research Consortium - New York Metropolitan Transportation Council (NYMTC)	NYS DEPARTMENT OF TRANSPORTATION	STATE	$107,750.00	CITY COLLEGE	KAMGA, CAMILLE
Study of Goods Movement Through I-278 in NYC and NJ	NYS DEPARTMENT OF TRANSPORTATION	STATE	Sub-award of preceding grant	CITY COLLEGE	KAMGA, CAMILLE
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$338,598.00	CITY COLLEGE	SLATER, MORTON
Academy for Professional Preparation	NYS EDUCATION DEPARTMENT	STATE	$343,202.00	CITY COLLEGE	ROTH, MILLICENT
Discovery in Science	NYS EDUCATION DEPARTMENT	STATE	$100,779.00	CITY COLLEGE	BORMAN, GREGORY
Integrated System for Professional Development to Improve Science and Technology Training and Learning in Grades K-8	NYS EDUCATION DEPARTMENT	STATE	$35,660.00	CITY COLLEGE	RAIA, FREDERICA
Extended School Day/Violence Prevention Program	NYS EDUCATION DEPARTMENT	STATE	$187,057.00	CITY COLLEGE	WITHERSPOON, KAREN
Teaching Dominican Studies and Casa Duarte	NYS EDUCATION DEPARTMENT	STATE	$100,000.00	CITY COLLEGE	HERNANDEZ, RAMONA

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Settlement College Readiness Program (SCRP) and Student Temporary Employment Program (STEP) Partnership	NYS EDUCATION DEPARTMENT	STATE	$116,643.00	CITY COLLEGE	BROWN, RAMONA
English Language Learning	NYS EDUCATION DEPARTMENT	STATE	$97,913.00	CITY COLLEGE	LEMONS, DANIEL
Queens Bridge to Medicine Outreach	NYS EDUCATION DEPARTMENT	STATE	$5,000.00	CITY COLLEGE	SLATER, MORTON
State Adult Literacy & Basic Adult Education	NYS EDUCATION DEPARTMENT	STATE	$179,411.00	CITY COLLEGE	LEMONS, DANIEL
Building Performance Laboratory	NYS ENERGY RESEARCH & DEVELOPMENT AUTHORITY	STATE	$210,000.00	CITY COLLEGE	KAMGA, CAMILLE
Epitaxial Nucleation on Rationally Designed Peptide Functionalized Interfaces	U.S. AIR FORCE	FEDERAL	$100,000.00	CITY COLLEGE	TU, RAYMOND
Development of Rectal Near Infrared Scanning Polarization Imaging Unit and Independent Component Analysis Algorithm for Prostate Cancer Detection	U.S. ARMY	FEDERAL	$178,460.00	CITY COLLEGE	WANG, WUBAO
Nanoscale Photonic, Optoelectronic Materials, and Devices	U.S. ARMY	FEDERAL	$185,470.00	CITY COLLEGE	GAYEN, SWAPAN
Academic Exchanges and Colloquium Support	U.S. ARMY	FEDERAL	Sub-award of preceding grant	CITY COLLEGE	SAADAWI, TAREK
Advanced Lightweight Multi-Functional Multi-Threat Composite Armor Technology	U.S. ARMY	FEDERAL	$2,162,250.00	CITY COLLEGE	DELALE, FERIDUN
Towards Autonomous Miniature Rotocrafts in Cluttered Environment for Scene Understanding	U.S. ARMY	FEDERAL	$148,215.00	CITY COLLEGE	XIAO, JIZHONG
Active Ballistic Signal Propagation and Imaging Using Vortex Beams	U.S. ARMY	FEDERAL	$226,000.00	CITY COLLEGE	ALFANO, ROBERT
Nanoengineered Carbon-Based Materials for Reactive Adsorption of Toxic Industrial Compounds	U.S. ARMY	FEDERAL	$177,521.00	CITY COLLEGE	BANDOSZ, TERESA
Broadband Frequency-Agile Laser for Covert Optical Communication	U.S. ARMY	FEDERAL	$75,000.00	CITY COLLEGE	GAYEN, SWAPAN
FY2010 Summer Undergraduate Research Fellowship Program (SURF)	U.S. DEPARTMENT OF COMMERCE-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY	FEDERAL	$15,910.00	CITY COLLEGE	GOSSER, YUYING
National Oceanic and Atmospheric Administration (NOAA) Cooperative Center for Remote Sensing Science and Technology (CREST)	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$2,470,000.00	CITY COLLEGE	KHANBILVARDI, REZA
Satellite Earth Science Sensor Compression and Product Algorithm Research	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$268,200.00	CITY COLLEGE	MAHANI, SHAYESTEH
Annual Colloquium and Early Career Exchange Program	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$37,000.00	CITY COLLEGE	MERCHANT, SHAKILA
Inter-Calibration and Scaling-Up Algorithm for Spinning Enhanced Visible and InfraRed Imager (SEVIRI) and, NOAA-18 Data (Development, Validation and, Application)	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$125,000.00	CITY COLLEGE	ROYTMAN, LEONID
New Integrated Observation Platform in the Long Island Sound	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$50,000.00	CITY COLLEGE	GILERSON, ALEX
Advanced Technique for Mapping and Monitoring Sea and Lake Ice for the Future the Geostationary Operational Environmental Satellite-R Series (GOES-R) Program Advanced Baseline Imager (ABI)	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$125,000.00	CITY COLLEGE	TEMIMI, MAROUANE
Creating UTH-Related FCDRs from IR and Microwave Sensors Cross-Calibrated by In Situ Measurements from Commercial Aircraft	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$196,455.00	CITY COLLEGE	LUO, ZHENGZHAO
Student Support Services Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$550,298.00	CITY COLLEGE	THANGARAJ, ELIZABETH
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$311,462.00	CITY COLLEGE	WITHERSPOON, KAREN
Educational Material for an Interdisciplinary Program: Master of Science in Sustainability	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$290,600.00	CITY COLLEGE	JIJI, LATIF
The Charles B. Rangel Center for Public Service	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$529,806.00	CITY COLLEGE	SILVERSTEIN, BRETT
Study of Elasticity, Sound Propagation, and Attenuation of Acoustic Modes in Granular Media	U.S. DEPARTMENT OF ENERGY	FEDERAL	$118,324.00	CITY COLLEGE	MAKSE, HERNAN

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Complex Fluids in Self-Affine Fractures	U.S. DEPARTMENT OF ENERGY	FEDERAL	$94,081.00	CITY COLLEGE	KOPLIK, JOEL
Feature-Based Data Fusion for 3D Photography	U.S. DEPARTMENT OF ENERGY	FEDERAL	$525,000.00	CITY COLLEGE	WOLBERG, GEORGE
Enhancing the Capability of the Reactor Thermal-Hydraulics and Safety Research Laboratory	U.S. DEPARTMENT OF ENERGY	FEDERAL	$197,500.00	CITY COLLEGE	KAWAJI, MASASHIRO
Studies of Photosynthetic Reaction Center and Biomimetic Systems	U.S. DEPARTMENT OF ENERGY	FEDERAL	$171,996.00	CITY COLLEGE	GUNNER, MARILYN
Synthesis and Engineering of Submonolayer Type-II Quantum Dots to Enhance Material Properties of Wide Bandgap Semiconductors	U.S. DEPARTMENT OF ENERGY	FEDERAL	$200,000.00	CITY COLLEGE	TAMARGO, MARIA
Thermal Conductivity and Thermopower Near the 2D Metal-Insulator Transition	U.S. DEPARTMENT OF ENERGY	FEDERAL	$150,000.00	CITY COLLEGE	SARACHIK, MYRIAM
Infrared Studies of CdMgTe as the Material of Choice for Room Temperature Gamma-Ray Detectors	U.S. DEPARTMENT OF HOMELAND SECURITY	FEDERAL	$95,585.00	CITY COLLEGE	TU, JIUFENG
ARI_SA: Infrared Studies of CdMgTe as the Material of Choice for Room Temperature Gamma-Ray Detectors	U.S. DEPARTMENT OF HOMELAND SECURITY	FEDERAL	Sub-award of preceding grant	CITY COLLEGE	TU, JIUFENG
Development of Advanced Raman Spectroscopy Methods and Databases for the Evaluation of Trace Evidence and the Examination of Questioned Documents-Phase II	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$435,070.00	CITY COLLEGE	LOMBARDI, JOHN
System for Focal Cranial Electrical Stimulation	U.S. DEPARTMENT OF THE INTERIOR/NATIONAL BUSINESS CENTER	FEDERAL	$12,038.00	CITY COLLEGE	PARRA, LUCAS
System for Focal Cranial Electric Stimulation-Safety and Efficacy Evaluation	U.S. DEPARTMENT OF THE INTERIOR/NATIONAL BUSINESS CENTER	FEDERAL	$337,344.00	CITY COLLEGE	PARRA, LUCAS
Green Advanced Coatings for Application on Steel Structures and Bridges	U.S. DEPARTMENT OF TRANSPORTATION/ FEDERAL HIGHWAY ADMINISTRATION	FEDERAL	$500,000.00	CITY COLLEGE	ELVIN, NIELL
University Transportation Research Center	U.S. DEPARTMENT OF TRANSPORTATION/ NATIONAL HIGHWAY TRAFFIC SAFETY ADMIN.	FEDERAL	$2,255,008.00	CITY COLLEGE	KAMGA, CAMILLE
Geometric Graph Theory	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$56,578.00	CITY COLLEGE	PACH, JANOS
Impact of Climate Change and Variability on the Nation's Water Quality and Ecosystem State	U.S. ENVIRONMENTAL PROTECTION AGENCY	FEDERAL	$278,472.00	CITY COLLEGE	VOROSMARTY, CHARLES
Multiphysics Object-Oriented Reconfigurable Fluid Environment for Unified Simulations (MORFEUS)	U.S. NAVY	FEDERAL	$194,999.00	CITY COLLEGE	KOPLIK, JOEL
Exploring Techniques for Improving Retrievals of Bio Optical Properties of Coastal Waters	U.S. NAVY	FEDERAL	$300,000.00	CITY COLLEGE	AHMED, SAMIR
Miscellaneous	U.S. NUCLEAR REGULATORY COMMISSION (NRC)	FEDERAL	$32,287.00	CITY COLLEGE	BANERJEE, SANJOY
A Nuclear Engineering Concentration in the Department of Mechanical and Chemical Engineering	U.S. NUCLEAR REGULATORY COMMISSION (NRC)	FEDERAL	$145,000.00	CITY COLLEGE	ANDREOPOULOS, YIANNIS
Nuclear Research Scholarship Program	U.S. NUCLEAR REGULATORY COMMISSION (NRC)	FEDERAL	$200,000.00	CITY COLLEGE	KAWAJI, MASASHIRO
Development of a Nuclear Thermal-Hydraulics and Safety Program	U.S. NUCLEAR REGULATORY COMMISSION (NRC)	FEDERAL	$448,978.00	CITY COLLEGE	LEE, TAEHUN
Advanced Education Nursing Traineeships	HRSA-DIVISION OF NURSING	FEDERAL	$12,988.00	COLLEGE OF STATEN ISLAND	O'DONNELL, MARY
Development of Controlled Palladium (0)-Catalyzed Cross-Coupling Polymerizations	NATIONAL SCIENCE FOUNDATION	FEDERAL	$370,000.00	COLLEGE OF STATEN ISLAND	HU, QIAO-SHENG
Research in Set Theory	NATIONAL SCIENCE FOUNDATION	FEDERAL	$70,000.00	COLLEGE OF STATEN ISLAND	HAMKINS, JOEL
Research Experiences for Undergraduates (REU) Site: Earth, Planetary Science, and Astrophysics at the American Museum of Natural History	NATIONAL SCIENCE FOUNDATION	FEDERAL	$21,390.00	COLLEGE OF STATEN ISLAND	LIU, CHARLES
II-EN: Computing Research Infrastructure	NATIONAL SCIENCE FOUNDATION	FEDERAL	$452,410.00	COLLEGE OF STATEN ISLAND	KRESS, MICHAEL
STEM Talent Expansion via Applied Mathematics (STEAM)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$198,748.00	COLLEGE OF STATEN ISLAND	FRITZ, WILLIAM
RUI: Transcriptional Regulation of IN01 in Yeast	NATIONAL SCIENCE FOUNDATION	FEDERAL	$182,010.00	COLLEGE OF STATEN ISLAND	SHEN, CHANG-HUI
Ordered Mesoporous Materials with Closed Pores	NATIONAL SCIENCE FOUNDATION	FEDERAL	$185,796.00	COLLEGE OF STATEN ISLAND	KRUK, MICHAL
Geometry of the Mapping Class Group and Applications to 3-Manifolds	NATIONAL SCIENCE FOUNDATION	FEDERAL	$69,147.00	COLLEGE OF STATEN ISLAND	MAHER, JOSEPH

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
II-EN: CUNY Computing Research Infrastructure	NATIONAL SCIENCE FOUNDATION	FEDERAL	$842,499.00	COLLEGE OF STATEN ISLAND	KRESS, MICHAEL
Career: Dynamics and Transport of Excited Strongly Correlated Many-Particle Systems	NATIONAL SCIENCE FOUNDATION	FEDERAL	$180,000.00	COLLEGE OF STATEN ISLAND	OGANESYAN, VADIM
Tau Phosphorylation and Neurodegeneration	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$148,846.00	COLLEGE OF STATEN ISLAND	ALONSO, ALEJANDRA
NYS Spinal Cord Injury Research Program	NYS DEPARTMENT OF HEALTH	STATE	$347,851.00	COLLEGE OF STATEN ISLAND	KNIKOU, MARIA
Acrobatic Exercises and Spinal Stimulation After Spinal Cord Injury	NYS DEPARTMENT OF HEALTH	STATE	$152,399.00	COLLEGE OF STATEN ISLAND	AHMED, ZAGHLOUL
St. George Ferry Terminal to College of Staten Island Shuttle Service	NYS DEPARTMENT OF TRANSPORTATION	STATE	$410,500.00	COLLEGE OF STATEN ISLAND	RIOS, EDWARD
Advisement and Mentoring for AAS Students in Business, Computer Science and Nursing	NYS EDUCATION DEPARTMENT	STATE	$332,501.00	COLLEGE OF STATEN ISLAND	SHEPARDSON, SUZY
Science & Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$241,842.00	COLLEGE OF STATEN ISLAND	FRITZ, WILLIAM
Collegiate Science & Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$193,951.00	COLLEGE OF STATEN ISLAND	FRITZ, WILLIAM
Coordinated Collection Development Aid	NYS EDUCATION DEPARTMENT	STATE	$12,972.00	COLLEGE OF STATEN ISLAND	JONES, WILMA
Phase II Documentary Planning Project: Staten Island's Environmental History	NYS EDUCATION DEPARTMENT	STATE	$13,079.00	COLLEGE OF STATEN ISLAND	KASER, JAMES
English Language/Civics Education	NYS EDUCATION DEPARTMENT	STATE	$173,888.00	COLLEGE OF STATEN ISLAND	KIJNE, HUGO
Staten Island Project Undergraduate Political Science Internships	NYS EDUCATION DEPARTMENT	STATE	$3,500.00	COLLEGE OF STATEN ISLAND	FLANAGAN, RICHARD
Improvement of Pre and Postdoctoral Education and Research in Developmental Neuroscience and Developmental Disabilities	NYS OFFICE FOR PEOPLE WITH DEVELOPMENTAL DISABILITIES	STATE	$580,650.00	COLLEGE OF STATEN ISLAND	FREEDLAND, ROBERT
Faculty Development Program	NYS OFFICE OF SCIENCE, TECHNOLOGY, AND ACADEMIC RESEARCH	STATE	$500,000.00	COLLEGE OF STATEN ISLAND	LYONS, ALAN
Ion Beam Written Carbon Nanostructures on Carbonaceous Substrates	U.S. ARMY	FEDERAL	$50,000.00	COLLEGE OF STATEN ISLAND	ZAITSEV, ALEXANDRE
Mentoring as a Means to Students' Academic Success	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$100,000.00	COLLEGE OF STATEN ISLAND	KRESS, MICHAEL
Project Discovery Builds a School Pyramid for College Success	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$617,600.00	COLLEGE OF STATEN ISLAND	PAPPAS, MICHAEL
Analysis of Self-Similar Solutions of Multidimensional Conservation Laws	U.S. DEPARTMENT OF ENERGY	FEDERAL	$35,894.00	COLLEGE OF STATEN ISLAND	TESDALL, ALLEN
Distribution and Abundance of Birds in the Northwest Atlantic Ocean	U.S. DEPARTMENT OF THE INTERIOR/FISH & WILDLIFE SERVICE	FEDERAL	$190,000.00	COLLEGE OF STATEN ISLAND	VEIT, RICHARD
Community Legal Resource Network (CLRN) Housing Initiative	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$200,000.00	CUNY LAW SCHOOL @ QUEENS COLLEGE	ROONEY, FRED P.
Northern Manhattan Housing Initiative	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$25,000.00	CUNY LAW SCHOOL @ QUEENS COLLEGE	ROONEY, FRED P.
Legislative Item	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$7,000.00	CUNY LAW SCHOOL @ QUEENS COLLEGE	ROONEY, FRED P.
Legislative Item	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$15,000.00	CUNY LAW SCHOOL @ QUEENS COLLEGE	ROONEY, FRED P.
Legislative Item	NYS SENATE FINANCE COMMITTEE	STATE	$13,000.00	CUNY LAW SCHOOL @ QUEENS COLLEGE	ROONEY, FRED P.
Learn and Serve America Program	CORPORATION FOR NATIONAL SERVICE	FEDERAL	$676,814.00	GRADUATE SCHOOL	HECHT, DEBORAH
Advanced Education Nursing Traineeship	HRSA-DIVISION OF NURSING	FEDERAL	$11,508.00	GRADUATE SCHOOL	FREDERICKSON, KEVILLE
Music in Gotham: The New York Scene, 1862-1875, From Selected Printed Sources	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$314,987.00	GRADUATE SCHOOL	GRAZIANO, JOHN
Revisiting the Sociolinguistic Analysis of Variable Coda /s/ Weakening in Spanish: An Instrumental Phonetic Approach	NATIONAL SCIENCE FOUNDATION	FEDERAL	$224,410.00	GRADUATE SCHOOL	OTHEGUY, RICARDO
Doctoral Dissertation Improvement Grant: Development, Privatization, and Statelessness in the West Bank	NATIONAL SCIENCE FOUNDATION	FEDERAL	$15,000.00	GRADUATE SCHOOL	BLIM, MICHAEL
Graduate Research Fellowship	NATIONAL SCIENCE FOUNDATION	FEDERAL	$163,000.00	GRADUATE SCHOOL	HIRSH, JOSEPH
Minority Access/Graduate Networking in the Sciences, Technology, Engineering, and Mathematics (MAGNET-STEM II)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$1,291,000.00	GRADUATE SCHOOL	SMITH, GAIL

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
The Work of Women Scientists: An Innovative Publishing Project	NATIONAL SCIENCE FOUNDATION	FEDERAL	$39,990.00	GRADUATE SCHOOL	SCHWARTZ, BRIAN
SBES Alliance-CUNY/Michigan AGEP Alliance	NATIONAL SCIENCE FOUNDATION	FEDERAL	$171,350.00	GRADUATE SCHOOL	SMITH, GAIL
Doctoral Dissertation Improvement Grant: Citizenship, Poverty, and the New Role of Tuberculosis Sanatoria in Post-Socialist Romania	NATIONAL SCIENCE FOUNDATION	FEDERAL	$9,955.00	GRADUATE SCHOOL	SUSSER, IDA
FRG: Collaborative Research: Algebraic Dynamics	NATIONAL SCIENCE FOUNDATION	FEDERAL	$192,110.00	GRADUATE SCHOOL	SZPIRO, LUCIEN
Doctoral Dissertation Research: Medical Migrations and Assisted Reproductive Technologies in Mumbai, India	NATIONAL SCIENCE FOUNDATION	FEDERAL	$12,569.00	GRADUATE SCHOOL	MULLINGS, LEITH
Doctoral Dissertation Research: Claiming Space, Redefining Politics: Road Blockades and the Articulation of Grassroots Power in Urban Bolivia	NATIONAL SCIENCE FOUNDATION	FEDERAL	$11,290.00	GRADUATE SCHOOL	EDELMAN, MARC
DDIG: Was There a Sensory Trade-Off in Primate Evolution: A Method of Tracing Vomerolfaction in the Fossil Record	NATIONAL SCIENCE FOUNDATION	FEDERAL	$19,715.00	GRADUATE SCHOOL	DELSON, ERIC
Doctoral Dissertation Research: The Politics of Land and Conservation in Rio de Janeiro, Brazil	NATIONAL SCIENCE FOUNDATION	FEDERAL	$13,500.00	GRADUATE SCHOOL	COLLINS, JOHN
Doctoral Dissertation Research: Landlord Abandonment and Mortgage Foreclosure in New York City Neighborhoods	NATIONAL SCIENCE FOUNDATION	FEDERAL	$11,916.00	GRADUATE SCHOOL	SAEGERT, SUSAN
Doctoral Dissertation Improvement Grant: Deriving Word Order in Code-Switching	NATIONAL SCIENCE FOUNDATION	FEDERAL	$5,940.00	GRADUATE SCHOOL	DEN DIKKEN, MARCEL
Residential Mobility and Young Children: Family, Neighborhoods, and Well-Being	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$471,925.00	GRADUATE SCHOOL	LENNON, MARY CLARE
Neuropsychological Functioning in HIV Positive and Methamphetamine Using Men	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$26,232.00	GRADUATE SCHOOL	GOLUB, SARIT
Partnership to Develop Mapping Applications and Interactive Online Databases for the Forest Service Northern Research Station, New York City Urban Field Station	U.S. DEPARTMENT OF AGRICULTURE/FOREST SERVICE	FEDERAL	$2,156.50	GRADUATE SCHOOL	ROMALEWSKI, STEVEN
Exploring Biogeochemical Connections Between Anthropogenic Nutrien Deposition and the Anaerobic Production of Hydrogen Sulfide in Wetland Systems	U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	FEDERAL	$20,000.00	GRADUATE SCHOOL	O'MULLAN, GREGORY
Undergraduate International Studies and Foreign Language Programs	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$89,000.00	GRADUATE SCHOOL	BARON, BETH
Fullbright-Hays Doctoral Dissertation Research Abroad Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$38,032.00	GRADUATE SCHOOL	SCHOENGOOD, MATTHEW
Jacob Javits Fellowship	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$43,552.00	GRADUATE SCHOOL	WILLIAMS, JOHN
Ethnographic Overview and Assessment of the Jamaica Bay Unit, Gateway National Recreation Area	U.S. DEPARTMENT OF THE INTERIOR / NATIONAL Park Service	FEDERAL	$96,410.00	GRADUATE SCHOOL	KORNBLUM, WILLIAM
From Inquiry to Innovation: Integrating the Humanities into General Education	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$95,433.00	HOSTOS C. C	MARKS, GREGORY
Library Collection	NYS EDUCATION DEPARTMENT	STATE	$7,070.00	HOSTOS C. C	ZOE, LUCINDA
Post-Secondary Grant	NYS EDUCATION DEPARTMENT	STATE	$1,062,909.00	HOSTOS C. C	MOLINA, CARLOS
Proyecto Access	NYS EDUCATION DEPARTMENT	STATE	$173,737.00	HOSTOS C. C	MOLINA, CARLOS
CUNY Bronx Work Incentives Planning and Assistance Project	SOCIAL SECURITY ADMINISTRATION	FEDERAL	$141,155.00	HOSTOS C. C	MERTENS, PETER
Collaborations in Public Health Law as it Relates to Oral Health Issues	CDC-NATIONAL CENTER FOR CHRONIC DISEASE	FEDERAL	$40,596.00	HUNTER COLLEGE	GEBBIE, KRISTINE M.
PS09-007, Evaluating Locally Developed Homegrown HIV Prevention Interventions	CDC-NATIONAL CENTER FOR HIV, STD AND TB	FEDERAL	$200,000.00	HUNTER COLLEGE	WHEELER, DARRELL
The Urban Teacher Partnership-AmeriCorps National Professional Corps Program	CORPORATION FOR NATIONAL SERVICE	FEDERAL	$179,819.00	HUNTER COLLEGE	GRAVES, SHERRYL
National Child Welfare Resource Centers	DHHS/ADMINISTRATION FOR CHILDREN AND FAMILIES	FEDERAL	$275,000.00	HUNTER COLLEGE	MALLON, GERALD
NRC for Permanency and Family Connections	DHHS/ADMINISTRATION FOR CHILDREN AND FAMILIES	FEDERAL	$1,374,836.00	HUNTER COLLEGE	MALLON, GERALD
Nursing Workforce Diversity	HRSA-DIVISION OF NURSING	FEDERAL	$294,845.00	HUNTER COLLEGE	DEGAZON, CYNTHIA

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Advanced Education Nursing Traineeship	HRSA-DIVISION OF NURSING	FEDERAL	$54,584.00	HUNTER COLLEGE	NOKES, KATHLEEN
Advanced Education Nursing Grants	HRSA-DIVISION OF NURSING	FEDERAL	$336,775.00	HUNTER COLLEGE	NOKES, KATHLEEN
Assessment of Radar and Lidar Data Fusion Algorithms to Map 3D Vegetation Structure and Biomass for the DESDyni Mission	NASA	FEDERAL	$100,710.64	HUNTER COLLEGE	NI-MEISTER, WENGE
Fusion of Remotely Sensed 3D Vegetation Structure with a Dynamic Global Terrestrial Ecosystem Model for Improved Estimates of Carbon Stocks and Land-Atmosphere Exchanges	NASA	FEDERAL	$119,421.00	HUNTER COLLEGE	NI-MEISTER, WENGE
Growth Control Regulated By p53 Mdm2 on Cromatin	NATIONAL SCIENCE FOUNDATION	FEDERAL	$166,034.00	HUNTER COLLEGE	BARGONETTI, JILL
Quantum State Discrimination and Quantum Walks	NATIONAL SCIENCE FOUNDATION	FEDERAL	$329,175.00	HUNTER COLLEGE	HILLERY, MARK
Functional Analisys of TEV Internal Ribosome Entry Site	NATIONAL SCIENCE FOUNDATION	FEDERAL	$187,000.00	HUNTER COLLEGE	GOSS, DIXIE
MRI: Acquisition of Range Scanning and Rapid Prototyping Equipment for 3D Urban Modeling	NATIONAL SCIENCE FOUNDATION	FEDERAL	$16,000.00	HUNTER COLLEGE	STAMOS, IOANNIS
Integration of Biomolecular Self-Assembly and Capacitance Spectroscopy on Pathogen Diagnostics-On-Chip	NATIONAL SCIENCE FOUNDATION	FEDERAL	$72,998.00	HUNTER COLLEGE	MATSUI, HIROSHI
MIND Alliance for Minority Students with Disabilities in Science, Technology, Engineering, and Mathematics	NATIONAL SCIENCE FOUNDATION	FEDERAL	$608,481.00	HUNTER COLLEGE	CARDOSO, ELIZABETH
Collaborative Research: Molecular Conduction in Confined Molecular Assemblies	NATIONAL SCIENCE FOUNDATION	FEDERAL	$178,152.00	HUNTER COLLEGE	DRAIN, CHARLES MICHAEL
DNA Elements Involved in Chromatin-Based Gene Regulation	NATIONAL SCIENCE FOUNDATION	FEDERAL	$39,815.00	HUNTER COLLEGE	ORTIZ, BENJAMIN
Physiological and Molecular Control Mechanisms in a Socially Regulated Escape Circuit in Cichlid Fish	NATIONAL SCIENCE FOUNDATION	FEDERAL	$240,514.00	HUNTER COLLEGE	PREUSS, THOMAS
Structure-Function Relationships of Metal Ion-Binding in the Spliceosomal U2-U6 snRNA Complex	NATIONAL SCIENCE FOUNDATION	FEDERAL	$680,000.00	HUNTER COLLEGE	GREENBAUM, NANCY
Algebraic Dynamics Over Global Fields: Geometric and Analytic Methods	NATIONAL SCIENCE FOUNDATION	FEDERAL	$120,343.00	HUNTER COLLEGE	PETSCHE, CLAYTON
Time-Dependent Density Functional Theory for Atoms, Molecules and Quantum Dots	NATIONAL SCIENCE FOUNDATION	FEDERAL	$30,000.00	HUNTER COLLEGE	MAITRA, NEEPA
Long Term Human Ecodynamics in the Norse North Atlantic: Cases of Sustainability, Survival and Collapse	NATIONAL SCIENCE FOUNDATION	FEDERAL	$138,244.00	HUNTER COLLEGE	MCGOVERN, THOMAS
Conference on Global Long Term Human Ecodynamics	NATIONAL SCIENCE FOUNDATION	FEDERAL	$49,900.00	HUNTER COLLEGE	MCGOVERN, THOMAS
Modeling Cities by Integrating 3D and 2D Data	NATIONAL SCIENCE FOUNDATION	FEDERAL	$474,963.00	HUNTER COLLEGE	STAMOS, IOANNIS
The Origin and Diversification of Hearing in Malagasy-South Asian Cichlids	NATIONAL SCIENCE FOUNDATION	FEDERAL	$111,480.00	HUNTER COLLEGE	BRAUN, CHRISTOPHER
Speciation of Technetium-99 Incorporated into Metal Oxide Matrices	NATIONAL SCIENCE FOUNDATION	FEDERAL	$132,000.00	HUNTER COLLEGE	FRANCESCONI, LYNN
MSC: Sequential Classification and Detection via Markov Models in Point Clouds of Urban Scenes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$379,998.00	HUNTER COLLEGE	STAMOS, IOANNIS
Hierarchical Self-Organization of Functional Materials	NATIONAL SCIENCE FOUNDATION	FEDERAL	$302,590.00	HUNTER COLLEGE	DRAIN, CHARLES MICHAEL
Acquisition of a Near Infrared Spectrometer to Rapidly Analyze Primate Diets	NATIONAL SCIENCE FOUNDATION	FEDERAL	$303,087.00	HUNTER COLLEGE	ROTHMAN, JESSICA
MRI-R2: Acquisition of TIRF Microscope for Studies of RNA Transport and Cell Surface Processes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$691,869.00	HUNTER COLLEGE	DICTENBERG, JASON
MRI-R2: Acquisition of a 500 MHz Multinuclear NMR for Investigation of Metal-Containing Systems	NATIONAL SCIENCE FOUNDATION	FEDERAL	$390,000.00	HUNTER COLLEGE	FRANCESCONI, LYNN
Building an Integrated Identification, Engagement, and Assessment Infrastructure for STEM Enrichment Programs	NATIONAL SCIENCE FOUNDATION	FEDERAL	$497,921.00	HUNTER COLLEGE	RABINOWITZ, VITA
Role of Phospholipase D in Tumorigenesis	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$236,009.00	HUNTER COLLEGE	FOSTER, DAVID
p53 Independent Cell Death Signaling by Mitomycin DNA Adducts	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$329,000.00	HUNTER COLLEGE	BARGONETTI, JILL
Radiometal Chelates for Targeted Therapy of Melanoma	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$286,794.00	HUNTER COLLEGE	FRANCESCONI, LYNN
RCMI: Research Center for the Study of Gene Structure and Function	NIH-NATIONAL CENTER FOR RESEARCH RESOURC	FEDERAL	$3,808,694.00	HUNTER COLLEGE	RAAB, JENNIFER

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Gene Expression in Myeloma Cells	NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES	FEDERAL	$322,801.00	HUNTER COLLEGE	ECKHARDT, LAUREL
Organizational Change Toward HIV Involvement in Immigrant Religious Organizations	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$589,564.00	HUNTER COLLEGE	CHIN, JOHN J.
Organizational Change Toward HIV Involvement in Immigrant Religious Organizations	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$14,898.00	HUNTER COLLEGE	CHIN, JOHN J.
Fertility and Disadvantaged Among Low-Income Adults: A Mixed Methods Approach	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$118,506.00	HUNTER COLLEGE	ROMERO, DIANA
Institutional Development Program (SCORE)	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$144,151.00	HUNTER COLLEGE	LUINE, VICTORIA
Research Initiative for Scientific Enhancement (RISE)	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$962,850.00	HUNTER COLLEGE	LUINE, VICTORIA
Research Initiative for Scientific Enhancement (RISE)	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$277,845.00	HUNTER COLLEGE	LUINE, VICTORIA
Comparative Genomics of Major Clonal Groups of a Lyme Disease Pathogen	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$114,000.00	HUNTER COLLEGE	QIU, WEIGANG
Comparative Genomics of Major Clonal Groups of a Lyme Disease Pathogen	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$99,636.00	HUNTER COLLEGE	QIU, WEIGANG
Biophysical Study of Collagen: Von Willebrand Factor Interaction During Thrombosis	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$114,000.00	HUNTER COLLEGE	XU, YUJIA
Mechanisms of Response to DNA Damage Nuclear Factors	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$356,600.00	HUNTER COLLEGE	KLEIMAN, FRIDA
Minority Access to Research Careers (MARC) Phase II: Curricular and Pedagogical Innovations in Quantitative Biology	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$266,472.00	HUNTER COLLEGE	QIU, WEIGANG
Imaging mRNA Transport & Translation in a Mouse Model of Fragile X Syndrome	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$354,000.00	HUNTER COLLEGE	DICTENBERG, JASON
Deciphering the Composition of Oskar mRNP via In Vivo Fluorescence Imaging	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$98,400.00	HUNTER COLLEGE	BRATU, DIANA
A Model of Proteasome Dysfunction in the Nervous System of Drosophila	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$114,000.00	HUNTER COLLEGE	SCHMIDT-GLENEWINKEL, THOMAS
Gatekeepers and Gender Schemas	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$339,469.00	HUNTER COLLEGE	VALIAN, VIRGINIA
An Examination of the Relationship Between Poverty, Food Insecurity, and Obesity in African-American and Hispanic Preschool Children	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$114,000.00	HUNTER COLLEGE	FLORES, ROSEANNE
Career Opportunities in Research Education and Training (CORE), Honors Undergraduate Research Training Grant	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$228,876.00	HUNTER COLLEGE	MIRANDA, REGINA
Neurophysiological Predictors of Child Emotion Regulation	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$164,441.00	HUNTER COLLEGE	DENNIS, TRACY
Minority Researcher Skills in Youth, Community, Family and HIV	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$265,776.00	HUNTER COLLEGE	KRAUSS, BEATRICE
Effects of Mold Exposure on Brain and Behavior	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$146,280.00	HUNTER COLLEGE	HARDING, CHERYL
Web-Based Intervention for Black Bisexually-Active Men	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$215,520.00	HUNTER COLLEGE	PARSONS, JEFFREY
Measurement of Social-Cognitive Risk Factors for Suicidal Ideation and Behavior	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$190,000.00	HUNTER COLLEGE	MIRANDA, REGINA
Compulsive Behaviors, Mental Health, and HIV Risk	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$653,415.00	HUNTER COLLEGE	PARSONS, JEFFREY
Specialized Neuroscience Research Program (SNRP)	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$1,534,009.00	HUNTER COLLEGE	FILBIN, MARIE
Role of Myelin in Spinal Cord Regeneration	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$347,115.00	HUNTER COLLEGE	FILBIN, MARIE
Actomyosin Motors and Mechanism of Myelin Formation	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$263,963.00	HUNTER COLLEGE	MELENDEZ-VASQUEZ, CARMEN
Delineating Neuroprotective Mechanisms Mediated by the VEGFr2 Signaling Pathway	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$228,000.00	HUNTER COLLEGE	ROCKWELL, PATRICIA

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Under the Skin: Understanding the Role of Stress and Immune Function in Health Disparities	NIH-NATIONAL INSTITUTE OF NURSING RESEARCH	FEDERAL	$229,415.00	HUNTER COLLEGE	DOWD, JENNIFER
Theoretical Studies of Peptide Structures	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$496,326.00	HUNTER COLLEGE	DANNENBERG, JOSEPH
Inflammation and the Ubiquitin/Proteasome Pathway in Neurodegeneration	NIH-NATIONAL INSTITUTE ON AGING (NIA)	FEDERAL	$439,505.00	HUNTER COLLEGE	FIGUEIREDO-PEREIRA, MARIA
High Throughput in Vivo Functional Analysis of Human Odorant Receptors	NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS	FEDERAL	$190,000.00	HUNTER COLLEGE	FEINSTEIN, PAUL
Minority Institutions' Drug Abuse Research Development Program (MIDARP)	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$244,197.00	HUNTER COLLEGE	QUINONES-JENAB, VANYA
Methamphetamine and the Striatal NK-1 Receptors	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$215,507.00	HUNTER COLLEGE	ANGULO, JESUS
Risk Reduction Intervention for Highly Vulnerable Emerging Adult Males	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$474,159.00	HUNTER COLLEGE	PARSONS, JEFFREY
Intervention Targeting Medication Adherence and Methamphet-amine Use for HIV+ Men	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$589,707.00	HUNTER COLLEGE	PARSONS, JEFFREY
Informal Social Control of Partner Violence in Drug Users	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$399.61	HUNTER COLLEGE	FRYE, VICTORIA
Neurocognitive Deficits, Substance Use, and HIV Risk Behavior	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$189,716.00	HUNTER COLLEGE	GOLUB, SARIT
Synthesis and Evaluation of Aporphines as MDMA Antagonists	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$209,666.00	HUNTER COLLEGE	HARDING, WAYNE
Public Service Scholar Program-Special Legislative Initiative	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$14,500.00	HUNTER COLLEGE	WALSH, ELAINE
Public Service Scholar Program	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$7,500.00	HUNTER COLLEGE	WALSH, ELAINE
Smart Boards	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$5,000.00	HUNTER COLLEGE	ZINNANTI, LEONARD
Hazardous Waste Worker Training	NYS DEPARTMENT OF ENVIRONMENTAL CONSERVA	STATE	$51,840.00	HUNTER COLLEGE	CARAVANOS, JACK
Public Service Scholar Environmental Intern Program	NYS DEPARTMENT OF ENVIRONMENTAL CONSERVA	STATE	$42,000.00	HUNTER COLLEGE	WALSH, ELAINE
Overcoming Myelin Inhibitors to Promote Regeneration in Vivo	NYS DEPARTMENT OF HEALTH	STATE	$360,000.00	HUNTER COLLEGE	FILBIN, MARIE
Stem Cell Research	NYS DEPARTMENT OF HEALTH	STATE	$224,103.00	HUNTER COLLEGE	ORTIZ, BENJAMIN
Civil Legal Services	NYS DEPARTMENT OF STATE	STATE	$16,881.73	HUNTER COLLEGE	FAHS, MARIANNE C.
Novice Teacher Program	NYS EDUCATION DEPARTMENT	STATE	$74,880.00	HUNTER COLLEGE	GONZALEZ, GEORGE
Library Collection Aid	NYS EDUCATION DEPARTMENT	STATE	$19,983.00	HUNTER COLLEGE	GONZALEZ, LUIS
Bilingual Education Technical Assistance Center (BETAC)	NYS EDUCATION DEPARTMENT	STATE	$586,288.00	HUNTER COLLEGE	DE GAETANO, YVONNE
Puerto Ricans In New York: Preserving Identity	NYS EDUCATION DEPARTMENT	STATE	$26,699.00	HUNTER COLLEGE	MELENDEZ, EDWIN
Intensive Teacher Institute Training Program for Teachers of the Visually Impaired	NYS EDUCATION DEPARTMENT	STATE	$119,292.00	HUNTER COLLEGE	SILBERMAN, ROSANNE
21st Century Community Learning Center Program	NYS EDUCATION DEPARTMENT	STATE	$890,459.00	HUNTER COLLEGE	GRAVES, SHERRYL
Public Service Scholar Program	NYS EDUCATION DEPARTMENT	STATE	$35,000.00	HUNTER COLLEGE	WALSH, ELAINE
Downstate Independent Living Organizing and Action Network	NYS EDUCATION DEPARTMENT	STATE	$75,000.00	HUNTER COLLEGE	MIZRAHI, TERRY
Public Service Scholar Program	NYS EDUCATION DEPARTMENT	STATE	$37,500.00	HUNTER COLLEGE	WALSH, ELAINE
Work Study Specialization in Chemical Dependency	NYS OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE	STATE	$455,971.00	HUNTER COLLEGE	O'NEILL, JOHN
Public Service Scholar Program	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$6,000.00	HUNTER COLLEGE	WALSH, ELAINE
Hunter Athletic Program for Parents and Youth (HAPPY)	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$7,000.00	HUNTER COLLEGE	SHAW, PENNY
Multi-Media Campaign to Increase Availability of Orientation, Mobility, and Vision Rehabilitation Therapy	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$100,000.00	HUNTER COLLEGE	SILBERMAN, ROSANNE

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Training Seminar	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$735,680.00	HUNTER COLLEGE	FAHS, MARIANNE C.
Welfare Rights Initiative (WRI)	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	Sub-award of preceding grant	HUNTER COLLEGE	LANE, MAUREEN
Research and Training Institute for Professional Development in Human Services	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$950,000.00	HUNTER COLLEGE	BURGHARDT, STEPHEN
Management Training and Quality Assurance Seminars for HRA/NYC	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$58,880.00	HUNTER COLLEGE	SALMON, ROBERT
Housing Training Resource System (HSA 01)	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$401,618.00	HUNTER COLLEGE	FAHS, MARIANNE C.
Supervisory Training: Management Development Institute	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$152,000.00	HUNTER COLLEGE	FAHS, MARIANNE C.
Public Service Scholars Program	NYS SENATE FINANCE COMMITTEE	STATE	$5,000.00	HUNTER COLLEGE	WALSH, ELAINE
Bridges Youth Empowerment Program	OASH-OFFICE OF MINORITY HEALTH (OMH)	FEDERAL	$300,000.00	HUNTER COLLEGE	ABRAMOVITZ, ROBERT
Theoretical Studies of Light Scattering from Solids, Films and Surfaces	U.S. AIR FORCE	FEDERAL	$209,130.00	HUNTER COLLEGE	GUMBS, GODFREY
FY 2010 Summer Undergraduate Research Fellowship (SURF) Program	U.S. DEPARTMENT OF COMMERCE-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY	FEDERAL	$8,215.00	HUNTER COLLEGE	MATSUI, HIROSHI
Synchrotron Measurement Science and Technology at a World-Class Suite of Synchrotron Beamlines	U.S. DEPARTMENT OF COMMERCE-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY	FEDERAL	$110,837.00	HUNTER COLLEGE	GREENBAUM, STEVEN
Long-Term Training Grant in Rehabilitation Counseling	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$150,000.00	HUNTER COLLEGE	WOLF, ARNOLD
Preparation of Teachers for Learners with Severe Disabilities Including Deafblindness from High-Poverty, Culturally and Linguistically Diverse Urban Populations	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$200,000.00	HUNTER COLLEGE	SILBERMAN, ROSANNE
Jacob Javits Fellowship	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$43,552.00	HUNTER COLLEGE	BUCKLEY, ROBERT
Ronald E. McNair Postbaccalaureate Achievement Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$231,448.00	HUNTER COLLEGE	CLAY SCOTT, SHIRLEY
Project CD-Rom Cultural Diversity in Rehabilitation Orientation & Mobility: A Master's Degree Program with Specialization in Blind and Visually Impaired Individuals	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$100,000.00	HUNTER COLLEGE	SILBERMAN, ROSANNE
Rehabilitation Research and Training Centers (RRTC) on Disability Statistics and Demographics	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$1,000,000.00	HUNTER COLLEGE	O'NEILL, JOHN
Jacob Javits Fellowship	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$43,552.00	HUNTER COLLEGE	BUCKLEY, ROBERT
New Visions for Public School-Urban Teacher Residency	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$307,701.64	HUNTER COLLEGE	ASHER, CARLA
The Centro Cultural Competence Curriculum Initiative	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$124,449.00	HUNTER COLLEGE	MELENDEZ, EDWIN
Erma Byrd Scholarship Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$30,000.00	HUNTER COLLEGE	CARAVANOS, JACK
Functionalized Acaffolds as a New Approach to the Design of the Ion-Selective Polymer-Supported Reagents	U.S. DEPARTMENT OF ENERGY	FEDERAL	$145,000.00	HUNTER COLLEGE	ALEXANDRATOS, SPIRO
Room Temperature Synthesis of Semiconductor Nanowires by Templating Collagen Triple Helices and Their Precise Assembly into Electrical Circuits by Biomolecular Recognition	U.S. DEPARTMENT OF ENERGY	FEDERAL	$201,906.00	HUNTER COLLEGE	MATSUI, HIROSHI
SISGR-Fundamental Chemistry of Technetium-99 Incorporated Into Metal Oxide, Phosphate and Sulfide Materials: Towards Stablization of Low Valent Technetium	U.S. DEPARTMENT OF ENERGY	FEDERAL	$400,000.00	HUNTER COLLEGE	FRANCESCONI, LYNN
Expanding Activity Space: Engaging Low-Income Populations in the Visualization of Travel Behavior & Mobility Barriers	U.S. DEPARTMENT OF TRANSPORTATION/ RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	FEDERAL	$107,930.00	HUNTER COLLEGE	RAMASUBRAMANIAN, LAXMI
Robust Estimation Methods for Finite Mixture of Generalized Linear Models with Applications in Health Economics	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$23,788.00	HUNTER COLLEGE	DEB, PARTHA
STARTALK Honors Chinese Program for High School Students	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$400,000.00	HUNTER COLLEGE	CHAO, DER-LIN
STARTALK Chinese Teacher Training Program	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$100,000.00	HUNTER COLLEGE	CHAO, DER-LIN
STARTALK Chinese Teacher Training Program	U.S. DOD-NATIONAL SECURITY AGENCY	FEDERAL	$100,000.00	HUNTER COLLEGE	CHAO, DER-LIN
Solid State NMR Studies of Materials for Electrochemical Energy	U.S. NAVY	FEDERAL	$86,670.00	HUNTER COLLEGE	GREENBAUM, STEVEN

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
A Phase Space Approach to Clutter Statistics and Detection	U.S. NAVY	FEDERAL	$76,981.00	HUNTER COLLEGE	COHEN, LEON
Return and Opportunity In Veterns Education	U.S. SMALL BUSINESS ADMINISTRATION	FEDERAL	$68,780.00	HUNTER COLLEGE	SHERWOOD, ROGER
Can Family Based Prevention of Conduct Problems Prevent Intimate-Partner Violence (IPV) Development	CDC-NATIONAL CENTER FOR INJURY PREVENTION	FEDERAL	$293,946.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	EHRENSAFT, MIRIAM
Crime in the Cities: Youthful Offenders	FBI-PROPERTY PROCUREMENT AND MANAGEMENT	FEDERAL	$35,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	RUBIN, MARILYN
Prison Policy and the Construction of a New Political Order in Italy, 1860-1914	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$50,400.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	GIBSON, MARY
Scholarship Program at John Jay for Computer Science, Mathematics and Forensic Science	NATIONAL SCIENCE FOUNDATION	FEDERAL	$450,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	PULS, MICHAEL
CAREER: Providing Authentication and Privacy in Location-Based Services	NATIONAL SCIENCE FOUNDATION	FEDERAL	$489,161.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	BAKIRAS, SPIRIDON
RUI: Pokeweed Antiviral Protein Selection of mRNA; Effects of mRNA Structure and Initiation Factors	NATIONAL SCIENCE FOUNDATION	FEDERAL	$415,665.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOBILINSKY, LAWRENCE
Doctoral Dissertation Research: Psychological Mechanisms Underlying Racially-Biased Peremptory Challenges	NATIONAL SCIENCE FOUNDATION	FEDERAL	$11,275.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOVERA, MARGARET
Doctoral Dissertation Research: An Investigation of the Psychological Processes Involved in Juror Rehabilitation	NATIONAL SCIENCE FOUNDATION	FEDERAL	$12,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOVERA, MARGARET
A Comparison of Informal Networks in Two Labrador Communities	NATIONAL SCIENCE FOUNDATION	FEDERAL	$560,166.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	DOMBROWSKI, KIRK
Moderators of Lineup Administrator Expectancy Effects on Eyewitness Identification Accuracy	NATIONAL SCIENCE FOUNDATION	FEDERAL	$367,988.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOVERA, MARGARET
Factors Influencing Plea Bargaining Decisions by Prosecutors and Defense Attorneys	NATIONAL SCIENCE FOUNDATION	FEDERAL	$93,200.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	PENROD, STEVEN
Novel Forensic Analysis for Crimes Involving Mobile Systems	NATIONAL SCIENCE FOUNDATION	FEDERAL	$388,508.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	JI, PING
The Dynamics of Place Making in Contested Cities	NATIONAL SCIENCE FOUNDATION	FEDERAL	$121,088.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	SNAJDR, EDWARD
RAPID: Pokeweed Antiviral Protein: Seasonal and Compartmental Variants and Effects of Pathogens on Variant Production	NATIONAL SCIENCE FOUNDATION	FEDERAL	$49,105.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOBILINSKY, LAWRENCE
Intergenerational Transmission of Neglect and Abuse	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$771,450.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	WIDOM, CATHY
Yeast Cell Wall Damage Response Pathways	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$155,487.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	RAUCEO, JASON
Translational Approaches to Child Neglect Research	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$42,968.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	WIDOM, CATHY
Treating Internalized Stigma in Severe Mental Illness	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$196,922.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	YANOS, PHILIP
Translational Research on Child Neglect Consortium	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$3,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	WIDOM, CATHY
Injection Drug User Network Topologies and HIV Stabilization Dynamics	NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)	FEDERAL	$373,429.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	DOMBROWSKI, KIRK
Post-Secondary Vocational Training	NYS EDUCATION DEPARTMENT	STATE	$874,303.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	GUINTA, LOUIS
Enhancing Science and Technology in the 21st Century	NYS EDUCATION DEPARTMENT	STATE	$129,567.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KOBILINSKY, LAWRENCE
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$82,004.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	NEMEROFF, BARRY
Educational Talent Search Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$380,111.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	COUTURE, JOSEFINA
Reduce Attrition, Increase Graduation Rates in Science, Retention, and Performance Rates of NNES Hispanic Students	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$697,108.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	CARPI, ANTHONY

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Child Care Access Means Parents in School (CCAMPIS)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$35,972.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	PEARSALL, BETTY
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$414,666.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	TEXEIRA, KAREN
Ronald E. McNair Postbaccalaureate Achievement Project	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$243,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	BOOKER, TERESA A.
CUNY All-Campus Emergency Management System	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$768,334.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	DOMINGO, JANNETTE
Reading More and Reading More Effectively: The Outcomes of Renting Customized Kindle eReaders to Increase Undergraduate Students' Access to Course Materials	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$249,470.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	DUFFY, MEGHAN
Undergraduate Career Development Program: Educating, Mentoring and Providing Research Training to Undergraduate Students in Homeland Security Issues	U.S. DEPARTMENT OF HOMELAND SECURITY	FEDERAL	$200,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	FREILICH, JOSHUA
Homeland Security Scholars (HSS) Post-Baccalaureate Achievement Program	U.S. DEPARTMENT OF HOMELAND SECURITY	FEDERAL	$596,657.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	GLASFORD, DEMIS
Knowledge Building for the Reentry Field	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$500,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	KNIGHT, ANTHONY
Identifying Situational and Individual Risk Factors for Child Sexual Abuse in Institutional Setting: Implications for Public Safety and Primary Prevention	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$283,652.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	MERCADO, CYNTHIA
Predicting Crime Through Incarceration: The Impact of Rates of Prison Cycling on Rates of Crime in Communities	U.S. DEPARTMENT OF JUSTICE	FEDERAL	Sub-award of preceding grant	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	CLEAR, TODD
Application of Machine Learning to Toolmarks: Statistically Based Methods for Impression Pattern Comparisons	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$704,189.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	PETRACO, NICHOLAS
Where Terrorists, Far-Right Extremists and Greedy Criminals Meet: A Comparative Study of Financial Crimes in the US	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$20,000.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	FREILICH, JOSHUA
Application of Proteinases for DNA Isolation of Challenged Bone Specimens	U.S. DEPARTMENT OF JUSTICE	FEDERAL	$33,037.00	JOHN JAY COLLEGE OF CRIMINAL JUSTICE	LI, RICHARD
PS07-003, Minority HIV/AIDS Research Initiative	CDC-NATIONAL CENTER FOR HIV, STD AND TB	FEDERAL	$246,376.00	KINGSBOROUGH C. C.	NANIN, JOSE
Scholarships for Disadvantaged Students	HRSA-DIVISION OF NURSING	FEDERAL	$130,618.00	KINGSBOROUGH C. C.	LAVIN, JOANNE
Research Opportunities in Space and Earth Sciences 2008	NASA	FEDERAL	$52,000.00	KINGSBOROUGH C. C.	CONNOLLY, HAROLD
NRA/Research Opportunities in Space and Earth Sciences 2008	NASA	FEDERAL	$146,000.00	KINGSBOROUGH C. C.	WEISBERG, MICHAEL
Evolution of Chondrule Compositions from Ordinary Chondrites and the Evolution of Planetary Materials in the Protoplanetary Disk	NASA	FEDERAL	$90,000.00	KINGSBOROUGH C. C.	CONNOLLY, HAROLD
Enhancing Soft and Entrepreneurial Skills Training for Two-Year College Technicians Using a Contextualized Business Simulation Program	NATIONAL SCIENCE FOUNDATION	FEDERAL	$263,237.00	KINGSBOROUGH C. C.	SCHULMAN, STUART
The Brooklyn Gateway-A Collaboration of a Two-Year College and a Four-Year College to Improve Undergraduate Student Retention in STEM Programs	NATIONAL SCIENCE FOUNDATION	FEDERAL	$375,000.00	KINGSBOROUGH C. C.	ZEITLIN, ARTHUR
Prevention Program	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$5,000.00	KINGSBOROUGH C. C.	GELLER, MICHAEL
Building Bridges to Success	NYS EDUCATION DEPARTMENT	STATE	$98,480.00	KINGSBOROUGH C. C.	MILANO, FRANK
Career and Technical Education/Perkins	NYS EDUCATION DEPARTMENT	STATE	$894,413.00	KINGSBOROUGH C. C.	PERO, LAWRENCE
Library Collection Aid	NYS EDUCATION DEPARTMENT	STATE	$13,073.00	KINGSBOROUGH C. C.	MURPHY, JOSEPHINE
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$51,110.00	KINGSBOROUGH C. C.	LIND, GEORGIA
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$95,223.00	KINGSBOROUGH C. C.	SARINSKY, GARY
Educational Resources-Temporary Assistance for Needy Families (TANF) Program	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$161,500.00	KINGSBOROUGH C. C.	KATZ, SAUL
Student Support Services Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$253,214.00	KINGSBOROUGH C. C.	FOGELMAN, FAITH
Fund for the Improvement of Postsecondary Education	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$439,517.00	KINGSBOROUGH C. C.	GOMEZ, DAVID

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Congressional Earmark Program	U.S. SMALL BUSINESS ADMINISTRATION	FEDERAL	$98,257.00	KINGSBOROUGH C. C.	SCHULMAN, STUART
Malaria Early Warning and Monitoring System/Health Component Namibia Flood Sensor Web Response Vector Borne Disease System Pilot Project	NASA	FEDERAL	$20,000.00	LAGUARDIA C. C.	RAHMAN, MD ZAHIDUR
Seeing and Writing: Queens	NATIONAL ENDOWMENT FOR THE ARTS	FEDERAL	$10,000.00	LAGUARDIA C. C.	SCRIBNER, CHARITY
Bridges to the Baccalaureate	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$512,424.00	LAGUARDIA C. C.	BIHN, JOHN
CNA's In Demand Project	NYS DEPARTMENT OF HEALTH	STATE	$166,666.00	LAGUARDIA C. C.	WATSON, SANDRA
Displaced Homemaker Program	NYS DEPARTMENT OF LABOR	STATE	$243,700.00	LAGUARDIA C. C.	KYDD, JANICE
Jobs for Youth Program	NYS DEPARTMENT OF LABOR	STATE	$141,061.00	LAGUARDIA C. C.	WATSON, SANDRA
Home to Work Center for Displaced Homemakers	NYS DEPARTMENT OF LABOR	STATE	$87,753.00	LAGUARDIA C. C.	KYDD, JANICE
Emerging and Transitional Worker Training	NYS DEPARTMENT OF LABOR	STATE	$440,804.00	LAGUARDIA C. C.	VANSTORY, NAKITA
VATEA Retention Activities Perkins IV CTEIA	NYS EDUCATION DEPARTMENT	STATE	$1,583,235.00	LAGUARDIA C. C.	HOFFACKER, BRUCE
College Alliance for Transitional Career Help (CATCH) Program: Correction Education	NYS EDUCATION DEPARTMENT	STATE	$627,397.00	LAGUARDIA C. C.	FARRELL, SAMUEL
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$130,614.00	LAGUARDIA C. C.	DURAND, SARAH
CTEIA Incarcerated Programs	NYS EDUCATION DEPARTMENT	STATE	$40,000.00	LAGUARDIA C. C.	CHIARKAS, JOHN
Adult Basic Education and Literacy Services Program	NYS EDUCATION DEPARTMENT	STATE	$100,000.00	LAGUARDIA C. C.	KURIEN, SUMA
Adult Basic Education and Literacy Service Programs/Civics Education	NYS EDUCATION DEPARTMENT	STATE	$420,549.00	LAGUARDIA C. C.	KURIEN, SUMA
Center for Immigrant Education and Training (CIET)	NYS EDUCATION DEPARTMENT	STATE	$182,240.00	LAGUARDIA C. C.	KURIEN, SUMA
Educational Resources for Adult and Family Literacy Program	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	STATE	$98,000.00	LAGUARDIA C. C.	DICK, MAE
Vassar Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$339,381.00	LAGUARDIA C. C.	LEVINE, ROBERT
Veterans Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$249,982.00	LAGUARDIA C. C.	FARRELL, SAMUEL
Making Connections: e-Portfolios for Learning and Transfer	U.S. DEPARTMENT OF EDUCATION	FEDERAL	Sub-award of preceding grant	LAGUARDIA C. C.	EYNON, BRET
Re-Invigorating the Second Year Experience (RISE)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$571,895.00	LAGUARDIA C. C.	ARCARIO, PAUL
Preparation of Special Education, Related Services, and Early Intervention Personnel for Children with Low Incidence Disabilities	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$200,000.00	LAGUARDIA C. C.	HILLS, ROBERT
Project PROMESA: Promoting Mathematics Excellence and Science Access	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$978,514.00	LAGUARDIA C. C.	ARCARIO, PAUL
Northeast Region Small Business Transportation Resource Center	U.S. DEPARTMENT OF TRANSPORTATION/OFFICE OF SMAILL AND DISADVANTAGE BUSINESS UTILIZATION	FEDERAL	$20,000.00	LAGUARDIA C. C.	HUNT, BENJAMIN
Northeast Region Small Business Transportation Resource Center	U.S. DEPARTMENT OF TRANSPORTATION/OFFICE OF SMAILL AND DISADVANTAGE BUSINESS UTILIZATION	FEDERAL	$224,000.00	LAGUARDIA C. C.	HUNT, BENJAMIN
Procurement Technical Assistance	U.S. DOD-DEFENSE LOGISTICS AGENCY	FEDERAL	$149,094.00	LAGUARDIA C. C.	HERNANDEZ, EDGARD
2009 Help America Vote College Program Grant Award	U.S. ELECTION ASSISTANCE COMMISSION	FEDERAL	$74,041.00	LAGUARDIA C. C.	JAFFE, ROBERT
Advanced Education Nursing Traineeship	HRSA-DIVISION OF NURSING	FEDERAL	$36,663.00	LEHMAN COLLEGE	GEORGES, CATHERINE ALICIA
Sufism in History	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$50,400.00	LEHMAN COLLEGE	LE GALL, DINA
Mathematics and Science Teacher Education Recruitment (MASTER) Program	NATIONAL SCIENCE FOUNDATION	FEDERAL	$120,562.00	LEHMAN COLLEGE	QIAN, GAOYIN
Mathematics Teacher Transformation Institutes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$1,306,732.00	LEHMAN COLLEGE	FEINERMAN, ROBERT
Studies on Gauge Theories and Quantum Hall Fluids	NATIONAL SCIENCE FOUNDATION	FEDERAL	$30,000.00	LEHMAN COLLEGE	KARABALI, DIMITRA
Collaborative Research: Topics in Gauge Theory, Gravity, and String Cosmology	NATIONAL SCIENCE FOUNDATION	FEDERAL	$120,000.00	LEHMAN COLLEGE	KABAT, DANIEL

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Collaborative Research: Next-Generation Model Checking and Abstract Interpretation with a Focus on Embedded Control and Systems Biology	NATIONAL SCIENCE FOUNDATION	FEDERAL	$587,670.00	LEHMAN COLLEGE	GRIFFETH, NANCY
Theory of Nanomagnets	NATIONAL SCIENCE FOUNDATION	FEDERAL	$74,000.00	LEHMAN COLLEGE	CHUDNOVSKY, EUGENE
Mathematical Challenges in Phylogenetic Landscapes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$221,150.00	LEHMAN COLLEGE	ST. JOHN, KATHERINE
Antidiabetic Constituents from the Dominican Medicinal Plant Momordica Charantia	NIH-NATIONAL CENTER FOR COMPLEMENTARY AN	FEDERAL	$27,064.00	LEHMAN COLLEGE	KENNELLY, EDWARD
Plant Polyphenols for the Treatment of Chronic Obstructive Pulmonary Disease	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$285,250.00	LEHMAN COLLEGE	KENNELLY, EDWARD
Mechanisms of Obesity-Induced Sympathetic Activation	NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE AND KIDNEY DISEASES	FEDERAL	$192,833.00	LEHMAN COLLEGE	MUNTZEL, MARTIN
A Periplasmic Global Regulator, ExoR, for Bacterial Invasion of Host Cells	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$257,073.00	LEHMAN COLLEGE	CHENG, HAIPING
Regulation of Provitamin A Carotenoid Biosynthesis in Maize	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$663,967.00	LEHMAN COLLEGE	WURTZEL, ELEANORE
Cognitive Flexibility and Parenting: Parent and Child Correlates	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$122,250.00	LEHMAN COLLEGE	HAPPANEY, KEITH
Efficacy of Language Treatment in Monolingual and Bilingual Chronic Aphasia	NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS	FEDERAL	$285,250.00	LEHMAN COLLEGE	GORAL, MIRA
Community Service Block Grant	NYS DEPARTMENT OF STATE	STATE	$30,000.00	LEHMAN COLLEGE	FLETCHER, DAVID
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$204,426.00	LEHMAN COLLEGE	ROTHSTEIN, ANNE
Coordinated Library Collection Development Aid	NYS EDUCATION DEPARTMENT	STATE	$11,732.00	LEHMAN COLLEGE	SCHLESINGER, KENNETH
Teacher Opportunity Corps	NYS EDUCATION DEPARTMENT	STATE	$57,932.00	LEHMAN COLLEGE	ROTHSTEIN, ANNE
EL Civics Workforce Investment Act	NYS EDUCATION DEPARTMENT	STATE	$100,000.00	LEHMAN COLLEGE	WASSERMAN, PAUL
General Education Development (GED) Test	NYS EDUCATION DEPARTMENT	STATE	$8,280.00	LEHMAN COLLEGE	JAFARI, MARZIE
Advantage After School at West Bronx Academy and High School for Visual Art	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$119,958.00	LEHMAN COLLEGE	FLETCHER, DAVID
Advantage After School at the High School for Teaching and Professions/Discovery High School	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$119,958.00	LEHMAN COLLEGE	FLETCHER, DAVID
Enhancing Plant Science Education in the Bronx: Training the Next Generation of Botanists to Protect US Natural Resources	U.S. DEPARTMENT OF AGRICULTURE	FEDERAL	$290,000.00	LEHMAN COLLEGE	KENNELLY, EDWARD
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$4,000,000.00	LEHMAN COLLEGE	MARTINEZ, HERMINIO
Strengthening Hispanic-Serving Institutions	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$575,000.00	LEHMAN COLLEGE	WHITTAKER, ROBERT
Educational Talent Search Program-Pathways to College	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$226,600.00	LEHMAN COLLEGE	ROTHSTEIN, ANNE
Upward Bound-Pathways to College Success	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$250,000.00	LEHMAN COLLEGE	ROTHSTEIN, ANNE
Improving Early Childhood/Childhood Teaching of Science	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$295,520.00	LEHMAN COLLEGE	ROTHSTEIN, ANNE
Mathematics Achievement with Teachers of High-Need Urban Populations (MATH-UP)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$7,662,612.00	LEHMAN COLLEGE	ELDRIDGE, DEBORAH
Dynamics of the Magnetic Flux in Superconductors	U.S. DEPARTMENT OF ENERGY	FEDERAL	$144,832.00	LEHMAN COLLEGE	CHUDNOVSKY, EUGENE
New York City Research Initiative (NYCRI)	NASA	FEDERAL	$175,000.00	MEDGAR EVERS COLLEGE	JOHNSON, LEON
The City University of New York and Goddard Space Flight Center Heliophysics Education Consortium	NASA	FEDERAL	$197,864.00	MEDGAR EVERS COLLEGE	JOHNSON, LEON
Research Experiences for Undergraduates (REU) Site: The City University of New York/Goddard Institute for Space Studies Center for Global Climate Research	NATIONAL SCIENCE FOUNDATION	FEDERAL	$340,350.00	MEDGAR EVERS COLLEGE	JOHNSON, LEON
Science Talent Expansion Program (STEP)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$235,419.00	MEDGAR EVERS COLLEGE	CARROLL, MARGARET
Medgar Evers/Kingsborough Bridge Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$207,122.00	MEDGAR EVERS COLLEGE	CATAPANE, EDWARD

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
2009 EnHIP Outreach Award-Genomics Education & Outreach Program: DNA Ancestry, Human Variation, Complex Diseases and Health Promotion	NIH-NATIONAL LIBRARY OF MEDICINE (NLM)	FEDERAL	$5,000.00	MEDGAR EVERS COLLEGE	WITHERS, DORIS
New York Census Complete Count Grant Program	NYS DEPARTMENT OF STATE	STATE	$33,789.00	MEDGAR EVERS COLLEGE	SIMMONS, ESMERALDA
Vocational and Applied Technology Education Act (VATEA) III-Basic Grant	NYS EDUCATION DEPARTMENT	STATE	$225,702.00	MEDGAR EVERS COLLEGE	SCHRADER, CLAUDIA
Biology Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$178,948.00	MEDGAR EVERS COLLEGE	CATAPANE, EDWARD
Science and Technology Entry Program (STEP) Youth Development Program	NYS EDUCATION DEPARTMENT	STATE	$252,140.00	MEDGAR EVERS COLLEGE	GAMBLE, MADELEINE
Youth Development-Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$165,628.00	MEDGAR EVERS COLLEGE	GAMBLE, MADELEINE
Re-Invisioning Our Lives Through Literature	NYS EDUCATION DEPARTMENT	STATE	$5,000.00	MEDGAR EVERS COLLEGE	GREENE, BRENDA
Center for Black Literature Re-Invisioning Our Lives Through Literature Programs	NYS SENATE	STATE	$15,000.00	MEDGAR EVERS COLLEGE	GREENE, BRENDA
John Oliver Killen Chair	NYS SENATE	STATE	$50,000.00	MEDGAR EVERS COLLEGE	GREENE, BRENDA
Empowering Youth to Excel and Succeed Initiative	OASH-OFFICE OF MINORITY HEALTH (OMH)	FEDERAL	$300,000.00	MEDGAR EVERS COLLEGE	UDEOGALANYA, VERONICA
Bottom-Up Reconstruction of Molecular Components of Natural Photosynthesis in a Photoelectrochemical System for Hydrogen Generation	U.S. AIR FORCE	FEDERAL	$150,072.00	MEDGAR EVERS COLLEGE	VITTADELLO, MICHELE
Brooklyn International Business and Trade Center	U.S. DEPARTMENT OF COMMERCE- ECONOMIC DEVELOPMENT ADMINISTRATION	FEDERAL	$300,000.00	MEDGAR EVERS COLLEGE	PARROTT-FONSECA, JOAN
Talent Search Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$325,573.00	MEDGAR EVERS COLLEGE	GAMBLE, MADELEINE
Preparing a New Cadre of Special Educators (PANCOSE)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$200,000.00	MEDGAR EVERS COLLEGE	PAUL, SHEILAH
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$249,615.00	MEDGAR EVERS COLLEGE	RODRIGUEZ-DORESTANT, SIMONE
Predominantly Black Institution Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$600,000.00	MEDGAR EVERS COLLEGE	SCHRADER, CLAUDIA
Scholarships for Disadvantaged Students	HRSA-DIVISION OF NURSING	FEDERAL	$30,514.00	NYC COLLEGE OF TECHNOLOGY	MCGUINN, ELLEN
Nurse Education Practice and Retention	HRSA-DIVISION OF NURSING	FEDERAL	$188,502.00	NYC COLLEGE OF TECHNOLOGY	DATO, CARMEL
ARRA-Scholarships for Disadvantaged Students	HRSA-DIVISION OF NURSING	FEDERAL	$13,380.00	NYC COLLEGE OF TECHNOLOGY	MCGUINN, ELLEN
Looking For Whitman: The Poetry of Place in the Life and Work of Walt Whitman-Level 2	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$33,235.00	NYC COLLEGE OF TECHNOLOGY	GOLD, MATTHEW
Along the Shore: Changing and Preserving the Landmarks of Brooklyn's Industrial Waterfront	NATIONAL ENDOWMENT FOR THE HUMANITIES	FEDERAL	$140,000.00	NYC COLLEGE OF TECHNOLOGY	HANLEY, RICHARD
Satellite and Ground-Based Remote Sensing at NOAA-CREST	NATIONAL SCIENCE FOUNDATION	FEDERAL	$154,223.00	NYC COLLEGE OF TECHNOLOGY	BLAKE, REGINALD
Collaborative Project: Secure Web Development	NATIONAL SCIENCE FOUNDATION	FEDERAL	$49,944.00	NYC COLLEGE OF TECHNOLOGY	LI, XIANGDONG
Automated Computation of One-loop Scattering Amplitudes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$111,450.00	NYC COLLEGE OF TECHNOLOGY	OSSOLA, GIOVANNI
Metropolitan Mentors Network (MMNet): Growing an Urban Science, Technology, Engineering, Mathematics (STEM) Talent Pool Across New York City	NATIONAL SCIENCE FOUNDATION	FEDERAL	$199,717.00	NYC COLLEGE OF TECHNOLOGY	BROWN, PAMELA
The City Tech I-Cubed Incubator: Interdisciplinary Partnerships for Laboratory Integration	NATIONAL SCIENCE FOUNDATION	FEDERAL	$928,836.00	NYC COLLEGE OF TECHNOLOGY	AUGUST, BONNE
CPATH-1: Planning for Institutional Transformation Through Computational Thinking	NATIONAL SCIENCE FOUNDATION	FEDERAL	$161,486.00	NYC COLLEGE OF TECHNOLOGY	GUIDONE, RAFFAEL
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$148,552.00	NYC COLLEGE OF TECHNOLOGY	BARRERAS, IVONNE
Assessment, Resources, and Success Program, Carl D. Perkins Career and Technical Education Act (Perkins IV)	NYS EDUCATION DEPARTMENT	STATE	$115,975.00	NYC COLLEGE OF TECHNOLOGY	SOMMER, RONALD
Teacher Leader Quality Partnerships (TLQP) Program	NYS EDUCATION DEPARTMENT	STATE	$280,144.00	NYC COLLEGE OF TECHNOLOGY	BARRERAS, IVONNE
Adult Basic Education, Literacy Services Programs and Family Literacy Programs	NYS EDUCATION DEPARTMENT	STATE	$320,641.00	NYC COLLEGE OF TECHNOLOGY	MANES, JOAN

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Collegiate Science & Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$136,040.00	NYC COLLEGE OF TECHNOLOGY	RICHARDSON, KATHRYN
Adult Literacy and Basic Adult Education	NYS EDUCATION DEPARTMENT	STATE	$179,729.00	NYC COLLEGE OF TECHNOLOGY	MANES, JOAN
Perkins IV Local Improvement Plan for Credit Programs	NYS EDUCATION DEPARTMENT	STATE	$1,108,596.00	NYC COLLEGE OF TECHNOLOGY	HOFFMAN, CHUCK
Vocational and Applied Technology Education Act (VATEA) III-Career Pathways Tech-Prep	NYS EDUCATION DEPARTMENT	STATE	$311,055.00	NYC COLLEGE OF TECHNOLOGY	BARRERAS, IVONNE
Unified Contract Services	NYS EDUCATION DEPARTMENT	STATE	$15,024.00	NYC COLLEGE OF TECHNOLOGY	HOFFMAN, CHUCK
Ursula C. Schwerin Library	NYS EDUCATION DEPARTMENT	STATE	Sub-award of preceding grant	NYC COLLEGE OF TECHNOLOGY	SWACKER, SHARON
Job Development for Vocational and Educational Services for Individuals with Disabilities (VESID) Consumers	NYS EDUCATION DEPARTMENT	STATE	$15,950.00	NYC COLLEGE OF TECHNOLOGY	HOFFMAN, CHUCK
Childcare Access Means Parents In School (CCAMPIS)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$210,907.00	NYC COLLEGE OF TECHNOLOGY	PEARSALL, BETTY
Smart Scholars Early College High School (ECHS) Program	UNIVERSITY OF THE STATE OF NEW YORK REGENTS	STATE	$447,471.00	NYC COLLEGE OF TECHNOLOGY	SEGARES, MARIE
AMERICORPS Education Award Program	CORPORATION FOR NATIONAL SERVICE	FEDERAL	$554,300.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	LUCARIELLO, JOAN
Interactive Drama Strategies in the Classroom	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$55,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Adolescent HIV Prevention Services Workplan	NYS DEPARTMENT OF HEALTH	STATE	$168,839.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Health Workforce Retraining Initiative Grant Program	NYS DEPARTMENT OF HEALTH	STATE	$342,487.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Health Workforce Retraining Initiative	NYS DEPARTMENT OF HEALTH	STATE	$903,307.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	EBENSTEIN, WILLIAM
Medical School Pipeline	NYS DEPARTMENT OF HEALTH	STATE	$220,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	SLATER, MORTON
CUNY School For Professional Studies Training Program	NYS DIVISION OF THE BUDGET	STATE	$125,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Teacher Opportunity Program	NYS EDUCATION DEPARTMENT	STATE	Sub-award of preceding grant	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	LUCARIELLO, JOAN
One Stop Literacy Programs	NYS EDUCATION DEPARTMENT	STATE	$34,423.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Workforce Investment Act (WIA): Adult Education and Literacy	NYS EDUCATION DEPARTMENT	STATE	$4,232,388.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Emergent Literacy Through Interactive Drama	NYS EDUCATION DEPARTMENT	STATE	$2,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
General Educational Development (GED) Test	NYS EDUCATION DEPARTMENT	STATE	$236,810.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Emergent Literacy Through Interactive Drama	NYS EDUCATION DEPARTMENT	STATE	$5,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) College for Me	NYS HIGHER EDUCATION SERVICES CORPORATION	STATE	$60,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
College Access Challenge Grants for Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP)	NYS HIGHER EDUCATION SERVICES CORPORATION	STATE	Sub-award of preceding grant	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
College Access Challenge Grant Program	NYS HIGHER EDUCATION SERVICES CORPORATION	STATE	$200,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Quality Stars NY Field Test	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$1,200,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Creative Arts Team Support	NYS SENATE FINANCE COMMITTEE	STATE	$2,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Creative Arts Team	NYS SENATE FINANCE COMMITTEE	STATE	$10,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$800,000.00	OFFICE OF EXECUTIVE VICE CHANCELLOR - ACADEMIC AFFAIRS	MOGULESCU, JOHN
Citizenship & Immigration Project	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$5,000.00	OFFICE OF SENIOR VICE CHANCELLOR - UNIVERSITY RELATIONS	WERNICK, ALLAN
Citizenship and Immigration Project	NYS EDUCATION DEPARTMENT	STATE	$5,000.00	OFFICE OF SENIOR VICE CHANCELLOR - UNIVERSITY RELATIONS	WERNICK, ALLAN
Citizenship & Immigration Project	NYS SENATE FINANCE COMMITTEE	STATE	$15,000.00	OFFICE OF SENIOR VICE CHANCELLOR - UNIVERSITY RELATIONS	WERNICK, ALLAN
Employment Services for College Students Program	NYS EDUCATION DEPARTMENT	STATE	$1,452,700.00	OFFICE OF VICE CHANCELLOR - STUDENT AFFAIRS	ROSA, CHRISTOPHER
Child Care Development Block Grant	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	STATE	$907,000.00	OFFICE OF VICE CHANCELLOR - STUDENT AFFAIRS	PEARSALL, BETTY
Math and Science Partnership in New York City (MSP in NYC)	NATIONAL SCIENCE FOUNDATION	FEDERAL	$-	OFFICE OF VICE CHANCELLOR FOR RESEARCH	MILLS, PAMELA
CUNY Science Now GK-12 Program	NATIONAL SCIENCE FOUNDATION	FEDERAL	$598,972.00	OFFICE OF VICE CHANCELLOR FOR RESEARCH	SMALL, GILLIAN.
Center for Advanced Technology	NYS OFFICE OF SCIENCE, TECHNOLOGY, AND ACADEMIC RESEARCH	STATE	$921,200.00	OFFICE OF VICE CHANCELLOR FOR RESEARCH	SMALL, GILLIAN.
Enhancing Fathers Ability to Support Their Preschool Child	CDC-NATIONAL CENTER FOR INJURY PREVENTION	FEDERAL	$184,213.00	QUEENS COLLEGE	CHACKO, ANIL
Queens Ground Zero Workers Health Watch	CDC-NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH	FEDERAL	$4,686,970.84	QUEENS COLLEGE	MARKOWITZ, STEVEN
Treatment and Repair of Washington Irving's House, ca. 1930-1949, Oil on Canvas, by Humbert Arcamonte	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	FEDERAL	$3,000.00	QUEENS COLLEGE	WINTER, AMY
Learning to Generate American Sign Language Animation Through Motion-Capture and Participation of Native ASL Signers	NATIONAL SCIENCE FOUNDATION	FEDERAL	$110,286.00	QUEENS COLLEGE	HUENERFAUTH, MATTHEW
Hemo-Neural Hypothesis	NATIONAL SCIENCE FOUNDATION	FEDERAL	$41,012.00	QUEENS COLLEGE	BRUMBERG, JOSHUA
Synergistic Theory Development and Computational Modeling of the Energy Flow Dynamics in Soft Optoelctronic Molecules	NATIONAL SCIENCE FOUNDATION	FEDERAL	$120,000.00	QUEENS COLLEGE	JANG, SEOGJOO
Collaborative Research: Testing Burial/Exhumation Models for the Evolution of a (U)HP Terrane in an Orogenic Upper Plate, Liverpool Land, East Greenland	NATIONAL SCIENCE FOUNDATION	FEDERAL	$40,807.00	QUEENS COLLEGE	BRUECKNER, HANNES
Speckle Evolution and Modes in Random Media	NATIONAL SCIENCE FOUNDATION	FEDERAL	$7,000.00	QUEENS COLLEGE	GENACK, AZRIEL
Pathways of Power and the Colonial Process in Peten, Guatemala	NATIONAL SCIENCE FOUNDATION	FEDERAL	$184,003.00	QUEENS COLLEGE	PUGH, TIMOTHY
The National Historical Geographic Information System	NATIONAL SCIENCE FOUNDATION	FEDERAL	$26,463.00	QUEENS COLLEGE	BEVERIDGE, ANDREW
Undergraduate Research Mentoring (URM): Urban Undergraduate Students in an Intergrated Ecological Research Experience	NATIONAL SCIENCE FOUNDATION	FEDERAL	$258,754.00	QUEENS COLLEGE	BOISSINOT, STEPHANE
RIG: Genetic and Molecular Basis of Bacteriophage Life History Variation	NATIONAL SCIENCE FOUNDATION	FEDERAL	$174,155.00	QUEENS COLLEGE	DENNEHY, JOHN
Creating and Dissemination Tools to Teach with Demographic Data Maps and Materials	NATIONAL SCIENCE FOUNDATION	FEDERAL	$232,896.00	QUEENS COLLEGE	BEVERIDGE, ANDREW
Root Number of Abelian Varieties and Related Representation-Theoretic Questions	NATIONAL SCIENCE FOUNDATION	FEDERAL	$112,588.00	QUEENS COLLEGE	SABITOVA, MARIA
The Notion of Mass in General Relatively and Riemannian Geometry, and Other Topics	NATIONAL SCIENCE FOUNDATION	FEDERAL	$93,901.00	QUEENS COLLEGE	LEE, DAN A.
CISE-CCF-AF-Algebra: SGER: Computational Methods for Systems of Difference Equations	NATIONAL SCIENCE FOUNDATION	FEDERAL	$47,415.00	QUEENS COLLEGE	OVCHINNIKOV, ALEXEY
Collaborative Research: Testing Linkages Between Plankton Community Structure and Export of C, Po, and Th in the Sub-Arctic NE Pacific: Field and Lab Studies	NATIONAL SCIENCE FOUNDATION	FEDERAL	$290,930.00	QUEENS COLLEGE	STEWART, GILLIAN
CAREER: Secure Public-Key Cryptography	NATIONAL SCIENCE FOUNDATION	FEDERAL	$57,375.00	QUEENS COLLEGE	WEE, HOETECK

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
MRI-R2: Acquisition of Microwave Network Analyzer for Studies of Global Statistics of Waves in Random Media	NATIONAL SCIENCE FOUNDATION	FEDERAL	$125,747.00	QUEENS COLLEGE	GENACK, AZRIEL
CAREER: Cross-Document Cross-Lingual Event Extraction and Tracking	NATIONAL SCIENCE FOUNDATION	FEDERAL	$94,761.00	QUEENS COLLEGE	JI, HENG
Instability Analysis of Terrain-Induced Canopy Flows	NATIONAL SCIENCE FOUNDATION	FEDERAL	$109,754.00	QUEENS COLLEGE	YI, CHUIXIANG
CAREER: CISE-CCF-AF-Algebra: DMS-Algebra: Computational Differential Algebra	NATIONAL SCIENCE FOUNDATION	FEDERAL	$158,613.00	QUEENS COLLEGE	OVCHINNIKOV, ALEXEY
Collaborative Research: GEOTRACES-Application of 210-Pb and 210-Po Distribution at North Atlantic Interface Regimes	NATIONAL SCIENCE FOUNDATION	FEDERAL	$59,848.00	QUEENS COLLEGE	STEWART, GILLIAN
Computability Theory, Facing Outwards	NATIONAL SCIENCE FOUNDATION	FEDERAL	$107,198.00	QUEENS COLLEGE	MILLER, RUSSELL
Doctoral Consortium for ASSETS 2010	NATIONAL SCIENCE FOUNDATION	FEDERAL	$27,155.00	QUEENS COLLEGE	HUENERFAUTH, MATTHEW
CAREER: Reaction Dynamics Study of Biomolecular Ions with Electronically Excited Singlet Molecular Oxygen Using Guided-Ion-Beam Scattering and Direct Dynamics Trajectory Methods	NATIONAL SCIENCE FOUNDATION	FEDERAL	$365,169.00	QUEENS COLLEGE	LIU, JIANBO
Protein Kinase C Substrates in Human Breast Cancer	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$232,500.00	QUEENS COLLEGE	ROTENBERG, SUSAN
Synthesis of Novel Bioactive Sphingolipids as a Resource	NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	FEDERAL	$373,835.00	QUEENS COLLEGE	BITTMAN, ROBERT
Socio-Economic Impact of Gated Communities on American Cities	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$78,822.00	QUEENS COLLEGE	VESSELINOV, ELENA
Trends in Ethnic and Socioeconomic Differentials in Diet Quality in American Children	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$155,000.00	QUEENS COLLEGE	KANT, ASHIMA
Origins and Patterning of the Epicardium	NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT	FEDERAL	$74,750.00	QUEENS COLLEGE	GLICKMAN-HOLTZMAN, NATHALIA
Minority Access to Research Careers (MARC) Undergraduate Student Training in Academic Research	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$493,149.00	QUEENS COLLEGE	ZAKERI, ZAHRA
Body Size Control Genes and TGF-Beta Signaling C. Elegans	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$97,094.00	QUEENS COLLEGE	SAVAGE-DUNN, CATHY
Signaling Mechanisms Coordinating Cell Fate Determination and Morphogenesis	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$306,900.00	QUEENS COLLEGE	WEINSTEIN, DANIEL
ADHD: Neural Correlates of Adult Outcomes	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$371,717.00	QUEENS COLLEGE	HALPERIN, JEFFREY
Predictors of ADHD in Preschool Children	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$662,526.00	QUEENS COLLEGE	HALPERIN, JEFFREY
Vascular Depression: A Distinct Diagnostic Entity	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$158,736.00	QUEENS COLLEGE	SNEED, JOEL
Training Executive, Attention, and Motor Skills (TEAMS): Preliminary Studies	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$207,801.00	QUEENS COLLEGE	HALPERIN, JEFFREY
Combined Cognitive Remediation and Behavioral Intervention for Treatment of ADHD	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$232,500.00	QUEENS COLLEGE	CHACKO, ANIL
Perinatal Risk Factors and Genetic Susceptibility for Childhood Psychopathology	NIH-NATIONAL INSTITUTE OF MENTAL HEALTH	FEDERAL	$311,398.84	QUEENS COLLEGE	NOMURA, YOKO
Behavioral Feedback and Neuronal Lifespan	NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE	FEDERAL	$77,500.00	QUEENS COLLEGE	PYTTE, CAROLYN
Legislative Item	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$3,000.00	QUEENS COLLEGE	ROSENBLUM, MARK
Legislative Item	NYS ASSEMBLY WAYS AND MEANS COMMITTEE	STATE	$10,000.00	QUEENS COLLEGE	FRISZ, RUTH
Support of Artists Fees for Performance Programs Serving Children in Queens	NYS SENATE	STATE	$10,000.00	QUEENS COLLEGE	FIRESTONE, DEDI
Upward Bound Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$442,071.00	QUEENS COLLEGE	NEITA, MICHAEL
The New York Deaf-Blind Collaborative	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$575,000.00	QUEENS COLLEGE	RACHAL, PATRICIA
Special Education-Personnel Preparation to Improve Services and Results for Children with Disabilities	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$199,881.00	QUEENS COLLEGE	LOPEZ, EMILIA
Center for Jewish Studies-Center for Ethnic and Racial Understanding	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$285,000.00	QUEENS COLLEGE	ROSENBLUM, MARK
Fund for the Improvement of Postsecondary Education	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$190,000.00	QUEENS COLLEGE	ARTZT, ALICE

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Establishing an Asian American Pacific Islander Community Studies (AAPICS) Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$1,225,806.00	QUEENS COLLEGE	KHANDELWAL, MADHULIKA
Medical Surveillance of Former DOE Workers at Y-12 and Oak Ridge National Laboratory: Phase II	U.S. DEPARTMENT OF ENERGY	FEDERAL	$6,374,478.00	QUEENS COLLEGE	MARKOWITZ, STEVEN
Computational Modeling and Theory Development of Energy and Charge Flow Dynamics in Photosynthetic Units and Conjugated Polymer Systems	U.S. DEPARTMENT OF ENERGY	FEDERAL	$82,491.00	QUEENS COLLEGE	JANG, SEOGJOO
The Permanent Exhibition for the Kupferberg Holocaust Resource Center and Archives	INSTITUTE OF MUSEUM AND LIBRARY SERVICES	FEDERAL	$33,000.00	QUEENSBOROUGH C.C.	FLUG, ARTHUR
A Community College REU Site for Physics Applications in Astronomy and Biology	NATIONAL SCIENCE FOUNDATION	FEDERAL	$135,000.00	QUEENSBOROUGH C.C.	LIEBERMAN, DAVID
Bridge to the Baccalaureate Program	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$403,302.00	QUEENSBOROUGH C.C.	SCHNEIDER, PATRICIA
Kupferberg Holocaust Resource Center and Archives-Community Capital Assistance Program	NYS DORMITORY AUTHORITY	STATE	$100,000.00	QUEENSBOROUGH C.C.	FLUG, ARTHUR
Perkins IV/CTEIA-Basic Grant	NYS EDUCATION DEPARTMENT	STATE	$673,007.00	QUEENSBOROUGH C.C.	MARCHESE, PAUL
Perkins IV Career and Technical Education Improvement Act (CTEIA) Technical Preparation Project	NYS EDUCATION DEPARTMENT	STATE	$333,020.00	QUEENSBOROUGH C.C.	MARCHESE, PAUL
Collegiate Science and Technology Entry Program (CSTEP)	NYS EDUCATION DEPARTMENT	STATE	$192,742.00	QUEENSBOROUGH C.C.	JEAN-PIERRE, PAUL
Science and Technology Entry Program (STEP)	NYS EDUCATION DEPARTMENT	STATE	$69,257.00	QUEENSBOROUGH C.C.	SEHMI, SIMRAN
Library Collection Aid	NYS EDUCATION DEPARTMENT	STATE	$11,953.00	QUEENSBOROUGH C.C.	GALVIN, JEANNE
Scholarships for Disadvantaged Students	HRSA-DIVISION OF DISADVANTAGED ASSISTANCE	FEDERAL	$89,644.00	YORK COLLEGE	KRAUSS, ANDREA
ARRA-Scholarships for Disadvantaged Students	HRSA-DIVISION OF DISADVANTAGED ASSISTANCE	FEDERAL	$40,239.00	YORK COLLEGE	KRAUSS, ANDREA
NASA Science, Engineering, Mathematics and Aerospace Academy (SEMAA) Site	NASA	FEDERAL	$250,000.00	YORK COLLEGE	PAGLIONE, TIMOTHY
Pathways to Chemical Technology Education and Careers	NATIONAL SCIENCE FOUNDATION	FEDERAL	$299,664.00	YORK COLLEGE	MELETIES, PANAYIOTIS
Investigating the Structure and Activity Relationships of Disulfide-Rich Peptides from Venomous Marine Snails	NATIONAL SCIENCE FOUNDATION	FEDERAL	$100,000.00	YORK COLLEGE	HOLFORD, MANDE
Regulation on Substrate Binding and Catalysis in tRNase Z	NIH-NATIONAL CANCER INSTITUTE (NCI)	FEDERAL	$248,894.00	YORK COLLEGE	LEVINGER, LOUIS
MBRS/SCORE	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	Sub-award of preceding grant	YORK COLLEGE	JOHNSON, LAWRENCE
The Head of the tRNase Z Recognition and Binding Domain	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$237,301.00	YORK COLLEGE	LEVINGER, LOUIS
Using Stable Isotope Labeling/Mass Spectrometry to Probe Cdk1 Multisite Phosphorylation Dynamics	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$160,018.00	YORK COLLEGE	CHANG, EMMANUEL
Using Stable Isotope Labeling/Mass Spectrometry to Probe Cdk1 Multisite Phosphorylation Dynamics	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$158,441.00	YORK COLLEGE	CHANG, EMMANUEL
The Shape and Circuitry of Neurons in the Retina	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$253,378.00	YORK COLLEGE	MACNEIL, MARGARET
Adolescent Trauma, Psychopathology, and Resilience: A Person-Focused Approach	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$185,361.00	YORK COLLEGE	ROSENTHAL, BETH
The Role of Autophagy in T Cell Immune Response	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$115,414.00	YORK COLLEGE	ARSOV, IVICA
Chemical Biodiversity: Investigating the Phylogeny and Functional Toxins of Venom	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$156,014.00	YORK COLLEGE	HOLFORD, MANDE
Dihydropteridine Reductase: Mechanism of Enzyme Action	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$115,210.00	YORK COLLEGE	DESAMERO, RUEL
Characterization of RNA Targets for the Drosophila Protein Lark During Oogenesis	NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE	FEDERAL	$106,292.00	YORK COLLEGE	MCNEIL, GERARD
WIA Title 2 ESOL/Civics	NYS EDUCATION DEPARTMENT	STATE	$300,000.00	YORK COLLEGE	WILLIAMS, MARIA

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Adult Literacy	NYS EDUCATION DEPARTMENT	STATE	$177,516.00	YORK COLLEGE	WILLIAMS, MARIA
Student Support Services	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$398,032.00	YORK COLLEGE	FOSTER, KELSIE
Enrichment Services for Students with Disabilities	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$302,705.00	YORK COLLEGE	FOSTER, KELSIE
Educational Talent Search Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$367,776.00	YORK COLLEGE	WILLIAMS, TREVOR A.
Strengthen Academic Support and Advising Services, Improve Instruction and Establish College-Wide Learning Outcome Assessment Practices	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$400,000.00	YORK COLLEGE	GRIFFITH, IVELAW LLOYD
Fostering African American Students' Talent (FAST)	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$600,000.00	YORK COLLEGE	MELETIES, PANAYIOTIS
Masters Degree Programs at Predominantly Black Institutions Program	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$500,000.00	YORK COLLEGE	HEWITT, DAWN
Enriching African American Students Talent	U.S. DEPARTMENT OF EDUCATION	FEDERAL	$600,000.00	YORK COLLEGE	MELETIES, PANAYIOTIS

Fiscal Year Ended June 2011

State University of New York (SUNY)

Federal and State Awards
Fiscal Year Ended June 2011 (7/1/11-6/30/11)
Managed through the Research Foundation

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Alfred State College Alternative Fuels Laboratory	Appalachian Regional Commission	Federal	149,909.00	Alfred State College	Clark, Dr. Craig R R
Library Coordinated Collection Development - Library Collection Yr 10/11	NYS Education Department	State	6,494.00	Alfred State College	Haggstrom, Mr. David
New York State Appalachian Regional Planning	Appalachian Regional Commission	Federal	49,000.00	Binghamton University	Hattery, Mr. Michael
Advanced Education Nursing Grants	Bureau of Health Professions	Federal	635,174.00	Binghamton University	Spencer, Dr. Gale A
2011/2012 NYS Trade Adjustment Assistance Center	Economic Development Administration	Federal	1,113,271.00	Binghamton University	McKeage, Mr. Louis G
ARRA : Equipment to Enhance Training for Health Professionals	Health Resources and Services Admin	Federal	194,780.00	Binghamton University	Fronczek, Ms. Ann
Title-F Leave: Kissinger Chair in the John W. Kluge Center of the Library of Congress	Library of Congress	Federal	81,000.00	Binghamton University	Fordham, Dr. Benjamin
Reading Don Quixote	National Endowment for the Humanities	Federal	136,728.00	Binghamton University	Fajardo, Dr. Salvador J
Investigating the role of ROCK1 in epithelial cell inflammatory responses	National Inst of Diabetes Digestive Kidney Disease	Federal	356,159.00	Binghamton University	McGee, Dr. Dennis W
Effects of herbicide exposure on mal reproduction in Drosophila Melanogaster	National Inst of Environmental Health Sciences	Federal	440,261.00	Binghamton University	Fiumera, Dr. Anthony
Temporal Coding in the Gustatory System of the Brain	National Inst on Deafness & Other Comm Disorders	Federal	358,708.00	Binghamton University	Di Lorenzo, Dr. Patricia M
Molecular Mechanisms of Alcohol Actions in the Adolescent Brain	National Institute for Alcohol Abuse & Alcoholism	Federal	249,000.00	Binghamton University	Sabeti, Dr. Jilla
Impact of adolescent intermittent ethanol on adult social reward and anxiety	National Institute for Alcohol Abuse & Alcoholism	Federal	369,769.00	Binghamton University	Spear, Dr. Linda
Signal transduction mechanism of Ps. aeruginosa biofilm dispersion response	National Institute of Allergy & Infectious Disease	Federal	442,416.00	Binghamton University	Davies, Dr. David
Risk for Adolescent Depression: Gender Differences and Contagion in Peer Networks	National Institute of Mental Health	Federal	26,003.00	Binghamton University	Gibb, Dr. Brandon E
FY2011 Summer Undergraduate Research Fellowship(SURF)-Gaithersburg	National Institute of Standards and Technology	Federal	15,300.00	Binghamton University	Miles, Dr. Ronald N
Genome-wide protein-DNA interactions responding to chronic opioid treatment	National Institute on Drug Abuse	Federal	192,722.00	Binghamton University	Chen, Dr. Yulong
Archaeological Survey, Newtown Battlefield,Chemung County, NY	National Park Service	Federal	50,723.00	Binghamton University	Versaggi, Dr. Nina M
MRI: Development of a Fully Instrumented Self-Sensing and Self-Regulating Data Center	National Science Foundation	Federal	1,342,299.00	Binghamton University	Ghose, Dr. Kanad
Materials World Network: Modulation of Electron Oscillation Characteristics of Nanostructured Conducting Polymer Films during Electrochemical Switching	National Science Foundation	Federal	221,000.00	Binghamton University	Sadik, Dr. Omowunmi A
Engineering 2020 Scholarship Program	National Science Foundation	Federal	534,500.00	Binghamton University	Zahorian, Mr. Stephen A.
GOALI: Nanomanufactured Flexible Chemical Sensors: Collaborative Investigation of Nanostructural Properties in Relation to Device Flexibility	National Science Foundation	Federal	336,658.00	Binghamton University	Zhong, Dr. Chuan Jian
I/UCRC Planning Grant: I/UCRC for Energy Efficient Systems	National Science Foundation	Federal	13,000.00	Binghamton University	Sammakia, Dr. Bahgat G
The Domestic Politics of World Power, 1890-1945	National Science Foundation	Federal	120,864.00	Binghamton University	Fordham, Dr. Benjamin
SHF:Small:Architectural Support for Security in the Many-core Age: Threats and Opportunities	National Science Foundation	Federal	508,000.00	Binghamton University	Ponomarev, Mr. Dmitry V
CAREER: Atomic Scale Study of Reduction of Metal Oxides	National Science Foundation	Federal	409,768.00	Binghamton University	Zhou, Dr. Guangwen
CAREER:Programming Models for Green Software	National Science Foundation	Federal	92,072.00	Binghamton University	Liu, Dr. Yu David
CDI-Type I: Modeling and Predicting State-Topology Coevolution of Complex Adaptive Networks	National Science Foundation	Federal	412,189.00	Binghamton University	Sayama, Dr. Hiroki
Ancient Microorganism Communities in Fluid Inclusion in Halite and Gypsum	National Science Foundation	Federal	400,000.00	Binghamton University	Lowenstein, Dr. Tim K
BUGCAT Conference November 2010	National Science Foundation	Federal	18,838.00	Binghamton University	Anderson, Dr. Laura M
EAGER: Spontaneous 4D-Facial Expression Corpus for Automated Facial Image Analysis	National Science Foundation	Federal	65,784.00	Binghamton University	Yin, Dr. Lijun
DC: Small: Collaborative Research:Data Intensive Computing for General Relational Data Learning	National Science Foundation	Federal	250,000.00	Binghamton University	Zhang, Dr. Zhongfei
Collaborative Research:TAIGER's Tale: Tectonics of Subduction to Collision	National Science Foundation	Federal	501,417.00	Binghamton University	Wu, Dr. Francis
Collaborative Research: Upstate New York Number Theory Conference	National Science Foundation	Federal	100.00	Binghamton University	Vasiu, Dr. Adrian

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Collaborative Research: Transfer of Learning from Touchscreens During Early Childhood	National Science Foundation	Federal	41,594.00	Binghamton University	Gerhardstein, Dr. Peter C
A Multi-Scale Experimental Study of the Mechanical Properties of Carbon & Boron Nitride Nanotubes & Their Polymer Composites	US Air Force Office of Scientific Research	Federal	118,326.00	Binghamton University	Ke, Dr. Changhong
Scalable Algorithms for Parallel Discrete Event Simulation Systems in Multi-Core Environments	US Air Force Research Laboratory	Federal	178,500.00	Binghamton University	Ponomarev, Mr. Dmitry V
Understanding Tonal Languages	US Air Force Research Laboratory	Federal	175,000.00	Binghamton University	Zahorian, Mr. Stephen A.
TRIO-Student Support Services - STEM	US Department of Education	Federal	220,000.00	Binghamton University	Wygmans, Ms. Martha S.
The Business and Biology of Stem Cells in Cell Therapy	NYS Department of Health	State	283,307.00	Binghamton University	Van Buskirk, Dr. Robert
Library Collection 2010/2011	NYS Education Department	State	16,973.00	Binghamton University	Shephard, Mr. Edward
2010/2011/ CSTEP	NYS Education Department	State	184,331.00	Binghamton University	Bryant, Dr. Sharon A
Liberty Partnership Project 2010/2011	NYS Education Department	State	252,720.00	Binghamton University	Humphrey, Ms. Amy L.
Agreement #18514- Lithium-Air Storage Systems	NYS Energy Research and Development Authority	State	200,000.00	Binghamton University	Whittingham, Dr. M Stanley
Agreement # 18500 New York Consortium for Stationary Grid Scale Energy Storage	NYS Energy Research and Development Authority	State	152,890.00	Binghamton University	Whittingham, Dr. M Stanley
NYSTAR COE 2011	NYS Office of Science Technology and Academic Res	State	424,477.00	Binghamton University	Sammakia, Dr. Bahgat G
Head Start Hispanic/Latino Program Year 4 FY 2010-2011	Administration for Children and Families	Federal	312,881.00	Buffalo State College	Shaw-Burnett, Dr. Margaret A
Observing Systems & Monitoring Near Shore Lake Erie	Environmental Protection Agency	Federal	837,195.00	Buffalo State College	Roehm, Dr. Charlotte
Lake Erie Nearshore & Offshore Nutrient Study	Environmental Protection Agency	Federal	615,813.00	Buffalo State College	Pennuto, Dr. Christopher
Evaluating Ponto-Caspian Fishes for Risk of GL Invasion	Environmental Protection Agency	Federal	111,264.00	Buffalo State College	Snyder, Dr. Randal J
Student Fellowships for Conservation Education	National Endowment for the Humanities	Federal	250,000.00	Buffalo State College	Ravines, Dr. Patrick
Culture, Risk Factors and Suicide Attempt in Rural China	National Institute of Mental Health	Federal	367,500.00	Buffalo State College	Zhang, Dr. Jie
MRI: Acquisition of Eye-Tracker for Research & Education in Cognitive & Development Psychology	National Science Foundation	Federal	42,070.00	Buffalo State College	Foraker, Dr. Stephani
WNY Noyce Scholars Partnership: A NSF Noyce Phase II Scholarship & Stipend Project	National Science Foundation	Federal	750,000.00	Buffalo State College	Gomez, Dr. Luanna
Student Support Services FY 2010-2011	US Department of Education	Federal	293,615.00	Buffalo State College	Johnson, Ms. Florence D
Community Service Peer Leaders: Supporting Buffalo through Service	US Department of Education	Federal	69,303.00	Buffalo State College	Rao, Ms. Laura A.
Effects of Multiple Acoustic Scattering from Realistic Oceanic Bubble and Fish Assemblages	US Navy Office of Naval Research	Federal	75,734.00	Buffalo State College	Hahn, Dr. Thomas
Library Collection Aid 2011	NYS Education Department	State	12,905.00	Buffalo State College	Glogowski, Ms. Maryruth
STEP - Science Technology Program FY 2010-2011	NYS Education Department	State	172,624.00	Buffalo State College	Carter, Mr. Darryl C
Response to Intervention Center (RTI-TAC) Year 3	NYS Education Department	State	298,465.00	Buffalo State College	Janczak, Dr. Theresa
C-Step FY 2010-2011	NYS Education Department	State	109,309.00	Buffalo State College	Diaz, Ms. Naomi
Liberty Partnership Program FY 2009-2014, Yr 2	NYS Education Department	State	322,452.00	Buffalo State College	Cathey, Ms. Patrice A
The Roles of Trm9 and tRNA Methylation in the DNA Damage Response	National Inst of Environmental Health Sciences	Federal	246,477.00	CNSE	Begley, Dr. Thomas J.
Supplement: RNA Modifications as Biomarkers of Environmental Stress and Inflammation	National Inst of Environmental Health Sciences	Federal	40,934.00	CNSE	Begley, Dr. Thomas J.
RNA Modifications as Biomarkers of Environmental Stress and Inflammation	National Inst of Environmental Health Sciences	Federal	623,949.00	CNSE	Begley, Dr. Thomas J.
Multiplexed Quantification of DNA Damage Response	National Inst of Environmental Health Sciences	Federal	272,588.00	CNSE	Begley, Dr. Thomas J.
ARRA Funded: Transitional Machinery in Stress Signaling and Tumor Suppression	National Inst of Environmental Health Sciences	Federal	200,373.00	CNSE	Begley, Dr. Thomas J.
ARRA Funded: Supplement to "The Rules of Trm9 and tRNA Methylation in the DNA Damage Response"	National Inst of Environmental Health Sciences	Federal	176,579.00	CNSE	Begley, Dr. Thomas J.
Inhibition of Oral Bacterial Biofilm Formation Using Natural Products-Inspired Organic Compounds	National Institute of Dental & Craniofacial Res	Federal	105,941.00	CNSE	Cady, Dr. Nathaniel C.

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
New York Center for National Competitiveness in Nanoscale Characterizationn	National Institute of Standards and Technology	Federal	500,000.00	CNSE	Diebold, Dr. Alain C.
III-Sb Interfaces with High-k Oxides: Science and Technology of Novel MOSFET Gate Stack	National Science Foundation	Federal	197,900.00	CNSE	Oktyabrsky, Dr. Serge R
NanoExcitonics: Implementing Basic Circuit elements on 2-D Carbon System	National Science Foundation	Federal	360,000.00	CNSE	Yu, Dr. Bin
An Epigenetic Understanding of Transcriptional Regulation in Chinese Hamster Ovary Cells	National Science Foundation	Federal	349,090.00	CNSE	Sharfstein, Dr. Susan T.
Efstathiadis NSF PFI: Nanotechnology Innovations for Clean Energy - Innovative Partnerships (NICE-IP)	National Science Foundation	Federal	600,000.00	CNSE	Efstathiadis, Dr. Haralabos
Collaborative Research: Synthesis and Characterization of Single-Layer Graphene films with Large Lateral Dimensions	National Science Foundation	Federal	58,459.00	CNSE	Ventrice, Dr. Carl A.
CMOS-Memristor Hybrid Nanoelectronics for AES Encryption	US Air Force Research Laboratory	Federal	350,000.00	CNSE	Cady, Dr. Nathaniel C.
Prototyping and Development of Commercial Nano Crystalline and Thin Film Silicon for Photovoltaic Manufacturing	US Department of Energy	Federal	500,000.00	CNSE	Haldar, Dr. Pradeep
DASNY Lockheed Martin-NICE Project	Dormitory Authority of the State of New York	State		CNSE	Kaloyeros, Dr. Alain E
DASNY MWZ Capital Tool Install	Dormitory Authority of the State of New York	State	4,000,000.00	CNSE	Kaloyeros, Dr. Alain E
28nm Technology Initiative	Empire State Development Corp	State		CNSE	Kaloyeros, Dr. Alain E
CSNE Cener of Excellence in Nanomedicine and Clean Energy	Empire State Development Corp	State	2,334,832.00	CNSE	Loonan, Mr. John F.
Smart Systems Commercialization Facility	Empire State Development Corp	State	5,000,000.00	CNSE	Tolley, Mr. Paul R.
Nanostructured Carbonless Electrodes with Ultralow PGM Loadings for Hydrogen Fuel Cells	NYS Energy Research and Development Authority	State	945,000.00	CNSE	Elter, Dr. John F
Low Temperature Co-Sintering of Ceramic and Metal Nanoparticle Composites for Fabrication of Fuel	NYS Energy Research and Development Authority	State	250,000.00	CNSE	Elter, Dr. John F
Development of Protic Ionic Liquied Electrolyte for Pseudocapacitor Applications	NYS Energy Research and Development Authority	State	200,000.00	CNSE	Haldar, Dr. Pradeep
New York Center for Advanced Interconnect Science and Technology	NYS Office of Science Technology and Academic Res	State	690,000.00	CNSE	Kaloyeros, Dr. Alain E
Institute for Nanoelectronics Discovery and Exploration (INDEX)	NYS Office of Science Technology and Academic Res	State	750,000.00	CNSE	Kaloyeros, Dr. Alain E
Focus Center New York 2010/2011	NYS Office of Science Technology and Academic Res	State	2,500,000.00	CNSE	Kaloyeros, Dr. Alain E
GeoEd: New "Drilling Prospects" to Feed the Geoscience Workforce Pipeline	National Science Foundation	Federal	148,406.00	College at Oneonta	Ebert, Dr. James R
RUI: Implementing the Otsego Lake Watershed Plan - Enhancement of Lake Access, Labortatory and Field Instrumentation and Associated Research	National Science Foundation	Federal	103,633.00	College at Oneonta	Harman, Dr. Willard N
ARRA: Sustainable Infrastructure for the SUNY Oneonta Biological Field Station Upper Research Site	National Science Foundation	Federal	93,416.00	College at Oneonta	Harman, Dr. Willard N
Migrant Education Resource Center (MERC Phase 2)	US Department of Education	Federal	562,177.00	College at Oneonta	Perry, Dr. Steven R
Bedrock Geologic Mapping of Matinicus Quadrangle	US Geological Survey	Federal	3,136.00	College at Oneonta	Growdon, Dr. Martha
Coordinated College Collection Development - Library Collection Aid Yr. 10/11	NYS Education Department	State	8,601.00	College at Oneonta	Beach, Mrs. Heather Jean
Short-term Training Students in Health Professional Schools	National Eye Institute	Federal	46,440.00	College of Optometry	Ciuffreda, Dr. Kenneth J J
Intercellular Communication in the Lens	National Eye Institute	Federal	337,774.00	College of Optometry	Srinivas, Dr. Miduturu
Treatment of TBI-Induced Oculomotor Dysfunctions and Associated Reading Problems	US Army Medical Research Acquisition Activity	Federal	206,112.00	College of Optometry	Ciuffreda, Dr. Kenneth J J
CSTEP (FY 2010-2011)	NYS Education Department	State	82,556.00	College of Optometry	Philpott, Dr. Jeffrey
CSTEP (2011-2012)	NYS Education Department	State	82,556.00	College of Optometry	Philpott, Dr. Jeffrey
Library Award 2010-2011	NYS Education Department	State	4,031.00	College of Optometry	Wells, Ms. Elaine
Workshop Award for Documentation of Northern Cheyenne Sacred Language	National Science Foundation	Federal	7,654.00	Empire State College	Eaglefeathers, Dr. Karyl
Degrees at a Distance 2010/2011	US Department of Homeland Security	Federal	10,000.00	Empire State College	Dixon, Dr. Shelley
Library Collection Aid 2010-2011	NYS Education Department	State	10,469.00	Empire State College	Hayes, Ms. Suzanne
TRIO - Student Support Services	US Department of Education	Federal	220,000.00	Farmingdale State College	Sierra, Elizabeth

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Title III - Strengthening Institutions Program	US Department of Education	Federal	397,512.00	Farmingdale State College	Kahn, Beverly
Research on Fuel Cell Powered by Hydrogen from Biomass to Provide Clean Energy for Remote Farms Away From Electric Grids	US Department of Energy	Federal	675,000.00	Farmingdale State College	Tawfik, Dr. Hazem H
Library Collection Aid 2010-2011	NYS Education Department	State	8,401.00	Farmingdale State College	Knauth, Mr. Michael
Collegiate Science and Technology Entry Program CSTEP 10/11	NYS Education Department	State	48,471.00	Farmingdale State College	Raju, Mr. Venkitaswamy
CSTEP Collegiate Science and Technology 11/12	NYS Education Department	State	96,943.00	Farmingdale State College	Raju, Mr. Venkitaswamy
2011 Science and Technology Entry Program (STEP)	NYS Education Department	State	190,540.00	Farmingdale State College	Raju, Mr. Venkitaswamy
2010 Science and Technology Entry Program (STEP)	NYS Education Department	State	95,270.00	Farmingdale State College	Raju, Mr. Venkitaswamy
Liberty Partnership Program FY 10/11	NYS Education Department	State	219,059.00	Farmingdale State College	Andriano, Ms. Janet D
Coordinated Collection Development Aid 10-11	NYS Education Department	State	5,031.00	Maritime College	Murphy, Mr. Keith
Library Collection Aid 2010-2011	NYS Education Department	State	6,240.00	Morrisville State College	Hildebrand, Miss Marion E
Collegiate Science & Technology Entry Program (CSTEP 11/12)	NYS Education Department	State	191,110.00	Morrisville State College	Evans, Miss Jeannette H
Collegiate Science & Technology Entry Program (CSTEP 10/11)	NYS Education Department	State	191,110.00	Morrisville State College	Penix, Mr. Timothy C
Liberty Partnership Program 10/11	NYS Education Department	State	221,209.00	Morrisville State College	Cornelius, Ms. Marsha L
Workforce Development Training Partnerships for Energy Efficiency	NYS Energy Research and Development Authority	State	194,718.00	Morrisville State College	Barsha, Ms. Amy B
Old Westbury Neurosciences International Program	Natl Ctr on Minority Health & Health Disparities	Federal	370,900.00	Old Westbury	Nieto, Dr. Fernando
Papers of Clarence Mitchell, Jr.	Natl Historical Publications & Records Commission	Federal	77,074.00	Old Westbury	Watson, Mr. Denton L
Library Collection Aid 2010-2011	NYS Education Department	State	6,335.00	Old Westbury	Kirkpatrick, Mr. Stephen
Old Westbury Science Training & Education Program (STEP)	NYS Education Department	State	97,291.00	Old Westbury	Quarless, Dr. Duncan A
Old Westbury Science Training & Education Program (STEP)	NYS Education Department	State	256,128.00	Old Westbury	Quarless, Dr. Duncan A
CSTEP 2011-2012	NYS Education Department	State	12,366.00	Old Westbury	Teoh, Dr. Henry
CSTEP 2010-2011	NYS Education Department	State	287,161.00	Old Westbury	Teoh, Dr. Henry
Instrumentation, Innovation and Collaboration: Improving the Biochemistry Curriculum through Hands-On and Virtual Laboratory Experiences	National Science Foundation	Federal	247,669.00	Purchase College	Bellevue, Dr. Frank
PAESMEM Organizational Award: Purchase College, SUNY/Community College Mentoring Program	National Science Foundation	Federal	10,000.00	Purchase College	Skrivanek, Dr. Joseph
S-STEM Scholars Program At Purchase College	National Science Foundation	Federal	594,800.00	Purchase College	Skrivanek, Dr. Joseph
ARRA: Renovation of the Purchase College Molecular and Cellular Biology Research Suite	National Science Foundation	Federal	55,149.00	Purchase College	Daly, Dr. James G
Purchase College Upward Bound Program	US Department of Education	Federal	300,608.00	Purchase College	Alt, Mr. Jason
Library Coordinated Collection Development-Library Collection Aid Yr 10/11	NYS Education Department	State	7,094.00	Purchase College	Callahan, Mr. Patrick
Purchase College CSTEP 2011-2012	NYS Education Department	State	7,325.00	Purchase College	Bellevue, Dr. Frank
Purchase College CSTEP 2010-2011	NYS Education Department	State	83,866.00	Purchase College	Bellevue, Dr. Frank
Liberty Partnership (Great Potential Program at Purchase) 10-11	NYS Education Department	State	239,023.00	Purchase College	Alt, Mr. Jason
Healthy Marriage Demonstration Grant	Administration for Children and Families	Federal	549,873.00	Stony Brook University	Heyman, Dr. Richard E
A Novel Single-Tier Lyme Disease Assay Using Borrelia Burgdorferi Protein Arrays	Centers for Disease Control and Prevention	Federal	226,734.00	Stony Brook University	Luft, Dr. Benjamin J
Gene Targeting Using Modular Zinc Finger Nucleases	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Federal	78,500.00	Stony Brook University	Sirotkin, Dr. Howard

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Long Island Geriatric Education Center Consortium	Health Resources and Services Admin	Federal	-75,500.00	Stony Brook University	Fields, Dr. Suzanne
Nurse Education Practice and Retention	Health Resources and Services Admin	Federal	179,896.00	Stony Brook University	Buhse, Dr. Marijean
Preventive Medicine Residencies	Health Resources and Services Admin	Federal	354,997.00	Stony Brook University	Lane, Dr. Dorothy S
Preventive Medicine Residencies	Health Resources and Services Admin	Federal	74,177.00	Stony Brook University	Lane, Dr. Dorothy S
Suffolk Project for AIDS Resource Coordination(SPARC)	Health Resources and Services Admin	Federal	877,815.00	Stony Brook University	Nachman, Dr. Sharon A
ARRA: Equipment to Enhance Training for Health Professionals	Health Resources and Services Admin	Federal	292,050.00	Stony Brook University	Truhlar, Dr. Mary R
Advanced Education Nursing Grants	Health Resources and Services Admin	Federal	358,569.00	Stony Brook University	Escallier, Dr. Lori
Dental Reimbursement Program	Health Resources and Services Admin	Federal	12,464.00	Stony Brook University	Truhlar, Dr. Mary R
Health Careers Opportunity Program	Health Resources and Services Admin	Federal	580,953.00	Stony Brook University	Firestone, Ms. Deborah T
Chemically Striking Regions on Mars	NASA Goddard Space Flight Center	Federal	115,277.00	Stony Brook University	McLennan, Dr. Scott M
Database Cross-Correlation at Scale: A Complete Census of Cool and Peculiar Brown Dwarfs in the 2MASS/SDSS Overlap	NASA Goddard Space Flight Center	Federal	60,687.00	Stony Brook University	Metchev, Dr. Stanimir
Maximizing Information Extraction from the MGS TES Spectral Data Set	NASA Goddard Space Flight Center	Federal	86,723.00	Stony Brook University	Rogers, Dr. Andrea
Benefit of Coenzyme Q10 in Patients on Statins	Nat'l Center for Complementary & Alternative Medic	Federal	187,353.00	Stony Brook University	Caso, Dr. Giuseppe
Substrate Specificity of Nonreceptor Tyrosine Kinases	National Cancer Institute	Federal	208,049.00	Stony Brook University	Miller, Dr. W. Todd
Screening Lung Cancer by Ultra Low-Dose Computed Tomography	National Cancer Institute	Federal	314,080.00	Stony Brook University	Liang, Dr. Jerome Z
Prostate Cancer Stem Cell-Targeted Activity of a New-Generation Taxoids	National Cancer Institute	Federal	188,693.00	Stony Brook University	Botchkina, Dr. Galina I
Phospho-Valproic Acid for Pancreatic Cancer Prevention	National Cancer Institute	Federal	316,002.00	Stony Brook University	Rigas, Dr. Basil
Mechanism of promiscuous AR activation in PTEN-mutated prostate cancer	National Cancer Institute	Federal	313,325.00	Stony Brook University	Huang, Dr. Haojie
FOXO1 Inhibition in Genotoxic Stress Response and Prostate Cancer Survival	National Cancer Institute	Federal	536,087.00	Stony Brook University	Huang, Dr. Haojie
Developing Virtual Colonoscopy for Cancer Screening	National Cancer Institute	Federal	438,772.00	Stony Brook University	Liang, Dr. Jerome Z
Cancer Biochemistry and Cell Biology	National Cancer Institute	Federal	110,007.00	Stony Brook University	Hearing, Dr. Patrick
Cancer Biochemistry and Cell Biology	National Cancer Institute	Federal	251,125.00	Stony Brook University	Hearing, Dr. Patrick
ADAM17 in Pancreatic Cancer and Pancreatitis	National Cancer Institute	Federal	395,872.00	Stony Brook University	Crawford, Dr. Howard C.
Dyadic, Skills-Based Primary Prevention for Partner Violence in Perinatal Parents	National Center for Injury Prevention and Control	Federal	399,998.00	Stony Brook University	Smith-Slep, Dr. Amy M
Young American Writers Project	National Endowment for the Arts	Federal	10,000.00	Stony Brook University	Reeves, Dr. Robert
Volume Regulation in Normal and Cataractous Lenses	National Eye Institute	Federal	400,061.00	Stony Brook University	Mathias, Dr. Richard T
Collaborative Observational Study of Myopia in COMET Children 2 - Coordinating Ctr	National Eye Institute	Federal	739,459.00	Stony Brook University	Hyman, Dr. Leslie G
Multiscale Modeling of Blood Flow and Clotting in Cardiovascular Devices	National Heart Lung and Blood Institute	Federal	190,671.00	Stony Brook University	Bluestein, Dr. Daniel
Chibby and Wnt Signaling in Ciliated Cell Differentiation	National Heart Lung and Blood Institute	Federal	390,113.00	Stony Brook University	Takemaru, Dr. Ken-Ichi
ARRA: A Mouse Model of Myelodysplastic Syndrome Progression and Leukemic Stem Cells	National Heart Lung and Blood Institute	Federal	198,581.00	Stony Brook University	Ma, Dr. Yupo
A Mouse Model of Myelodysplastic Syndrome Progression and Leukemic Stem Cells	National Heart Lung and Blood Institute	Federal	1,139,575.00	Stony Brook University	Ma, Dr. Yupo
Development of Drop let Microfluidic Methods for High-Throughput Single Cell Genom	National Human Genome Research Institute	Federal	221,250.00	Stony Brook University	Strey, Dr. Helmut
ARRA: Novel Peptide to Inhibit Burn Injury Progression	National Inst of Arthritis Musculoskeletal & Skin	Federal	1,093,454.00	Stony Brook University	Clark, Dr. Richard A
ARRA: Ecological Validity of PROMIS Instruments	National Inst of Arthritis Musculoskeletal & Skin	Federal	1,442,568.00	Stony Brook University	Stone, Dr. Arthur A
Dual-Axis Confocal Microscope for Image-Guided Resection of Medulloblastoma	National Inst of Biomedical Imaging and Bioenginee	Federal	255,397.00	Stony Brook University	Liu, Dr. Jonathan T.C.
Flat-panel X-Ray Imaging Detector with Avalanche Gain	National Inst of Biomedical Imaging and Bioenginee	Federal	457,892.00	Stony Brook University	Zhao, Dr. Wei
Optimizing Cardiovascular Device Thromboresistance for Eliminating Anticoagulants	National Inst of Biomedical Imaging and Bioenginee	Federal	1,486,351.00	Stony Brook University	Bluestein, Dr. Daniel
Molecular and Cellular Biology of Thrombopoietin	National Inst of Diabetes Digestive Kidney Disease	Federal	606,186.00	Stony Brook University	Kaushansky, Dr. Kenneth
The Biochemistry and Cell Biology of Metabolic Diseases	National Inst of Diabetes Digestive Kidney Disease	Federal	496,765.00	Stony Brook University	Malbon, Dr. Craig C
The Biochemistry and Cell Biology of Metabolic Diseases	National Inst of Diabetes Digestive Kidney Disease	Federal	80,430.00	Stony Brook University	Malbon, Dr. Craig C

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Urinary Cadmium and Risk of Breast Cancer	National Inst of Environmental Health Sciences	Federal	315,998.00	Stony Brook University	Meliker, Dr. Jaymie
Molecular Toxicology of DNA Adducts	National Inst of Environmental Health Sciences	Federal	1,629,752.00	Stony Brook University	Grollman, Dr. Arthur P
Support for a Workshop on Circuits of the Circadian System	National Inst of Neurological Disorders & Stroke	Federal	10,000.00	Stony Brook University	Morin, Dr. Lawrence P
Pathological Interactions of Amyloid Beta Protein	National Inst of Neurological Disorders & Stroke	Federal	50,000.00	Stony Brook University	Van Nostrand, Dr. William E
Modulation of Neuronal Acetylcholine Receptors	National Inst of Neurological Disorders & Stroke	Federal	749,285.00	Stony Brook University	Role, Dr. Lorna
Fellowship for Catherine Lourdes Salussolia: The Functional Significance of Conformational States in Glutamatergic Signaling	National Inst of Neurological Disorders & Stroke	Federal	30,772.00	Stony Brook University	Wollmuth, Dr. Lonnie P
ARRA: Recruitment of Two Tenure-Track Faculty to Neurobiology & Behavior, Stony Brook	National Inst of Neurological Disorders & Stroke	Federal	1,237,825.00	Stony Brook University	Role, Dr. Lorna
Alternate Pore Isoforms of a Mechanotransducing Ion Channel	National Inst on Deafness & Other Comm Disorders	Federal	185,313.00	Stony Brook University	Kernan, Dr. Maurice J
Steriod Hormone Biosynthesis by M.tb	National Institute of Allergy & Infectious Disease	Federal	231,919.00	Stony Brook University	Sampson, Dr. Nicole S
STAT3 Structural Determinants	National Institute of Allergy & Infectious Disease	Federal	78,500.00	Stony Brook University	Reich, Dr. Nancy C
Molecular and Cell Biology of Infectious Diseases	National Institute of Allergy & Infectious Disease	Federal	167,469.00	Stony Brook University	Bliska, Dr. James B
Investigation of Mycobacterial GMC Oxidoreductase Rv3409c	National Institute of Allergy & Infectious Disease	Federal	231,567.00	Stony Brook University	Sampson, Dr. Nicole S
Chemotherapeutics Against Multi-Drug Resistant Tuberculosis	National Institute of Allergy & Infectious Disease	Federal	861,991.00	Stony Brook University	Tonge, Dr. Peter J.
ARRA: Modulation of Host Signaling Functions by Yersinia Yops	National Institute of Allergy & Infectious Disease	Federal	387,263.00	Stony Brook University	Bliska, Dr. James B
ARRA: Agents of Bioterrorism: Pathogenesis and Host Defense	National Institute of Allergy & Infectious Disease	Federal	3,996,401.00	Stony Brook University	Benach, Dr. Jorge L
ANDV Induced Responses of Hypoxic Endothelial Cells	National Institute of Allergy & Infectious Disease	Federal	196,250.00	Stony Brook University	Mackow, Dr. Erich R
Peripheral Blood Dendritic Cells and Periodontitis	National Institute of Dental & Craniofacial Res	Federal	174,747.00	Stony Brook University	Cutler, Dr. Christopher R
Oral Pathogens and Dendritic Cell Subsets	National Institute of Dental & Craniofacial Res	Federal	722,692.00	Stony Brook University	Cutler, Dr. Christopher R
Diabetes and Periodontics Trial-Administrative Center/Study Chair/SBU Clinical Site	National Institute of Dental & Craniofacial Res	Federal	96,464.00	Stony Brook University	Engebretson, Dr. Steven
Diabetes and Periodontics Trial- Coordinating Center	National Institute of Dental & Craniofacial Res	Federal	80,670.00	Stony Brook University	Hyman, Dr. Leslie G
Diabetes and Periodontics Trial - Coordinating Center	National Institute of Dental & Craniofacial Res	Federal	771,770.00	Stony Brook University	Hyman, Dr. Leslie G
Diabetes and Peridontics Trial - Administrative Center/Study Chair	National Institute of Dental & Craniofacial Res	Federal	3,123,950.00	Stony Brook University	Engebretson, Dr. Steven
Medical Scientist Training Program	National Institute of General Medical Sciences	Federal	302,736.00	Stony Brook University	Frohman, Dr. Michael A
Modeling Aqueous Solvation in Biology	National Institute of General Medical Sciences	Federal	221,572.00	Stony Brook University	Dill, Dr. Kenneth
Mol. & Cell Bio. & Biochemistry and Structural Bio. Graduate Training Programs	National Institute of General Medical Sciences	Federal	113,007.00	Stony Brook University	Lennarz, Dr. William J
Mol. & Cell Bio. & Biochemistry and Structural Bio. Graduate Training Programs	National Institute of General Medical Sciences	Federal	30,797.00	Stony Brook University	Lennarz, Dr. William J
Nanotechnology-based Theranostic Technology for Bone Tissue Engineering	National Institute of General Medical Sciences	Federal	2,355,000.00	Stony Brook University	Sitharaman, Dr. Balaji
Re-wiring of Gene Expression in the Meiotic State	National Institute of General Medical Sciences	Federal	1,392,411.00	Stony Brook University	Futcher, Dr. Bruce A.
Runt-Dependent Regulation of Enhancer-Promoter Interactions	National Institute of General Medical Sciences	Federal	240,540.00	Stony Brook University	Gergen, Dr. J. Peter
SBU Chemistry-Biology Interface Training Program	National Institute of General Medical Sciences	Federal	138,740.00	Stony Brook University	Sampson, Dr. Nicole S
SiRNA Therapeutics: GAP Junction Delivery In Vitro and In Vivo	National Institute of General Medical Sciences	Federal	516,550.00	Stony Brook University	Brink, Dr. Peter R
Training Grant in Pharmacological Sciences	National Institute of General Medical Sciences	Federal	235,346.00	Stony Brook University	Tsirka, Dr. Styliani-Anna
Training Grant in Pharmacological Sciences	National Institute of General Medical Sciences	Federal	238,070.00	Stony Brook University	Tsirka, Dr. Styliani-Anna
ARRA: Mechanisms of a Novel Chemotactic Cofactor for C5a	National Institute of General Medical Sciences	Federal	53,500.00	Stony Brook University	Kew, Dr. Richard R
Activation of Phospholipase Cbeta by G Proteins	National Institute of General Medical Sciences	Federal	339,808.00	Stony Brook University	Scarlata, Dr. Suzanne F
Assembly and Function of the Yeast Spore Wall	National Institute of General Medical Sciences	Federal	387,103.00	Stony Brook University	Neiman, Dr. Aaron M
Combinatorial Statistical Mechanics of Protein Folding	National Institute of General Medical Sciences	Federal	264,528.00	Stony Brook University	Dill, Dr. Kenneth
Cyclic Nucleotide Permeability of Connexin Mutants Related to Genetic Disease	National Institute of General Medical Sciences	Federal	298,300.00	Stony Brook University	Valiunas, Dr. Virginijus
Director's Pioneer Award: Unveiling the Role and Taking Control of Cholinergic Tone in Circuits of Attention, Memory and Fear	National Institute of General Medical Sciences	Federal	785,000.00	Stony Brook University	Role, Dr. Lorna
Genetics	National Institute of General Medical Sciences	Federal	226,055.00	Stony Brook University	Thomsen, Dr. Gerald H

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Genetics	National Institute of General Medical Sciences	Federal	98,911.00	Stony Brook University	Thomsen, Dr. Gerald H
MARC: Minority Access to Research Careers	National Institute of General Medical Sciences	Federal	313,965.00	Stony Brook University	Moloney, Mr. Daniel
Medical Scientist Training Program	National Institute of General Medical Sciences	Federal	200,430.00	Stony Brook University	Frohman, Dr. Michael A
Trajectories of Recovery From Psychosis Over Two Decades	National Institute of Mental Health	Federal	647,645.00	Stony Brook University	Kotov, Dr. Roman
NRSA for Anna Weinberg: Neural Correlates of Error Monitoring in Anxiety, Depression, and Comorbid Anxiety	National Institute of Mental Health	Federal	30,215.00	Stony Brook University	Hajcak, Dr. Greg
Fellowship for D. Foti: Investigating Emotional Reactivity in Depression Using Event-Related Potentials	National Institute of Mental Health	Federal	29,795.00	Stony Brook University	Hajcak, Dr. Greg
Ultrahigh-Resolution Optical Tomography of Cocaine-Induced Neurovascular Toxicity	National Institute on Drug Abuse	Federal	193,863.00	Stony Brook University	Pan, Dr. Yingtian
FABPs Mediate Activation of PPAR Alpha Receptors by N-Acylethanolamines	National Institute on Drug Abuse	Federal	193,012.00	Stony Brook University	Kaczocha, Dr. Martin
ECOHAB: Establishing the Sources of Phosphorus Promoting Toxic Cyanobacteria Blooms in the US Great Lakes Using Gene Expression Assays	National Oceanic and Atmospheric Administration	Federal	285,895.00	Stony Brook University	Gobler, Dr. Christopher John
Regional Sediment Management: Long Island Coastal Planning Project (LICPP-RSM): Project Delivery Team Meetings and a Stakeholders Workshop	National Park Service	Federal	40,150.00	Stony Brook University	Bokuniewicz, Dr. Henry J
Is Nitrogen a Cause of Marsh Loss in Jamaica Bay?	National Park Service	Federal	78,899.00	Stony Brook University	Cochran, Dr. J Kirk
III: Small: Better Sentiment Analysis Through Forecasting	National Science Foundation	Federal	423,164.00	Stony Brook University	Skiena, Dr. Steven
IPA Agreement for David Conover	National Science Foundation	Federal	308,018.00	Stony Brook University	Kaler, Dr. Eric W.
IPA for David Conover as Director of NSF Division of Ocean Sciences	National Science Foundation	Federal	418,871.00	Stony Brook University	Zhang, Dr. Ming-Hua
Improving Undergraduate Labs via Cyber-enabled Instruction and Remote Instrument Control	National Science Foundation	Federal	198,825.00	Stony Brook University	Hemmick, Dr. Thomas K
In Situ Study of Lattice Preferred Orientation at Mantle Conditions	National Science Foundation	Federal	123,279.00	Stony Brook University	Weidner, Dr. Donald J
Mechanical Deformation, Failure Mode and Permeability Evolution in Carbonate Rock	National Science Foundation	Federal	197,931.00	Stony Brook University	Wong, Dr. Teng-Fong
NSF Institutional Allowance for Cara Thompson	National Science Foundation	Federal	3,000.00	Stony Brook University	Reeder, Dr. Richard J.
NSF-MRI Acquisition of a 600 MHz NMR with a Cryoprobe	National Science Foundation	Federal	763,049.00	Stony Brook University	Raleigh, Dr. Daniel P
NSF/DOE Thermoelectrics Partnership: Integrated Design and Manufacturing of Cost-Effective and Industrial-Scalable TEG for Vehicle Applications	National Science Foundation	Federal	193,675.00	Stony Brook University	Zuo, Dr. Lei
NeTS: Small: Large Scale Sensor Network Routing Using Conformal Geometry	National Science Foundation	Federal	450,000.00	Stony Brook University	Gao, Dr. Jie
Elucidating Jet Quenching and Medium Response Mechanisms via Hard Probes in Relativistic Heavy-Ion Collisions	National Science Foundation	Federal	155,000.00	Stony Brook University	Jia, Dr. Jiangyong
Experimental Studies of the Standard Model and Beyond at High Energy Colliders	National Science Foundation	Federal	650,000.00	Stony Brook University	Hobbs, Dr. John D
Frontiers in Complex Dynamics	National Science Foundation	Federal	114,843.00	Stony Brook University	Sutherland, Mr. Scott
GOALI: Novel Interface Driven Phenomena in Thermal Sprayed Systems: Mechanics, Materials Processing and Industrial Linkages	National Science Foundation	Federal	609,930.00	Stony Brook University	Sampath, Dr. Sanjay
GSE/RES Advancing Women in STEM: Building Engagement through Later Academic and Work Transitions	National Science Foundation	Federal	524,369.00	Stony Brook University	London-Thompson, Dr. Bonita
GV: EAGER: Navigation, Exploration and Visualization Tools for Knowledge Discovery in High Dimensional Data Space	National Science Foundation	Federal	103,001.00	Stony Brook University	Mueller, Dr. Klaus
Harmonic Analysis, Geometric Measure Theory and Applications	National Science Foundation	Federal	135,000.00	Stony Brook University	Schul, Dr. Raanan
High-Resolution Radiosonde Data, Gravity Waves, Turbulence, and the Extratropical Tropopause	National Science Foundation	Federal	9,420.00	Stony Brook University	Geller, Dr. Marvin A
I/UCRC CGI: Center for Dynamic Data Analytics (CDDA)	National Science Foundation	Federal	55,000.00	Stony Brook University	Kaufman, Dr. Arie E
SUNY AGEP: Best Practices for Institutionalization	National Science Foundation	Federal	150,000.00	Stony Brook University	Kaler, Dr. Eric W.
Surface Directed Separation of Large DNA Fragments	National Science Foundation	Federal	300,000.00	Stony Brook University	Gersappe, Dr. Dilip
Symposium on Undergraduate Research; Rochester, NY Oct 24-28, 2010	National Science Foundation	Federal	7,001.00	Stony Brook University	Metcalf, Dr. Harold
Theoretical Physics	National Science Foundation	Federal	410,000.00	Stony Brook University	Sterman, Dr. George

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Ultrasonic Velocity and Density Measurements on Silicate Melts at Upper Mantle Pressures	National Science Foundation	Federal	276,513.00	Stony Brook University	Li, Dr. Baosheng
Vibration Control of Tall Buildings Using Electricity Generating Tuned Mass Dampers	National Science Foundation	Federal	260,000.00	Stony Brook University	Zuo, Dr. Lei
Open Books, Lefschetz Fibrations, and Related Questions in Low-Dimensional Topology	National Science Foundation	Federal	133,906.00	Stony Brook University	Plamenevskaya, Dr. Olga
Open Strings	National Science Foundation	Federal	55,000.00	Stony Brook University	Rastelli, Dr. Leonardo
PFI: Partnership for Innovation in Thermally Sprayed Systems - Enabling New Applications Through Collaborative Research	National Science Foundation	Federal	599,933.00	Stony Brook University	Sampath, Dr. Sanjay
Prediction and Characterization of Novel Earth-forming Minerals Using Advanced Ab Initio Simulations	National Science Foundation	Federal	360,000.00	Stony Brook University	Oganov, Dr. Artem
Probabilistic Tabled Logic Programming	National Science Foundation	Federal	500,000.00	Stony Brook University	Ramakrishnan, Dr. C R
RAPID: A Field Intercomparison of High-Resolution Proton-Transfer-Reaction Time-of-Flight Mass Spectrometers	National Science Foundation	Federal	42,147.00	Stony Brook University	Knopf, Dr. Daniel
RAPID: A New Technique for Vertical Profiling of Volatile Organic Compounds Within and Above the Convective Boundary Layer	National Science Foundation	Federal	65,500.00	Stony Brook University	Knopf, Dr. Daniel
RAPID: Metal Oxide Nanogrids as Photocatalysts for the Decomposition of Oil in Water	National Science Foundation	Federal	100,000.00	Stony Brook University	Gouma, Dr. Pelagia I
REU Site: Nanotechnology for Health, Energy and the Environment	National Science Foundation	Federal	124,131.00	Stony Brook University	Halada, Dr. Gary P
Robert Noyce Teacher Scholarship Program	National Science Foundation	Federal	749,487.00	Stony Brook University	Sheppard, Mr. Keith
CAREER: Novel Homogenization Approaches to Study the Electromechanical Behavior and Stability of Soft Electrostrictive Composites	National Science Foundation	Federal	400,000.00	Stony Brook University	Lopez-Pamies, Dr. Oscar
CAREER: The Symbiosis of Graphical Models and Games	National Science Foundation	Federal	95,829.00	Stony Brook University	Ortiz, Dr. Luis E
CAREER: Engineered Ferroic Superlattices for Science, Technology and Education	National Science Foundation	Federal	90,000.00	Stony Brook University	Dawber, Dr. Matthew
CAREER: Sequential Monte Carlo Methods for High Dimensional Systems	National Science Foundation	Federal	150,150.00	Stony Brook University	Fernandez-Bugallo, Dr. Monica
CAREER: Toward a General Framework for Words and Pictures	National Science Foundation	Federal	88,018.00	Stony Brook University	Berg, Dr. Tamara
CIF: Small: Learning and Herding in Complex Systems	National Science Foundation	Federal	470,207.00	Stony Brook University	Djuric, Dr. Petar M
COLLABORATIVE RESEARCH: Rapidly Tunable Quantum Cascade Lasers for FM Optical Links and Spectroscopy	National Science Foundation	Federal	153,460.00	Stony Brook University	Belenky, Dr. Gregory
Cold Atoms, Cold Molecules, and Spectroscopy	National Science Foundation	Federal	125,265.00	Stony Brook University	Bergeman, Dr. Thomas H
Collaborative Research: AGNES. Algebraic Geometry NorthEastern Series	National Science Foundation	Federal	20,000.00	Stony Brook University	Starr, Dr. Jason M.
Collaborative Research: CSEDI--Grand Challenge for Experimental Study of Plastic Deformation Under Deep Earth Conditions	National Science Foundation	Federal	254,987.00	Stony Brook University	Weidner, Dr. Donald J
Collaborative Research: Host-Pathogen Interactions at Pallial Interfaces in Marine Bivalves: Cellular and Molecular Pathways for Host Colonization and Invasion	National Science Foundation	Federal	148,818.00	Stony Brook University	Allam, Dr. Bassem
Collaborative Research: Automorphic Forms, Representations and L-Functions	National Science Foundation	Federal	119,995.00	Stony Brook University	Kontorovich, Dr. Alex
2010 Fall Workshop on Computational Geometry	National Science Foundation	Federal	10,000.00	Stony Brook University	Mitchell, Dr. Joseph S.B.
ABI Innovation: Synthetic Seqeunce Designs for Real Biology	National Science Foundation	Federal	497,915.00	Stony Brook University	Skiena, Dr. Steven
AF: Small: Collaborative Research: Algorithms for Reallocation Problems	National Science Foundation	Federal	249,999.00	Stony Brook University	Bender, Dr. Michael
Acoustic Assessment of Southern Ocean Salps and their Ecosystem Impact	National Science Foundation	Federal	205,191.00	Stony Brook University	Warren, Dr. Joseph
Acquisition of an Inductively Coupled Plasma Optical Emission Spectrometer for Multidisciplinary Research and Education	National Science Foundation	Federal	184,050.00	Stony Brook University	Black, Dr. David E.
An Iterated Homogenization Method to Study Cavitation in Soft Solids	National Science Foundation	Federal	96,144.00	Stony Brook University	Lopez-Pamies, Dr. Oscar
Arithmetic and Geometry of Calabi-Yau Varieties Workshop	National Science Foundation	Federal	24,000.00	Stony Brook University	Laza, Dr. Radu
CAMEO: Collaborative Research: Patterns of Connectivity in Northwest Atlantic Fishery Ecosystems	National Science Foundation	Federal	140,525.00	Stony Brook University	Frisk, Dr. Michael

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Dissertation Research: The Role of History in Adaptation to Novel Environments: The Relationship Between Morphology, Performance, and Phylogenetic History in Frogs	National Science Foundation	Federal	12,821.00	Stony Brook University	Wiens, Dr. John
Do Interactions Between Vertically and Horizontally Transported Particles Measurably Affect Particle Composition and Flux to the Sediments? A Mechanistic Approach	National Science Foundation	Federal	1,597,059.00	Stony Brook University	Black, Dr. David E.
Doctoral Dissertation Research in Political Science for Christopher D. Johnston: A Value-Based Model of Opinion Formation	National Science Foundation	Federal	12,000.00	Stony Brook University	Feldman, Dr. Stanley
Doctoral Dissertation Research in Political Science for Lilliana Mason: Partisan and Ideological Sorting in the United States	National Science Foundation	Federal	12,000.00	Stony Brook University	Feldman, Dr. Stanley
EAGER: Bridging Geometric Manifold Theory and Higher-Dimensional Data Modeling for Visual Computing	National Science Foundation	Federal	118,792.00	Stony Brook University	Qin, Dr. Hong
EAGER: Collaborative Research: Modeling Distinctive Partners in Adaptive Spoken Dialog	National Science Foundation	Federal	139,978.00	Stony Brook University	Brennan, Dr. Susan E
EAGER: Exploring Volumetric Modeling and Design Theory for Virtual Environments	National Science Foundation	Federal	125,000.00	Stony Brook University	Qin, Dr. Hong
EAGER: Identification of Epigenome Changes Induced by Elevated Ambient Temperatures and CO2 Concentrations in Arabidopsis Thaliana Using Sequencing Method	National Science Foundation	Federal	150,000.00	Stony Brook University	Liu, Dr. Qiong
Early Diagenetic Aluminosilicate Formation and Burial of Biogenic Silica in Tropical Deltas	National Science Foundation	Federal	471,594.00	Stony Brook University	Aller, Dr. Robert C
Collaborative Research: Convective Organization and Climate	National Science Foundation	Federal	41,184.00	Stony Brook University	Khairoutdinov, Dr. Marat
Collaborative Research: P2C2--Hydrological Variability During the Last Millennium from High Resolution Proxies	National Science Foundation	Federal	78,467.00	Stony Brook University	Black, Dr. David E.
Collaborative Research: Planning Visit to East Africa for Environmental Research on Lake Victoria	National Science Foundation	Federal	14,117.00	Stony Brook University	Lwiza, Dr. Kamazima M
Collaborative Research: Simulations of Anthropogenic Climate Change Using a Multi-Scale Modeling Framework	National Science Foundation	Federal	329,872.00	Stony Brook University	Khairoutdinov, Dr. Marat
Collaborative Research: The Norrona Project: An International Collaboration for Sustained Studies of the Meridional Overturning Circulation Between Denmark, the Faroes and Iceland	National Science Foundation	Federal	7,075.00	Stony Brook University	Flagg, Dr. Charles N.
Deciphering Molecular Mechanisms of Lignin Precursor Transportation	National Science Foundation	Federal	252,752.00	Stony Brook University	Liu, Dr. Chang Jun
DISSERTATION RESEARCH: Osteological, Myological, and Phylogenetic Trends and Forelimb Reduction in Theropod Dinosaurs	National Science Foundation	Federal	15,000.00	Stony Brook University	Turner, Dr. Alan H
Complex Geometry via Analytic Techniques	National Science Foundation	Federal	139,999.00	Stony Brook University	Varolin, Dr. Dror
Closing the Cultural Gap: Linking Suicide Prevention to the Needs of Asian America	Substance Abuse & Mental Health Services Admin	Federal	112,626.00	Stony Brook University	Majumdar Das, Ms. Smita
Evaluating Dredging Windows in Marine Waters in New York State and NY & NJ Harbor	US Army Corps Engineers	Federal	30,000.00	Stony Brook University	Ammerman, Dr. James
Unlocking the Power of the Military Social Network	US Army Medical Research Acquisition Activity	Federal	490,400.00	Stony Brook University	Heyman, Dr. Richard E
Genetic Redesigning Oncolytic Virus Based on Codon-Pair Bias	US Army Medical Research Acquisition Activity	Federal	117,750.00	Stony Brook University	Nimnual, Dr. Anjaruwee
FOXO1 Inhibition of Androgen-Independent Activation of the AR in Prostate Cancer	US Army Medical Research Acquisition Activity	Federal	310,923.00	Stony Brook University	Huang, Dr. Haojie
Development of a Novel Cell-Based, High-Throughput Screening Assay for Antimetastatic Breast Cancer	US Army Medical Research Acquisition Activity	Federal	117,750.00	Stony Brook University	Cao, Dr. Jian
Breast Cancer Stem Cells: Control Using Novel Agents and a Novel Drug Delivery System	US Army Medical Research Acquisition Activity	Federal	347,323.00	Stony Brook University	Rigas, Dr. Basil
The Neurobiological Basis For Individual Differences In Pattern-Detection Within Low Signal/Noise Environments: An FMRI Study	US Army Research Development & Engineering Command	Federal	125,000.00	Stony Brook University	Mujica-Parodi, Dr. Lilianne
Novel Design of Type I High Power Mid-IR Diode Lasers for Spectral Region 3 - 4.2 Microns	US Army Research Office	Federal	100,000.00	Stony Brook University	Belenky, Dr. Gregory
Assessment of Impact Damage in Composites via Self-Sensing Fibers	US Army Research Office	Federal	166,335.00	Stony Brook University	Nakamura, Dr. Toshio
Marks of Identity: Reconstructing the History of an African Ceramic Tradition	US Department of Education	Federal	95,049.00	Stony Brook University	Frank, Ms. Barbara

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
The Physics of Hot and Dense Quark-Gluon Matter	US Department of Energy	Federal	90,000.00	Stony Brook University	Kharzeev, Dr. Dmitri
Study of Plasma Liner Driven Magnetized Target Fusion Via Advanced Simulations	US Department of Energy	Federal	72,000.00	Stony Brook University	Samulyak, Dr. Roman
Photocathodes for High Repetition Rate Light Sources	US Department of Energy	Federal	333,124.00	Stony Brook University	Ben-Zvi, Dr. Ilan
Advanced Thermal Barrier Coatings for Operation in High Hydrogen Content Fueled Gas Turbines	US Department of Energy	Federal	401,238.00	Stony Brook University	Sampath, Dr. Sanjay
2011 Particle Accelerator Conference, March 27-April 1, 2011	US Department of Energy	Federal	20,000.00	Stony Brook University	Litvinenko, Dr. Valdimir
Scientific Research on the Morphologic and Compositional Geology of Libya Montes and the Interbasin of Northern Terra Tyrrhena, Mars	US Geological Survey	Federal	17,099.00	Stony Brook University	Rogers, Dr. Andrea
Concurrent Exploration of Compressive Sensing and Networked MIMO Radars for High Quality and Robust Detection and Tracking	US Navy Office of Naval Research	Federal	100,000.00	Stony Brook University	Wang, Dr. Xin
X-ray absorption spectroscopy research in energy materials: Northrup/X15B program	US Navy Research Laboratory	Federal	10,000.00	Stony Brook University	Northrup, Mr. Paul A
Funds for K. Pinz: Mechanisms of Renal Tubular Injury and Repair	Veterans Administration Medical Ctr at Northport	Federal	66,720.00	Stony Brook University	Lieberthal, Dr. Wilfred
Funds for Valentina Alessi: Strengthening Connections in the Damaged Spinal Cord to Improve Function	Veterans Administration Medical Ctr at Northport	Federal	61,160.00	Stony Brook University	Arvanian, Dr. Victor Levon
IPA for Hayk Petrosyan: Strengthening Connections in the Damaged Spinal Cord to Improve Function	Veterans Administration Medical Ctr at Northport	Federal	66,214.00	Stony Brook University	Arvanian, Dr. Victor Levon
IPA Agreement for L. Zhang: Mechanisms of Renal Tubular Injury and Regeneration	Veterans Administration Medical Ctr at Northport	Federal	68,344.00	Stony Brook University	Lieberthal, Dr. Wilfred
IPA Agreement for Lisa Ballou	Veterans Administration Medical Ctr at Northport	Federal	108,420.00	Stony Brook University	Lin, Dr. Richard
IPA Extension for Lesley Scudder	Veterans Administration Medical Ctr at Northport	Federal	54,099.00	Stony Brook University	Crawford, Dr. Howard C.
VA IPA Agreement for Elzbieta Selinger	Veterans Administration Medical Ctr at Northport	Federal	55,600.00	Stony Brook University	Lin, Dr. Richard
Long Island Center for Pediatric Obesity Prevention Best Practices	NYS Department of Health	State	250,452.00	Stony Brook University	Connolly-Schoonen, Dr. Josephine
NYS Health Workforce Retraining Initiative - Physician Assistants	NYS Department of Health	State	308,989.00	Stony Brook University	Timko-Swaim, Ms. Lynn
NYSTEM: Novel Chimeric Fizzleds as Tools to Program hESC Differentiation	NYS Department of Health	State	283,255.00	Stony Brook University	Wang, Dr. Hsienyu
NYSTEM: Summer Undergraduate Experience in Stem Cell Research at Stony Brook	NYS Department of Health	State	76,489.00	Stony Brook University	Bynum, Dr. R. David
NYSTEM: Therapy of Hemophilia A Using Megakaryocyte-Targeted Stem Cell Delivery	NYS Department of Health	State	360,000.00	Stony Brook University	Bahou, Dr. Wadie F
NYSTEM: Extracellular Matrix Regulation of the Neural Stem Cell Niche	NYS Department of Health	State	120,000.00	Stony Brook University	Colognato, Dr. Holly
NYSTEM: Immune Responses to Allogeneic Stem Cell Transplantation	NYS Department of Health	State	203,632.00	Stony Brook University	Ghazizadeh, Dr. Soosan
NYSTEM: In Vivo Assessment of the Tumorigenic Potential of IPS-Inducing Transcription Factors in Mouse Models	NYS Department of Health	State	358,675.00	Stony Brook University	Moll, Dr. Ute M
NYSTEM: Regulation of Stem Cell Pluripotency by REST/NRSF	NYS Department of Health	State	165,617.00	Stony Brook University	Sirotkin, Dr. Howard
NYSTEM: Shared Facilities for Stem Cell Research	NYS Department of Health	State	1,908,179.00	Stony Brook University	Bahou, Dr. Wadie F
Regional Training Center	NYS Department of Health	State	116,835.00	Stony Brook University	Lehmann, Dr. Craig A
The Long Island Occupational and Environmental Health Center	NYS Department of Health	State	463,252.00	Stony Brook University	Cocchiarella, Dr. Linda
Adolescent/Young Adult Specialized Care Center (SCC)	NYS Department of Health	State	63,656.00	Stony Brook University	Puccio, Dr. Joseph
Center of Excellence in Pediatrics	NYS Department of Health	State	64,539.00	Stony Brook University	Puccio, Dr. Joseph
ESAP - Syringe Disposal	NYS Department of Health	State	3,625.00	Stony Brook University	Lehmann, Dr. Craig A
Library Collection Aid Award	NYS Education Department	State	25,555.00	Stony Brook University	White, Dr. Andrew
Science and Technology Entry Program (STEP)	NYS Education Department	State	57,226.00	Stony Brook University	Ferguson, Dr. David L
Science and Technology Entry Program	NYS Education Department	State	221,248.00	Stony Brook University	Ferguson, Dr. David L
Collegiate Science and Technology Entry Program	NYS Education Department	State	56,592.00	Stony Brook University	Ferguson, Dr. David L
Collegiate Science and Technology Entry Program	NYS Education Department	State	216,552.00	Stony Brook University	Ferguson, Dr. David L
Educational Leadership Program Enhancement Project (ELPEP)	NYS Education Department	State	295,407.00	Stony Brook University	Moraghan, Dr. Robert
Thermoelectric Engergy Recovery	NYS Energy Research and Development Authority	State	50,000.00	Stony Brook University	Zuo, Dr. Lei

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
New York Energy Policy Institute	NYS Energy Research and Development Authority	State	199,824.00	Stony Brook University	Stokes, Dr. Gerald
New York State Library Conservation/Preservation Program Grant	NYS Library Division of Library Development	State	24,025.00	Stony Brook University	Torre, Mr. F. Jason
Respite and Recreation Services	NYS Office For People with Dev Disabilities	State	55,776.00	Stony Brook University	Pomeroy, Dr. John C C
Non-Medicaid Service Coordination	NYS Office For People with Dev Disabilities	State	31,308.00	Stony Brook University	Pomeroy, Dr. John C C
Crisis Intervention/Behavorial Support Services	NYS Office For People with Dev Disabilities	State	52,230.00	Stony Brook University	Pomeroy, Dr. John C C
Crisis Intervention/Behavorial Support Services	NYS Office For People with Dev Disabilities	State	26,115.00	Stony Brook University	Pomeroy, Dr. John C C
Dean's Consortium of Schools of Social Work Evidence Based Practice in Mental Health Project	NYS Office of Mental Health	State	6,200.00	Stony Brook University	Wrase, Ms. Betty Jean
Sensor CAT Luryi FY10/11	NYS Office of Science Technology and Academic Res	State	109,837.00	Stony Brook University	Luryi, Dr. Serge
Sensor CAT 2011-12	NYS Office of Science Technology and Academic Res	State	921,200.00	Stony Brook University	Luryi, Dr. Serge
Center for Biotechnology 11-12	NYS Office of Science Technology and Academic Res	State	230,300.00	Stony Brook University	Rubin, Dr. Clinton T
Center for Biotechnology 10-11	NYS Office of Science Technology and Academic Res	State	108,794.00	Stony Brook University	Rubin, Dr. Clinton T
NEH Enduring Questions Course on "What is Forgiveness?"	National Endowment for the Humanities	Federal	11,716.00	SUNY Brockport	Kurtz, Dr. John Roger
ARRA: An Investigation into the Molecular Mechanisms of Melanin-Concentrating Hormone R	National Institute of General Medical Sciences	Federal	36,132.00	SUNY Brockport	Cook, Dr. Laurie B
ARRA: Improving Research Capabilities in Chemistry, Physics, Computational Science and Environmental Science at The College at Brockport, SUNY, a Primarily Undergraduate Institution	National Science Foundation	Federal	32,500.00	SUNY Brockport	Hoffmann, Dr. Markus M
Collaborative Research: STEM Real World Applications of Mathematics	National Science Foundation	Federal	25,542.00	SUNY Brockport	Smith, Dr. Rebecca N
Thiamine Monitoring of Lake Trout Eggs in the Great Lakes	US Geological Survey	Federal	36,648.00	SUNY Brockport	Rinchard, Dr. Jacques J
Collaborative Research on Weltand Management and Invasive Species Control in the Great Lakes	US Geological Survey	Federal	16,444.00	SUNY Brockport	Wilcox, Dr. Douglas A
Library Coordinated Collection Development - Library Collection Aid Year 10-11	NYS Education Department	State	10,509.00	SUNY Brockport	Orzech, Dr. Mary Jo
Teacher Opportunity Corps Program (10-11)	NYS Education Department	State	31,146.00	SUNY Brockport	DiPasquale, Ms. Nancy N
Collegiate Science and Technology Entry Program (CSTEP 10-11)	NYS Education Department	State	108,932.00	SUNY Brockport	Thompson, Ms. Barbara J
Scholarships for Engineering Technology	National Science Foundation	Federal	153,982.00	SUNY Canton	Ononye, Ms. Lawrette
Trio- Student Support Services	US Department of Education	Federal	268,278.00	SUNY Canton	Cassara, Ms. Patricia M
Library Coordinated Collection Development Aid 2010-2011	NYS Education Department	State	5,810.00	SUNY Canton	Horton, Kathleen
Liberty Partnership Program	NYS Education Department	State	399,310.00	SUNY Canton	Grant, Ms. Agnes
Solar Thermal	NYS Energy Research and Development Authority	State	125,000.00	SUNY Canton	Newtown, Mr. Michael
BioWaste to BioEnergy Center	US Army Picatinny Arsenal	Federal	1,615,000.00	SUNY Cobleskill	Goodale, Dr. Douglas M
Technical Assistance for Customer Sited Rural Bio Mass Energy Projects in New York State	US Department of Agriculture	Federal	99,500.00	SUNY Cobleskill	Myers, Mrs. Anne
Tobacco Control Program Youth Program	NYS Department of Health	State	113,750.00	SUNY Cobleskill	Turner, Mr. Paul M
Creating Healthy Places to Live, Work and Play	NYS Department of Health	State	262,312.00	SUNY Cobleskill	Radliff, Mrs. Mary D
Library Coordinated Collection Development- Library Collection Aid Yr 2010-2011	NYS Education Department	State	5,814.00	SUNY Cobleskill	Orgeron, Ms. Elizabeth
Liberty Partnership Programs (FY 10-11)	NYS Education Department	State	310,935.00	SUNY Cobleskill	Turner, Mr. Paul M
Frontier and Empire on the Central Anatolian Plateau: Trasitions at Cadir Hoyuk	National Science Foundation	Federal	294,260.00	SUNY Cortland	Steadman, Dr. Sharon R
ECIS Evaluation of Additional Vertebrate Cell Lines for Chemical Sensitivity, Temperature Tolerance, and Shelf Life	US Army Medical Research Acquisition Activity	Federal	77,147.00	SUNY Cortland	Curtis, Dr. Theresa
The IM:PACT Project Inclusion Matters: Partnering for Authentic Change in Teaching	US Department of Education	Federal	279,027.00	SUNY Cortland	Cottone, Dr. John
Mathematics Achievement and Success Through Engagement in Resources for Migrant Students	NYS Education Department	State	30,000.00	SUNY Cortland	Barduhn, Dr. Marley E
Liberty Partnerships Program 2010-2011	NYS Education Department	State	219,372.00	SUNY Cortland	Barduhn, Dr. Marley E
Coordinated Collection Development Aid	NYS Education Department	State	9,868.00	SUNY Cortland	Wood, Ms. Gail

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Library Collection Aid Yr. 10/11	NYS Education Department	State	5,921.00	SUNY Delhi	Peters, Ms. M
Radiofrequency Techniques to Non-Invasively Monitor Brain Neural Activity	Defense Advanced Research Projects Agency (DARPA)	Federal	270,464.00	SUNY Downstate Medical Center	Ling, Dr. Douglas
IPA Agreement for Hai Huang	Department of Veterans Affairs	Federal	48,942.00	SUNY Downstate Medical Center	Boutjdir, Dr. Mohamed
NYS International Training and Research Program	Fogarty International Center	Federal	745,048.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Physician Assistant Training in Primary Care	Health Resources and Services Admin	Federal	256,185.00	SUNY Downstate Medical Center	Mitchell, Ms. Rena
Ryan White Part C Outpatient EIS Program	Health Resources and Services Admin	Federal	1,086,498.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Ryan White Title IV Program	Health Resources and Services Admin	Federal	1,722,603.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
Special Projects of National Significance	Health Resources and Services Admin	Federal	469,506.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
Special Projects of National Significance: Hepatitis C Treatment Initiative Demonstration Sites	Health Resources and Services Admin	Federal	80,000.00	SUNY Downstate Medical Center	Yusuff, Dr. Jameela J
ARRA: Equipment to enhance Training for Health Professionals	Health Resources and Services Admin	Federal	43,639.00	SUNY Downstate Medical Center	Cohen, Dr. Carl
Advanced Education Nursing Grant/Midwifery Education Program	Health Resources and Services Admin	Federal	572,929.00	SUNY Downstate Medical Center	Lichtman, Dr. Ronnie S
Geriataric Training Program for Physicians, Dentists, and Behavoral and Mental Health Professions	Health Resources and Services Admin	Federal	870,192.00	SUNY Downstate Medical Center	Cohen, Dr. Carl
Geriataric Training Program for Physicians, Dentists, and Behavoral and Mental Health Professions	Health Resources and Services Admin	Federal	50,000.00	SUNY Downstate Medical Center	Cohen, Dr. Carl
The Brooklyn Minority-Based Community Clinical Oncology Program	National Cancer Institute	Federal	20,000.00	SUNY Downstate Medical Center	Solomon, Dr. William
Role of Extracellular Matrix in Retinal Development and Disease	National Eye Institute	Federal	458,990.00	SUNY Downstate Medical Center	Brunken, Dr. William Joseph
Stroke and aPL: Community-Based Clinicopathological Study	National Heart Lung and Blood Institute	Federal	1,448,959.00	SUNY Downstate Medical Center	Levine, Dr. Steven R.
Program to Increase Diversity in Faculty Engaged in Behavioral and Sleep Medicine	National Heart Lung and Blood Institute	Federal	297,872.00	SUNY Downstate Medical Center	Jean-Louis, Dr. Girardin
Program to Increase Diversity in Cardiovascular Health Related Research	National Heart Lung and Blood Institute	Federal	299,661.00	SUNY Downstate Medical Center	Boutjdir, Dr. Mohamed
Mouse Nude Locus and Skin Development	National Inst of Arthritis Musculoskeletal & Skin	Federal	696,361.00	SUNY Downstate Medical Center	Brissette, Dr. Janice L.
Measuring and Improving Medication Adherence in Kidney Transplant Patients	National Inst of Diabetes Digestive Kidney Disease	Federal	79,520.00	SUNY Downstate Medical Center	Cukor, Dr. Daniel
Parkinson's Disease Neuroprotection: Brooklyn Clinical Center	National Inst of Neurological Disorders & Stroke	Federal	50,606.00	SUNY Downstate Medical Center	Bodis-Wollner, Dr. Ivan
Neurocognitive Function and Cerebral Perfusion In Cardiac Surgery	National Inst of Neurological Disorders & Stroke	Federal	259,803.00	SUNY Downstate Medical Center	Lee, Dr. Daniel C
Dynamic Microdomains in Brain Extracellular Space	National Inst of Neurological Disorders & Stroke	Federal	361,964.00	SUNY Downstate Medical Center	Hrabetova, Dr. Sabina
Collaborative Studies on the Genetics of Alcoholism/COGA	National Institute for Alcohol Abuse & Alcoholism	Federal	6,890,683.00	SUNY Downstate Medical Center	Porjesz, Dr. Bernice
Brooklyn Women's Interagency HIV Study (WHS) IV	National Institute of Allergy & Infectious Disease	Federal	2,925,786.00	SUNY Downstate Medical Center	Minkoff, Dr. Howard L
Conference: Sixth International Conference on Ethical Issues in Biomedical Engineering	National Science Foundation	Federal	15,000.00	SUNY Downstate Medical Center	Saha, Dr. Subrata
STAR Ready to Respond Initiative	Substance Abuse & Mental Health Services Admin	Federal	293,814.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Targeted Expansion Program for Substance Abuse Treatment and HIV/AIDS	Substance Abuse & Mental Health Services Admin	Federal	450,000.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Toxic Effects of Lead and Elctromagnetic Pulse Energy on Memory Mechanisms	US Air Force Office of Scientific Research	Federal	229,104.00	SUNY Downstate Medical Center	Ling, Dr. Douglas
Minocycline and N-Acetylcysteine: A Synergistic Drug Combination to Treat Traumatic Brain Injury	US Army Medical Research Acquisition Activity	Federal	321,055.00	SUNY Downstate Medical Center	Bergold, Dr. Peter J
Interhemispheric Information Transfer: A New Diagnostic Method for Mild Traumatic Brain Injury	US Army Medical Research Acquisition Activity	Federal	459,446.00	SUNY Downstate Medical Center	Bergold, Dr. Peter J
Dual Target-Based Neuroprotection Approach to Treat TBI	US Army Medical Research Acquisition Activity	Federal	454,323.00	SUNY Downstate Medical Center	Rubenstein, Dr. Richard
Real-Time Optical Imaging of Neural Structure and Activity Using Quantum Dots	US Navy Research Laboratory	Federal	75,000.00	SUNY Downstate Medical Center	Ling, Dr. Douglas
Veterinary & Husbandry Support (2010-2011)	Veterans Medical Center of Brooklyn	Federal	74,212.00	SUNY Downstate Medical Center	Adams, Dr. Samuel R
Prevention Services for Young People 11-12	NYS Aids Institute	State	193,735.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
HIV Clinical Education Initiative	NYS Aids Institute	State	276,360.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
HIV Clinical Education Initiative	NYS Aids Institute	State	22,164.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Family Centered Services Project	NYS Aids Institute	State	350,000.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Family Centered Services Project	NYS Aids Institute	State	120,849.00	SUNY Downstate Medical Center	Dehovitz, Dr. Jack
Comprehensive Primary Care and Prevention Program for Adolescents at Risk for Infected with HIV	NYS Aids Institute	State	341,000.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
Comprehensive Primary Care and Prevention Program for Adolescents at Risk for Infected with HIV	NYS Aids Institute	State	138,982.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
School Health Program - PS 13 and Wingate High School Components	NYS Department of Health	State	288,743.00	SUNY Downstate Medical Center	Custis, Dr. Kevin T
Empire Clinical Research Investigator Program Grant (ECRIP)	NYS Department of Health	State	110,000.00	SUNY Downstate Medical Center	Danias, Dr. Ioannis John
HHS- LGBT Individuals, Families and Communities - FY10-11	NYS Department of Health	State	118,912.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
HIV/STI Prevention and Related Services for Women	NYS Department of Health	State	193,735.00	SUNY Downstate Medical Center	Birnbaum, Dr. Jeffrey
Integrated Breast, Cervical and Colorectal Cancer Screening Partnerships	NYS Department of Health	State	182,688.00	SUNY Downstate Medical Center	Yomtov, Ms. Maria
Integrated Cancer Services Program	NYS Department of Health	State	139,038.00	SUNY Downstate Medical Center	Yomtov, Ms. Maria
Integrated Cancer Services Program	NYS Department of Health	State	125,134.00	SUNY Downstate Medical Center	Yomtov, Ms. Maria
Integrated Cancer Services Program 2011-2012	NYS Department of Health	State	243,584.00	SUNY Downstate Medical Center	Yomtov, Ms. Maria
Lamm Preschool Child and Adult Care Food Program	NYS Department of Health	State	5,000.00	SUNY Downstate Medical Center	Mc Cormick, Ms. Kathleen
Lamm Preschool	NYS Education Department	State	450,000.00	SUNY Downstate Medical Center	Mc Cormick, Ms. Kathleen
Coordinated Collection Development Aid 10/11	NYS Education Department	State	5,362.00	SUNY Downstate Medical Center	Winant, Dr. Richard
Source Tracking the Oswego River Phosphorus (Lake Ontario)	Environmental Protection Agency	Federal	289,552.00	SUNY ESF	Boyer, Dr. Gregory L
Additional Phytoremediation Laboratory Services to Support Hyperspectral Imaging Studies	NASA Marshall Space Flight Center	Federal	73,504.00	SUNY ESF	Newman, Dr. Lee

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Your Town: Citizens Institute for Rural Design	National Endowment for the Arts	Federal	120,000.00	SUNY ESF	Hawks, Mr. Richard S
Carbon Sequestration and Climate Changing Models for NYS Forests	National Oceanic and Atmospheric Administration	Federal	97,900.00	SUNY ESF	Davis, Robert S
Research and Evaluation Cultural Landscape of the Marin Headlands, Golden Gate National Recreation Area	National Park Service	Federal	20,000.00	SUNY ESF	Curry, Dr. George W
Provide Technical Assistance to Cultural Landscapes in National Parks, Phase III	National Park Service	Federal	47,900.00	SUNY ESF	Curry, Dr. George W
Develop Forest Stewardship Plan for Roosevelt - Vanderbilt National Historic Sites	National Park Service	Federal	50,000.00	SUNY ESF	Nowak, Dr. Christopher A
Upgrade of a 600 MHZ NMR Spectrometer at SUNY-ESF	National Science Foundation	Federal	399,000.00	SUNY ESF	Stipanovic, Dr. Arthur J
Collaborative Research: Activity and Abundance of Photoheterotrophs Fueled by Photochemically-Produced Substrates	National Science Foundation	Federal	143,144.00	SUNY ESF	Kieber, Dr. David J
ARRA Renovation of Wet Labs and Cyber-Infrastructure to Enhance Integrated Research and Teaching in Aquatic Science at SUNY ESF	National Science Foundation	Federal	1,470,000.00	SUNY ESF	Ringler, Dr. Neil H
Dissertation Research: Quantifying the Role of Mixotrophic Feeding in Aquatic Food Webs	National Science Foundation	Federal	15,000.00	SUNY ESF	Schulz, Dr. Kimberly L
Collaborative Research: Effects of Marine Algal Sterols on Zooplankton Growth and Reproduction	National Science Foundation	Federal	362,990.00	SUNY ESF	Giner, Dr. Jose L
Collaborative Research: Nutrient Co-Limitation in Young and Mature Northern Hardwood Forests	National Science Foundation	Federal	32,667.00	SUNY ESF	Yanai, Dr. Ruth
Collaborative Research: Of Mice and Mammoths: Toward a General Theory of Body Size Across Space and Time	National Science Foundation	Federal	95,582.00	SUNY ESF	Lomolino, Dr. Mark V
Collaborative Research: Quantifying Feedbacks between Fluvial Morphodynamics and Riparian Vegetation in Sand-Bed Rivers	National Science Foundation	Federal	80,362.00	SUNY ESF	Stella, Dr. John C
New York Forest Community Economic Assistance Program	Small Business Administration	Federal	100,000.00	SUNY ESF	Germain, Dr. Rene H
New Manufacturing Method for Paper Filler and Fiber Material	US Department of Energy	Federal	240,035.00	SUNY ESF	Doelle, Dr. Klaus
Population Viability Analysis for Florida Snowy Plovers	US Fish and Wildlife Service	Federal	20,000.00	SUNY ESF	Cohen, Jonathan
Near Shore Ecology of Grand Canyon Fish	US Geological Survey	Federal	64,884.00	SUNY ESF	Limburg, Dr. Karin E
IPA for Dr. Stephen Stehman	US Geological Survey	Federal	49,258.00	SUNY ESF	Stehman, Dr. Stephen V
McIntire Stennis FY 10-11	USDA Cooperative State Research Service	Federal	584,532.00	SUNY ESF	Ringler, Dr. Neil H
Prospectus for Forest Policy Research	USDA Forest Service	Federal	50,000.00	SUNY ESF	Newman, Dr. David H
Fungal Attractants for Sirex Noctilio and its Parasitoids	USDA Forest Service	Federal	40,000.00	SUNY ESF	Teale, Dr. Stephen A
Emerald Ash Borer Rapid Response Management Strategy for New York	USDA Forest Service	Federal	133,315.00	SUNY ESF	Fierke, Dr. Melissa
Climate Controlled Reproductive Asynchrony and Mating Success in Gypsy Moth Populations	USDA Forest Service	Federal	10,500.00	SUNY ESF	Parry, Dr. Dylan
A Spatial Model of National Forest Fire Ignitions	USDA Forest Service	Federal	51,844.00	SUNY ESF	Malmsheimer, Dr. Robert W
Farm and Forest to Fuel: An Integrative and Experiential Approach to Bioenergy, Biofuels, and Bioproducts Education	USDA National Institute of Food and Agriculture	Federal	170,790.00	SUNY ESF	Volk, Dr. Timothy A
New York State Fairgrounds Green Infrastrucolonnade and Restaurant Row	NYS Department of Agriculture and Markets	State	20,290.00	SUNY ESF	Shannon, Dr. Stanton Scott
Visitor Study Program	NYS Department of Environmental Conservation	State	44,000.00	SUNY ESF	Dawson, Dr. Chad P
Northern Forest Institute for Conservation Education and Leadership Training	NYS Department of Environmental Conservation	State	62,500.00	SUNY ESF	Hai, Mr. Paul
Natural Resources Planning and Conservation Easements: Conservation Easement Stewardship	NYS Department of Environmental Conservation	State	165,199.00	SUNY ESF	Dawson, Dr. Chad P
Natural Resources Planning	NYS Department of Environmental Conservation	State	175,336.00	SUNY ESF	Dawson, Dr. Chad P
Library Collection Aid FY 10/11	NYS Education Department	State	5,643.00	SUNY ESF	Weiter, Mr. Stephen P
SUNY ESF Collegiate Science and Technology Entry Program	NYS Education Department	State	79,787.00	SUNY ESF	Drummer Francis, Ms. Raydora S
UV/EB Technology Center	NYS Energy Research and Development Authority	State	915,166.00	SUNY ESF	Driscoll, Dr. Mark S

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
SUNY ESF Gateway Combined Heat and Power System	NYS Energy Research and Development Authority	State	204,375.00	SUNY ESF	Kelleher, Michael
Radiation Cured Natural Fiber Reinforced Composites	NYS Energy Research and Development Authority	State	75,000.00	SUNY ESF	Smith, Dr. Jennifer
Assessing the Viability of Radar and Acoustic Data as a Predictor of Collision Risk to Night Migrating Birds and Bats: A Test Using Data from the Maple Ridge Wind Power Project, Lewis County, NY	NYS Energy Research and Development Authority	State	49,976.00	SUNY ESF	Gibbs, Dr. James
Evaluation of Nearshore Fish Assemblages, Habitat, and the Effects of Herbivorous Rudd (Scardinius erythrophthalmus): Determining the Efficacy of Fish	New York Power Authority	State	188,881.00	SUNY ESF	Farrell, Dr. John M
NEH on the Road: Grass Roots - Grant to Support Public Programs for Traveling Exhibition	National Endowment for the Humanities	Federal	1,000.00	SUNY Fredonia	Hildebrand, Jennifer A Ph.D
RUI - Precision Measurements of the Fine Structure of High-Angular Momentum Rydberg States of Rotationally Excited Molecular Hydrogen	National Science Foundation	Federal	200,000.00	SUNY Fredonia	Snow, Dr. Erica Lynn Ph.D.
Incubator SBA Congressional Earmark	Small Business Administration	Federal	150,000.00	SUNY Fredonia	Bryan-Peterson, Ms. Margaret
Youth Film Making in Turkey Supplement	US Department of State	Federal	9,401.00	SUNY Fredonia	Schwalbe, Ted
NY 10: Monitoring Precipitation Collection Station, Chautauqua County 10-11	US Geological Survey	Federal	8,689.00	SUNY Fredonia	Mason, Ms. Sherri Ann
NY 10 Acid Rain Monitoring Gap Award	US Geological Survey	Federal	3,800.00	SUNY Fredonia	Mason, Ms. Sherri Ann
Teacher Opportunity Corp FY 10-11	NYS Education Department	State	21,020.00	SUNY Fredonia	Smith, Dr. Cynthia M
Seneca Nation/SUNY Fredonia STEP 2011-2012	NYS Education Department	State	102,614.00	SUNY Fredonia	Dobey, Dr. Daniel C
Seneca Nation/SUNY Fredonia STEP 2010-2011	NYS Education Department	State	102,614.00	SUNY Fredonia	Dobey, Dr. Daniel C
SUNY Fredonia CSTEP 2010-2011	NYS Education Department	State	62,313.00	SUNY Fredonia	Kennedy, Ms. Barbara A
Liberty Partnership Program 10/11	NYS Education Department	State	253,434.00	SUNY Fredonia	Wagner, Ms. Nancy L
Coordinated Collection Development Aid 10/11	NYS Education Department	State	8,434.00	SUNY Fredonia	Gadikian, Mr. Randolph
RUI: Collaborative Research: Glaciation and Climate Change in the Rocky Mountains During the Last Glacial Maximum and the Subsequent Deglaciation	National Science Foundation	Federal	89,466.00	SUNY Geneseo	Laabs, Dr. Benjamin J.C.
Well Being in India - Fulbright-Hays Faculty Research Abroad Program	US Department of Education	Federal	54,213.00	SUNY Geneseo	Derne, Dr. Steve D.
Molecular Stucture Laboratory: Fourier Transform Nuclear Magnetic Resonance (FTNMR) Spectrometer and Ancillary Instrumentation at SUNY Geneseo	US Department of Energy	Federal	486,000.00	SUNY Geneseo	Geiger, Dr. David K
Library Coordinated Collection Development-Library Collection Aid Yr. 2010/2011	NYS Education Department	State	8,417.00	SUNY Geneseo	Oberlander, Mr. Cyril W.
Art of the Hudson Valley & Beyond: The Collections of the Hudson Valley Visual Arts Consortium	Institute of Museum and Library Services	Federal	89,033.00	SUNY New Paltz	Pasti, Sara
Visual Art Collections Assessment and Planning for Storage of Objects for the Permanent Collections of Five Ulster County Visual Art Organizations	National Endowment for the Humanities	Federal	3,878.00	SUNY New Paltz	Pasti, Sara
Compensation for Coarticulation: Implications for the Basis and Architecture of Speech Perception	National Inst on Deafness & Other Comm Disorders	Federal	291,698.00	SUNY New Paltz	Viswanathan, Navin
MRI: Acquisition of an RT-PCR System for Research in Cell Biology, Physiology, Protein Biochemistry	National Science Foundation	Federal	41,214.00	SUNY New Paltz	Waldo, Jennifer T
TRIO - Student Support Services	US Department of Education	Federal	426,129.00	SUNY New Paltz	Bartolomei, Ms. Milagros
Preparing Reflective & Effective Practitioners (PREP) for Student and Professional Success	US Department of Education	Federal	289,988.00	SUNY New Paltz	Salend, Dr. Spencer J
NYS Science & Technology Entry Program (2010-2011)	NYS Education Department	State	81,592.00	SUNY New Paltz	Duhaney, Devon
College Science and Technology Entry Program 2010-2011	NYS Education Department	State	101,053.00	SUNY New Paltz	Nunes, Dr. Stacie N
Coordinated Collection Development Aid Application 2010-2011	NYS Education Department	State	10,380.00	SUNY New Paltz	Lee, Ms. Chui
Prenatal PCB Exposure and Cognitive Development	Agency for Toxic Substances and Disease Registry	Federal	200,000.00	SUNY Oswego	Stewart, Dr. Paul W
Recruiting, Retaining and Promoting Women in STEM Fields: Preparing for an Institutional Transformational Grant	National Science Foundation	Federal	200,000.00	SUNY Oswego	Kadima, Dr. Webe
A Local-Global Engagement Model for STEM Workforce Development	National Science Foundation	Federal	121,424.00	SUNY Oswego	Kanbur, Shashi

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Astrophysics in Taiwan: Connections Between East and West	National Science Foundation	Federal	138,545.00	SUNY Oswego	Kanbur, Shashi
Collaborative Research: EAGER-- Dual Polarimetric Doppler-On-Wheels Observations of Long Lake-Axis-Parallel Lake-effect Storms over Lakes Erie and Ontario	National Science Foundation	Federal	86,761.00	SUNY Oswego	Steiger, Dr. Scott M
Library Coordinated Collection Development Aid-Library Collection Year 10/11	NYS Education Department	State	10,735.00	SUNY Oswego	Shaffer, Barbara A
The SUNY Oswego Teacher Recruitment for Urban Schools Today (TRUST) Initiative	NYS Education Department	State	10,784.00	SUNY Oswego	Davis, R Deborah
Public Broadcasting Operational Aid 2011-2012	NYS Education Department	State	56,141.00	SUNY Oswego	Ameigh, Dr. Michael
Public Broadcasting Operational Aid	NYS Education Department	State	39,153.00	SUNY Oswego	Ameigh, Dr. Michael
CSTEP: Pathway to Success (2011-2012)	NYS Education Department	State	62,800.00	SUNY Oswego	Santos, Catherine
CSTEP 2010-2011	NYS Education Department	State	87,194.00	SUNY Oswego	Narayan, Dr. Jack Y
Characterization of Organic Matter in Interplanetary Dust Particles: Analysis of Organic Grain Coatings to Constrain the Production Mechanism of Early Solar System Organic Matters	NASA Goddard Space Flight Center	Federal	48,030.00	SUNY Plattsburgh	Flynn, Dr. George J
Elemental, Mineralogical, and Organic Analysis of Wild 2 and Intersellar Samples Collected by Stardust	NASA Goddard Space Flight Center	Federal	110,000.00	SUNY Plattsburgh	Flynn, Dr. George J
Acquisition of Borehole Geophysical Instrumentation for the Study of Fracture Flow Hydrology	National Science Foundation	Federal	56,805.00	SUNY Plattsburgh	Romanowicz, Dr. Edwin A Jr
Plattsburgh Campus Community Partnership 10-11	Substance Abuse & Mental Health Services Admin	Federal	125,000.00	SUNY Plattsburgh	Zandi, Dr. Taher
TRIO - Student Support Services	US Department of Education	Federal	530,883.00	SUNY Plattsburgh	Carpentier, Ms. Michele M
Profiles in Entrepreneurship: North American Models of Innovation, Creativity, and Entrepreneurship	US Department of Education	Federal	85,000.00	SUNY Plattsburgh	Church, Dr. Nancy J.
Social Adult Day Care Program	Veterans Administration Healthcare Network Upstate NY	Federal	1.00	SUNY Plattsburgh	Zandi, Dr. Taher
Morphologic and Hydrologic Assessment of the LIttle Chazy River	NYS Department of Environmental Conservation	State	12,500.00	SUNY Plattsburgh	Franzi, Dr. David A
Lake Champlain Bass Tournaments: Assessment of Post-Tournament Fish Dispersal and Mortality	NYS Department of Environmental Conservation	State	46,805.00	SUNY Plattsburgh	Mihuc, Dr. Timothy B
Rural Health Network Development Grant (2011)	NYS Department of Health	State	198,437.00	SUNY Plattsburgh	Zandi, Dr. Taher
Library Coordinated Collection Development-Library Collection Aid 2010/2011	NYS Education Department	State	9,001.00	SUNY Plattsburgh	Hendrix, Ms. Carla
Clinton County Senior Day Care Program 2011	NYS Office For People with Dev Disabilities	State	41,115.00	SUNY Plattsburgh	Zandi, Dr. Taher
Student Support Services 10/11	US Department of Education	Federal	288,266.00	SUNY Potsdam	Fisher, Ms. Diana G
North Country Science & Technology Program (STEP)	NYS Education Department	State	237,384.00	SUNY Potsdam	Stickney, Ms. Mary E
Library Collection Aid Yr 10/11	NYS Education Department	State	7,475.00	SUNY Potsdam	Rogers, Ms. Jenica
State Performance Plan for Special Education, and Vocational Rehabilitation Consumer Satisfaction 10/11	NYS Education Department	State	78,101.00	SUNY Potsdam	Turbett, Dr. James P
SUNY Potsdam Teacher Opportunity Corps Program 2011-12	NYS Education Department	State	19,858.00	SUNY Potsdam	Fisher, Ms. Diana G
Collegiate Science and Technology Program 2011-2012	NYS Education Department	State	199,887.00	SUNY Potsdam	Partridge, Mr. Sean
Advanced Education Nursing Traineeships 11-12	Health Resources and Services Admin	Federal	41,860.00	SUNYIT	Dean-Kelly, Dr. Louise A
SUNY IT Visiting Scholar Program 2011	US Air Force Rome Lab Griffis Air Force Base	Federal	711,792.00	SUNYIT	Tyksinski, Ms. Deborah
Library Collection Aid Yr 2010-2011	NYS Education Department	State	5,727.00	SUNYIT	Johnson, Mr. Kyle
2010-2011 C-Step Program	NYS Education Department	State	115,142.00	SUNYIT	Lyons, Mrs. Marybeth
Institute for Globally Networked Learning in the Humanities, SUNY COIL Center	National Endowment for the Humanities	Federal	249,938.00	Sys. Admin. - Provost	Rubin, Dr. M Jon
"Opening the "Black Box" of Science and Technology Policy Making in China: The Case of Biotechnology"	National Science Foundation	Federal	3,588.00	Sys. Admin. - Provost	Cao, Dr. Cong
"Opening the Black Box" of Science and Technology Policy Making in China: The Case of Biotechnology"	National Science Foundation	Federal	63,647.00	Sys. Admin. - Provost	Cao, Dr. Cong
Jobs for Youth 2010-2011	NYS Department of Labor	State	208,704.00	Sys. Admin. - Provost	Chalmers, Mr. William

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Building a Stable, Supported Workforce: A Comprehensive Workforce Project with New York's Voluntary Child Welfare Agencies	Administration for Children and Families	Federal	546,497.00	University at Albany	Claiborne, Dr. Nancy
National Child Welfare Workforce Institute	Administration for Children and Families	Federal	4,999,614.00	University at Albany	McCarthy, Dr. Mary L
New York/New Jersey Preparedness and Emergency Response Learning Center (PERLC)	Centers for Disease Control and Prevention	Federal	937,657.00	University at Albany	Waltz, Dr. Edward C
RSVP in the Capital Region 2011	Corporation for National and Community Service	Federal	146,275.00	University at Albany	McCallion, Dr. Philip
Assessing Health Literacy for Adolescents: A Pilot Study	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Federal	165,330.00	University at Albany	Manganello, Dr. Jennifer
Family and Health Consequences of Imbalanced Sex Ratios in India	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Federal	315,576.00	University at Albany	South, Dr. Scott J
Social Contexts, Sexual Networks, and Racial-Ethnic Disparities in STDs	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Federal	129,032.00	University at Albany	Strully, Dr. Kate W.
Truck Volumes Analysis for the Extended VT Truck Pilot Study	Federal Highway Administration	Federal	10,000.00	University at Albany	Lawson, Dr. Catherine T
Public Health Training Centers	Health Resources and Services Admin	Federal	649,921.00	University at Albany	Reeves, Ms. Cheryl V
Speak to Me: A Spoken Language Interface to Information Systems	Institute of Museum and Library Services	Federal	325,780.00	University at Albany	Yuan, Ms. Xiaojun
DSARMD: Detecting Social Actions and Roles in Multiparty Dialogues - Year 2 (SCIL)	Intelligence Advanced Research Projects Activity (IARPA)	Federal	626,782.00	University at Albany	Strzalkowski, Dr. Tomek
Hurricane and Severe Storm Sentinel (HS3)	NASA Goddard Space Flight Center	Federal	129,959.00	University at Albany	Thorncroft, Dr. Christo-pher D.
ARRA Funded: Infrastructure - Institute of RNA Science and Technology (IRNAST)	National Center for Research Resources	Federal	5,370,429.00	University at Albany	Wulfert, Dr. Edelgard
Exploratory Center on Minority Health & Health Disparities in Smaller Cities - Year 3	National Ctr on Minority Health&Health Disparities	Federal	1,235,908.00	University at Albany	Schell, Dr. Lawrence M
Evaluating the Efficacy of Alcohol Screening and Brief Intervention at a University	"National Institute for Alcohol Abuse & Alcoholism"	Federal	162,852.00	University at Albany	Cimini, Dr. Maria D
NRSA Fellowship Award: Rac GTPase signaling during embryonic salivary gland branching morphogenesis	National Institute of Dental & Craniofacial Res	Federal	49,198.00	University at Albany	Sequeira, Ms. Sharon
Structural Determinants of HIV-1 5'- UTR in Virions and Infected Cells	National Institute of General Medical Sciences	Federal	353,738.00	University at Albany	Fabris, Dr. Daniele
Albany 2011: The 17th Conversation	National Institute of General Medical Sciences	Federal	7,000.00	University at Albany	Sarma, Dr. Ramaswamy
In-cell NMR technology to study protein interactions	National Institute of General Medical Sciences	Federal	272,528.00	University at Albany	Shekhtman, Dr. Alexander
Progestogens' non-classical effects and mechanisms for social & mood processes	National Institute of Mental Health	Federal	697,793.00	University at Albany	Frye, Dr. Cheryl A
Coral Records of Low Frequency South Pacific Convergence Zone Variability	National Oceanic and Atmospheric Administration	Federal	109,302.00	University at Albany	Linsley, Dr. Braddock K
Decadal Variability and Predictability of the West African Monsoon and Downstream Atlantic Hurricane Activity	National Oceanic and Atmospheric Administration	Federal	163,499.00	University at Albany	Thorncroft, Dr. Christo-pher D.
INTEROP: Building Information Sharing Networks to Support Consumer Choice (I-Choose)	National Science Foundation	Federal	710,000.00	University at Albany	Pardo, Dr. Theresa A
Graduate Research Fellowship Award	National Science Foundation	Federal	40,500.00	University at Albany	Williams, Dr. Kevin J.
Grant to Support the NorthEast Under/Graduate Research Organization for Neuroscience (NEURON) 2010-2011	National Science Foundation	Federal	10,000.00	University at Albany	Frye, Dr. Cheryl A
Scattering Theory and Semi-Classical Analysis	National Science Foundation	Federal	3,000.00	University at Albany	Alexandrova, Dr. Ivana
Synaptic Homeostasis	National Science Foundation	Federal	256,815.00	University at Albany	Lnenicka, Dr. Gregory A.
The Role of Progesterone Receptor in Neural Development	National Science Foundation	Federal	165,000.00	University at Albany	Wagner, Dr. Christine K
P2C2: Multi-Scale Analysis of Stable Isotope-Climate Relationships in Tropical Proxy Records	National Science Foundation	Federal	289,574.00	University at Albany	Vuille, Dr. Mathias
Regulation of dksA In E. Coli	National Science Foundation	Federal	182,656.00	University at Albany	Osuna, Dr. Robert
CAREER: A Single Molecule Study of Alternative Folding of a Retroviral Untranslated RNA	National Science Foundation	Federal	100,000.00	University at Albany	Li, Mr. Pan
Air-Sea Fluxes of Momentum, Heat and Carbon Dioxide at High Wind Speeds in the Southern Ocean	National Science Foundation	Federal	496,754.00	University at Albany	Miller, Dr. Scott D.

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Doctoral Dissertation Improvement Grant: La Iberia: The Emergence and Development of A Secondary Site in the Linea Vieja, Costa Rica	National Science Foundation	Federal	19,513.00	University at Albany	Masson, Dr. Marilyn A
Doctoral Dissertation Improvement: Biomechanical and Behavioral Significance of the Neanderthal Femur	National Science Foundation	Federal	19,994.00	University at Albany	Strait, Dr. David S.
Doctoral Dissertation Improvement: Body Size and Mortality in Post-Medieval England	National Science Foundation	Federal	17,069.00	University at Albany	DeWitte, Dr. Sharon N
Doctoral Dissertation Improvement: Ecological Determinants of Morphological Integration in the Primate Face	National Science Foundation	Federal	19,027.00	University at Albany	Strait, Dr. David S.
Doctoral Dissertation Research: Rural Microcredit as a Livelihood Strategy: The Political Economy of a Nicaraguan Village	National Science Foundation	Federal	11,875.00	University at Albany	Little, Mr. Walter
Creating and Transferring Knowledge on Guilty Pleas	National Science Foundation	Federal	175,000.00	University at Albany	Redlich, Dr. Allison D.
Coral-Based Reconstruction of Salinity and Temperature Variability in the Southern Makassar Strait and Its Influence on Indonesian Throughflow	National Science Foundation	Federal	339,877.00	University at Albany	Linsley, Dr. Braddock K
Conference Support for Women in Cognitive Science: 2010-2011	National Science Foundation	Federal	29,825.00	University at Albany	Feldman, Dr. Laurie B B
Vertex Algebras and W-Algebras	National Security Agency	Federal	8,625.00	University at Albany	Milas, Dr. Antun
Detailed Processing Projects for the Papers of William Kennedy, Vincent Schaefer and M. Watt Espy	Natl Historical Publications & Records Commission	Federal	51,430.00	University at Albany	Keough, Mr. Brian
Understanding and Improving Family Planning Services through Language Assistance - Year 2	Office of Public Health and Science	Federal	214,229.00	University at Albany	Refki, Dr. Dina H
SBDC Portable Assistance Projects - Clinton County	Small Business Administration	Federal	53,805.00	University at Albany	King, Mr. James L
Small Business Development Center 2010-2011	Small Business Administration	Federal	3,007,272.00	University at Albany	King, Mr. James L
Small Business Energy Audit and Energy Efficiency Program	Small Business Administration	Federal	142,857.00	University at Albany	King, Mr. James L
Small Business Jobs Act Program	Small Business Administration	Federal	3,098,114.00	University at Albany	King, Mr. James L
The Veterans Assistance and Services Program	Small Business Administration	Federal	100,000.00	University at Albany	King, Mr. James L
Veterans Business Outreach Center	Small Business Administration	Federal	164,600.00	University at Albany	King, Mr. James L
Ozlem Uzuner IPA with Social Security Administration	Social Security Administration	Federal	18,920.00	University at Albany	Maxwell, Mr. Terrence A
The STEPS Program: Expanding and Enhancing a Coordinated Response to Student Suicide on a Large Public University Campus	Substance Abuse & Mental Health Services Admin	Federal	113,164.00	University at Albany	Rivero, Dr. Estela M.
Afghanistan Parliamentary Support Program	US Agency for International Development	Federal	2,490,000.00	University at Albany	Guinn, Dr. David E
Vitamin D Pathway Status and the Identification of Target Genes in the Mouse Mammary gland	US Army Medical Research Acquisition Activity	Federal	117,294.00	University at Albany	Matthews, Mr. Donald
The Role of Coenzyme A in HER2/neu Positive Breast Cancer-Pre Doctoral Fellowship	US Army Medical Research Acquisition Activity	Federal	124,929.00	University at Albany	Baumann, Mr. Jan M
Modeling Impact of BRCA1 and BRCA2 Mutations in Mammary Epithelial Cells	US Army Medical Research Acquisition Activity	Federal	455,211.00	University at Albany	Keith, Dr. Meggan E
Gulf War Illness - Evaluation of an Innovative Detoxification Program	US Army Medical Research Acquisition Activity	Federal	309,817.00	University at Albany	Carpenter, Dr. David O
FY 2011 Summer Undergraduate Research Fellowship (SURF) - PML	US Department of Commerce	Federal	7,850.00	University at Albany	Knuth, Dr. Kevin H.
Student Support Services 2010-2015	US Department of Education	Federal	242,760.00	University at Albany	Locust, Mr. Wayne
University at Albany - Special Education Program Improvement Project	US Department of Education	Federal	299,548.00	University at Albany	May, Dr. Deborah C
Efficacy of the Interactive Strategies Approach - Extended as a Small Group Intervention for Intermediate Grade Struggling Readers	US Department of Education	Federal	760,543.00	University at Albany	Gelzheiser, Dr. Lynn M
Enhancing Teacher Knowledge and Skills Related to Early Literacy Instruction	US Department of Education	Federal	789,008.00	University at Albany	Scanlon, Dr. Donna M
Fulbright-Hays Faculty Research Abroad Program	US Department of Education	Federal	65,083.00	University at Albany	Blum, Dr. Mark L
Innovative Information Security Education: Fostering Knowledge and Cultural Exchange Between Russia and the U.S.	US Department of Education	Federal	114,196.00	University at Albany	Goel, Dr. Sanjay
Evaluating the Contribution of Climate Forcing and Forest Dynamics to Accelerating Carbon Sequestration by Forest Ecosystems in the Northeastern U. S.	US Department of Energy	Federal	145,000.00	University at Albany	Fitzjarrald, Dr. David R
Cybersegregation: Is Neil a More Desirable Tenant than Tyrone or Jorge?	US Department of Housing and Urban Development	Federal	28,000.00	University at Albany	Friedman, Dr. Samantha R.

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Residence Restriction Legislation and Sex Offender Residential Locations in New York	US Department of Justice	Federal	25,000.00	University at Albany	Lizotte, Dr. Alan J
Strategic Trade Control Legislation and Implementing Regulations Assistance- Lebanon	US Department of State	Federal	84,899.00	University at Albany	Early, Dr. Bryan
Official Inquiries into Police Corruption	US Institute of Peace	Federal	42,302.00	University at Albany	Bayley, Dr. David H
The Future of Patent Infrastructure	US Patent and Trademark Office	Federal	10,000.00	University at Albany	Pardo, Dr. Theresa A
SUNY Albany Working Capital: Social Entrepreneur Pilot (SEP): A Case for Character-Based Lending	Empire State Development Corp	State	96,700.00	University at Albany	Brigham, Mr. William
Regional Training Center HIV Education and Training Programs 2010-2011	NYS Aids Institute	State	50,000.00	University at Albany	Monaco, Mr. Eugene J
Regional Trauma Quality Improvement Demonstration Project	NYS Department of Health	State	283,937.00	University at Albany	Hannan, Dr. Edward L
Tobacco Interventions Project Web Site and Course Maintenance (2011)	NYS Department of Health	State	100,000.00	University at Albany	Monaco, Mr. Eugene J
Adolescent Pregnancy and Prevention Services, YR3, 2010-2011	NYS Department of Health	State	137,250.00	University at Albany	Greene, Ms. Rose M
Dental Public Health Residency 2010-11	NYS Department of Health	State	120,000.00	University at Albany	Waltz, Dr. Edward C
Field Epidemiology Project 2011	NYS Department of Health	State	126,691.00	University at Albany	Reeves, Ms. Cheryl V
Health Workforce Retraining Initiative BSN-MSN Training Project 2011	NYS Department of Health	State	183,140.00	University at Albany	Monaco, Mr. Eugene J
Health Workforce Retraining Initiative RN Training Project 2011	NYS Department of Health	State	300,401.00	University at Albany	Monaco, Mr. Eugene J
New York State Regional Adult Education (RAEN) System 2010	NYS Education Department	State	197,442.00	University at Albany	Lipinski, Ms. Tanya
New York State Regional Adult Education (RAEN) System	NYS Education Department	State	52,659.00	University at Albany	Lipinski, Ms. Tanya
Support for Albany Regional Center for Autism	NYS Education Department	State	490,000.00	University at Albany	Christodulu, Dr. Kristin V.
Science Technology Entry Program (STEP), 2011-2012	NYS Education Department	State	87,573.00	University at Albany	Hedberg, Dr. William B.
Science Technology Entry Program (STEP) 2010-2011, C400482	NYS Education Department	State	286,558.00	University at Albany	Hedberg, Dr. William B.
Collegiate Science Technology Entry Program (CSTEP), 2011-2012	NYS Education Department	State	83,872.00	University at Albany	Hedberg, Dr. William B.
Arrangement and Description Project on NYS Conference of Local Mental Hygiene Directors Records	NYS Education Department	State	11,782.00	University at Albany	Keough, Mr. Brian
Albany Regional Center for Autism Spectrum Disorders for Services & Expenses of the CARD at University at Albany	NYS Education Department	State	245,000.00	University at Albany	Christodulu, Dr. Kristin V.
Liberty Partnerships Rising Stars Program, 2010-2011, 0655-11-7003 - C401298	NYS Education Department	State	253,434.00	University at Albany	Hopson, Dr. Laura M
Collegiate Science, Technology Entry Program (CSTEP) 2010-2011, 0537-11-1079	NYS Education Department	State	276,016.00	University at Albany	Hedberg, Dr. William B.
Coordinated Collection Development Aid 2010-11	NYS Education Department	State	19,841.00	University at Albany	Casserly, Dr. Mary F
Improved Understanding of Atmospheric Processing and AQ Management in N.Y.: Research Measurements of O3 + PM2.5	NYS Energy Research and Development Authority	State	157,926.00	University at Albany	Schwab, Dr. James J
Parent Education Program for Families of Children Newly Diagnosed with Autism - Year 2	NYS Office For People with Dev Disabilities	State	27,156.00	University at Albany	Christodulu, Dr. Kristin V.
Parent Education Program for Families of Children Newly Diagnosed with Autism	NYS Office For People with Dev Disabilities	State	15,778.00	University at Albany	Christodulu, Dr. Kristin V.
OPWDD PROMOTE Level I Training	NYS Office For People with Dev Disabilities	State	48,535.00	University at Albany	Monaco, Mr. Eugene J
Research and Training Support, 2010-2011	NYS Office for the Aging	State	35,000.00	University at Albany	McCallion, Dr. Philip
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #5 (Contract #C026290)	NYS Office of Children and Family Services	State	146,870.00	University at Albany	Monaco, Mr. Eugene J
Preventive Contracts Consistent with County Outcomes	NYS Office of Children and Family Services	State	480,000.00	University at Albany	Monaco, Mr. Eugene J
NYS Dean's Consortium of Schools of Social Work	NYS Office of Mental Health	State	8,200.00	University at Albany	Hardiman, Dr. Eric
Head Start Graduate Student Research Grant: Promoting Successful Transitions to Kindergarten	Administration for Children and Families	Federal	30,430.00	University at Buffalo	Fabiano, Dr. Gregory A
Immersive Simulation for Design and Evaluation of an Emergency Department IT	Agency for Healthcare Research and Quality	Federal	350,000.00	University at Buffalo	Bisantz, Dr. Ann
Stressors and heart rate variability in police officers	Centers for Disease Control and Prevention	Federal	25,506.00	University at Buffalo	Violanti, Dr. John M

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Development and evaluation of an ergonomics audit for mitigating ergonmics deficiencies in mining (Phase I)	Centers for Disease Control and Prevention	Federal	25,000.00	University at Buffalo	Paquet, Dr. Victor L
IPA for Nancy Nielsen	Centers for Medicare and Medicaid Services	Federal	267,287.00	University at Buffalo	Cain, Dr. Michael E
Semantic Video Summarization with Ontology-Driven Probabilistic Inference on Massive Multimedia Collections	Central Intelligence Agency	Federal	117,733.00	University at Buffalo	Corso, Dr. Jason
Brownfields Job Training Program	Environmental Protection Agency	Federal	200,000.00	University at Buffalo	Zicari, Mr. Louis P Jr
Experimental analysis of price changes and food purchases in obese and lean mothers	Eunice Kennedy Shriver National Institute of Child Health & Human Dev	Federal	451,579.00	University at Buffalo	Epstein, Dr. Leonard H
An evaluation of Likely Environmental Benefits of Lowest Fuel Consumption Route Guidance in the Buffalo-Niagara Metropolitan Area	Federal Highway Administration	Federal	40,000.00	University at Buffalo	Sadek, Dr. Adel
Comprehensive Object Detection Library for Large-Scale Image Analytics	Fleet Industrial and Supply Center (FISC) San Diego	Federal	188,456.00	University at Buffalo	Corso, Dr. Jason
Maximizing the Capacity to Educate Future PhD Nursing Faculty	Health Resources and Services Admin	Federal	589,379.00	University at Buffalo	Dickerson, Dr. Suzanne
Model State-Supported Area Health Education Centers	Health Resources and Services Admin	Federal	891,135.00	University at Buffalo	Sienkiewicz, Ms. Mary J
UB Primary Care Research Fellowship Training Program	Health Resources and Services Admin	Federal	18,360.00	University at Buffalo	Tumiel-Berhalter, Dr. Laurene M
ARRA - Equipment to Enhance Training for Health Professionals	Health Resources and Services Admin	Federal	297,491.00	University at Buffalo	Obst, Dr. Thomas E
ARRA: Equipment to Enhance Training for Health Professionals	Health Resources and Services Admin	Federal	233,800.00	University at Buffalo	Sienkiewicz, Ms. Mary J
Advanced Education Nursing Traineeships 2010	Health Resources and Services Admin	Federal	47,354.00	University at Buffalo	Brown, Dr. Jean D
Investigating Controls of Ice Sheet Changes: a Proposal for Participation in NASA's IceBridge Science Team	NASA Goddard Space Flight Center	Federal	118,772.00	University at Buffalo	Csatho, Dr. Beata M
Investigating Subglacial Controls on Greenland Ice Sheet Dynamics (Fellowship for Gregory Babonis)	NASA Goddard Space Flight Center	Federal	30,000.00	University at Buffalo	Csatho, Dr. Beata M
Validation of Polar Surface Temperatures Derived From Satellite Measurements	NASA Goddard Space Flight Center	Federal	6,789.00	University at Buffalo	Csatho, Dr. Beata M
ARRA: SES, Race, and Patterns of Health Care Navigation of Parents of Pediatric Cancer	National Cancer Institute	Federal	133,938.00	University at Buffalo	Gage, Dr. Elizabeth A
Louisa May Alcott: The Woman Behind Little Women - Library Outreach Programs	National Endowment for the Humanities	Federal	2,500.00	University at Buffalo	Taddeo, Ms. Laura L
Synaptic Mechanisms in Retina	National Eye Institute	Federal	402,517.00	University at Buffalo	Slaughter, Dr. Malcolm M
Interaction of Isl1 and Pou4f2 in retinal development	National Eye Institute	Federal	389,076.00	University at Buffalo	Mu, Dr. Xiuqian
A Ribozyme Rescue Strategy for Autosomal Dominant Retintis Pigmentosa	National Eye Institute	Federal	315,000.00	University at Buffalo	Sullivan, Dr. John M
The Women's Health Initiative Regional Field Center Program	National Heart Lung and Blood Institute	Federal	1,623,861.00	University at Buffalo	Wactawski-Wende, Dr. Jean W
Selectin mediated cell adhesion under hydrodynamic shear	National Heart Lung and Blood Institute	Federal	307,662.00	University at Buffalo	Neelamegham, Dr. Sriram
Chronic Adaptations to Myocardial Ischemia	National Heart Lung and Blood Institute	Federal	442,419.00	University at Buffalo	Canty, Dr. John M
Bioprocess for cardiac cell generation from human induced pluripotent stem cells	National Heart Lung and Blood Institute	Federal	379,711.00	University at Buffalo	Tzanakakis, Dr. Emmanouhl S
Second International Conference on Biomedical Ontology	National Human Genome Research Institute	Federal	20,000.00	University at Buffalo	Smith, Dr. Barry
Limited Competition for Continuation of RIVUR	National Inst of Diabetes Digestive Kidney Disease	Federal	1,226,260.00	University at Buffalo	Greenfield, Dr. Saul P
Use of cellphone-based time-activity data for air pollutant exposure estimation	National Inst of Environmental Health Sciences	Federal	247,242.00	University at Buffalo	Rudra, Dr. Carole B
Biological Response to Air Quality Change in Beijing pre-, mid- and post-Olympics	National Inst of Environmental Health Sciences	Federal	491,323.00	University at Buffalo	Mu, Dr. Lina
Probing allosteric surfaces of NMDA receptors	National Inst of Neurological Disorders & Stroke	Federal	334,163.00	University at Buffalo	Popescu, Dr. Gabriela
Multiple Activity Patterns of Acetylcholine Receptors	National Inst of Neurological Disorders & Stroke	Federal	604,256.00	University at Buffalo	Auerbach, Dr. Anthony L
Fellowship for: William Francis Borschel: Rearrangments at the NMDA Receptor Ligan Binding Domain Interface	National Inst of Neurological Disorders & Stroke	Federal	35,400.00	University at Buffalo	Popescu, Dr. Gabriela
Fellowship for Emily Clementi: The effect of a protein-lipid complex from human milk against pneumococcal otitis	National Inst on Deafness & Other Comm Disorders	Federal	27,631.00	University at Buffalo	Hakansson, Dr. Anders
Effect of selective inner hair cell loss on functional hearing	National Inst on Deafness & Other Comm Disorders	Federal	158,500.00	University at Buffalo	Lobarinas, Mr. Edward

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Auditory Cortex Plasticity and Tinnitus	National Inst on Deafness & Other Comm Disorders	Federal	149,725.00	University at Buffalo	Allman, Dr. Brian L
Effects of upper body static deep flexion on spinal stability	National Institute Occupational Safety & Health	Federal	72,983.00	University at Buffalo	Shin, Dr. Gwanseob
Long-term Psychosocial Impact on Police Officers: Post-Hurricane Katrina	National Institute Occupational Safety & Health	Federal	153,581.00	University at Buffalo	Violanti, Dr. John M
Stress and Subclinical Cardio-Metabolic Disease in Police: A Longitudinal Study	National Institute Occupational Safety & Health	Federal	659,906.00	University at Buffalo	Violanti, Dr. John M
Men's Alcohol Use and Perpetration of Sexual Aggression	National Institute for Alcohol Abuse & Alcoholism	Federal	403,216.00	University at Buffalo	Testa, Dr. Maria L
Effects of Ethanol Exposure During Involution on Post-Partum Breast Cancer	National Institute for Alcohol Abuse & Alcoholism	Federal	196,925.00	University at Buffalo	Masso-Welch, Dr. Patricia A
Addiction Propensity After Prenatal Ethanol Exposure	National Institute for Alcohol Abuse & Alcoholism	Federal	341,883.00	University at Buffalo	Shen, Dr. Roh Yu
Oral Immune Modulatory Adjuvants for Treatment of Colorectal Carcinoma	National Institute of Allergy & Infectious Disease	Federal	253,425.00	University at Buffalo	Egilmez, Dr. Nejat
Imaging antigen and adjuvant uptake for enhancing response to mucosal vaccines	National Institute of Allergy & Infectious Disease	Federal	250,864.00	University at Buffalo	Russell, Dr. Michael
Fellowship for Sara Zimmer: Fundamental Aspects of Kinetoplastid Mitochondrial RNA Stability	National Institute of Allergy & Infectious Disease	Federal	51,326.00	University at Buffalo	Read, Dr. Laurie K
ARRA: Understanding Unique Aspects of Motility and Chemotaxis in Borrelia Burgdorferi	National Institute of Allergy & Infectious Disease	Federal	161,432.00	University at Buffalo	Li, Dr. Chunhao
Purported role of human milk in early childhood caries development	National Institute of Dental & Craniofacial Res	Federal	275,759.00	University at Buffalo	Hakansson, Dr. Anders
Microbial Recognition of Sialic Acid Diversity in the Salivary Proteome	National Institute of Dental & Craniofacial Res	Federal	766,921.00	University at Buffalo	Ruhl, Dr. Stefan H
Analysis for Incomplete Data in Oral Health/Ventilator-Associated Pneumonia Study	National Institute of Dental & Craniofacial Res	Federal	158,500.00	University at Buffalo	Vexler, Dr. Albert
An ontology for pain and related disability, mental health and quality of life	National Institute of Dental & Craniofacial Res	Federal	404,119.00	University at Buffalo	Ceusters, Dr. Werner
Pharmacogenetics of Human Carbonyl Reductases	National Institute of General Medical Sciences	Federal	630,830.00	University at Buffalo	Blanco, Dr. Javier
ARRA: Characterization of Neurospora cell fusion events	National Institute of General Medical Sciences	Federal	80,835.00	University at Buffalo	Free, Dr. Stephen J
Corticosteroid Pharmacokinetics and Pharmacodynamics	National Institute of General Medical Sciences	Federal	1,400,540.00	University at Buffalo	Jusko, Dr. William J
Mathematical Models in Pharmacodynamics	National Institute of General Medical Sciences	Federal	398,329.00	University at Buffalo	Jusko, Dr. William J
Synaptic Changes by Stress in Prefrontal Cortex	National Institute of Mental Health	Federal	317,000.00	University at Buffalo	Yan, Dr. Zhen
Olfactory receptor copy number association with age at onset of alzheimer disease	National Institute on Aging	Federal	170,713.00	University at Buffalo	Szigeti, Dr. Kinga
Prescription Psychotherapeutic Drug Use Among Older Adults	National Institute on Drug Abuse	Federal	39,625.00	University at Buffalo	Chang, Dr. Yu-Ping
Medical Strategies for the Management of Pain in the Addicted Patient	National Institute on Drug Abuse	Federal	79,250.00	University at Buffalo	Blondell, Dr. Richard
Innovative Nanotherapy for Drug addiction	National Institute on Drug Abuse	Federal	192,181.00	University at Buffalo	Mahajan, Dr. Supriya D
Gender Differences in Responses to Caffeine in Children and Adolescents	National Institute on Drug Abuse	Federal	324,426.00	University at Buffalo	Temple, Dr. Jennifer L.
III:Small: Overlapping Clustering Analysis of Biological Networks	National Science Foundation	Federal	500,000.00	University at Buffalo	Zhang, Dr. Aidong
IUCRC Center for e-Design: IT Enabled Design and Realization of Products and Systems	National Science Foundation	Federal	71,000.00	University at Buffalo	Lewis, Dr. Kemper E
Materials World Network: Spin Effects in Quasi-1D Systems of Narrow Gap Semiconductors	National Science Foundation	Federal	230,000.00	University at Buffalo	McCombe, Dr. Bruce D
Metacognition in Comparative Perspective	National Science Foundation	Federal	224,640.00	University at Buffalo	Smith, Dr. J David
Metallization of Hydrogen-Rich Materials: Predicting Novel Superconductors	National Science Foundation	Federal	279,999.00	University at Buffalo	Zurek, Dr. Eva
NSF IPA Agreement for Dr. Richelle Allen-King	National Science Foundation	Federal	200,618.00	University at Buffalo	Allen, Dr. Richelle A
NSF Tokyo Regional Office Fiftieth Anniversary Symposium	National Science Foundation	Federal	55,638.00	University at Buffalo	Loretz, Dr. Christopher
Environment as agent and actor in Iron Age, Medieval, and Early Modern Ulster	National Science Foundation	Federal	286,682.00	University at Buffalo	Thurston, Dr. Tina
Fellowship for Nathaniel Barlow: Asymptotically Guided Calculations of Thermophysical Properties	National Science Foundation	Federal	5,000.00	University at Buffalo	Kofke, Dr. David
Fourth International Workshop on Iron and Copper Homeostasis, Pucon, Chile, November 28 - December 3, 2011	National Science Foundation	Federal	18,170.00	University at Buffalo	Garrick, Dr. Michael D
Fragile High Self-Esteem, Self-Doubt and Destructive Behavior	National Science Foundation	Federal	224,163.00	University at Buffalo	Seery, Dr. Mark D
From Climate Change to Human Response -Joint NSF-NGO Workshop	National Science Foundation	Federal	44,785.00	University at Buffalo	Zubrow, Dr. Ezra B

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
GOALI: Flame-based Synthesis of Metal Nanoparticles at Millisecond Residence Times	National Science Foundation	Federal	278,811.00	University at Buffalo	Swihart, Dr. Mark T
Geometry and algorithms in topology and group theory	National Science Foundation	Federal	131,067.00	University at Buffalo	Manning, Dr. Jason
Heterojunction Solar Cells Using Chemically co-doped Titania Nanotube Arrays for Simultaneous Light Absorption and Carrier Transport	National Science Foundation	Federal	190,000.00	University at Buffalo	Zeng, Dr. Hao
High Fidelity Modeling and Simulation of Turbulent Flame Spread Over Charring Materials	National Science Foundation	Federal	324,497.00	University at Buffalo	DesJardin, Dr. Paul
Semiconductor Spin-Lasers	National Science Foundation	Federal	295,501.00	University at Buffalo	Zutic, Dr. Igor
Spatial language and cognition beyond Mesoamerica	National Science Foundation	Federal	255,901.00	University at Buffalo	Bohnemeyer, Dr. Juergen
Structural, Functional and Genetic Analysis of Archaea RNA Ligase	National Science Foundation	Federal	209,999.00	University at Buffalo	Ho, Dr. Kiong
Structured Ionic Liquids for Functional Products	National Science Foundation	Federal	289,772.00	University at Buffalo	Alexandridis, Dr. Paschalis
Study of Diffusion of Magnetic Ions in Semiconductor Heterostructures and Its Effect on Spin Injection	National Science Foundation	Federal	129,772.00	University at Buffalo	Luo, Dr. Hong
Systematics, Coevolution, and Microbial Community Structure of Bat Fleas (Siphonaptera: Ischnopsyllidae)	National Science Foundation	Federal	304,936.00	University at Buffalo	Dittmar De La Cruz, Dr. Katharina
The Role of Protein Arginine Methylation in the Co-transcriptional Recruitment of pre-mRNA Splicing Factors	National Science Foundation	Federal	180,000.00	University at Buffalo	Yu, Dr. Michael C
Travel Support for SenSys 2010	National Science Foundation	Federal	15,000.00	University at Buffalo	Challen, Dr. Geoffrey
Using Rule Space and Poset-based Adaptive Testing Methodologies to Identify Ability Patterns in Early Mathematics and Create a Comprehensive Mathematics Ability Test	National Science Foundation	Federal	1,884,819.00	University at Buffalo	Clements, Dr. Douglas H
Weak Coupling effects in helium 4	National Science Foundation	Federal	49,753.00	University at Buffalo	Gasparini, Dr. Francis M
Workshop on research prioritization and design concepts for a user facility for large-scale experiments on volcanic flows and other geohazards	National Science Foundation	Federal	49,974.00	University at Buffalo	Valentine, Dr. Gregory A
Operator Algebra, Dynamics and Geometry	National Science Foundation	Federal	119,764.00	University at Buffalo	Li, Dr. Hanfeng
Optimal Geographic Scales for Local Spatial Statistics	National Science Foundation	Federal	182,104.00	University at Buffalo	Rogerson, Dr. Peter A
Population genetics of a climate-indicating predator across the forest-tundra ecotone	National Science Foundation	Federal	397,063.00	University at Buffalo	Taylor, Dr. Derek J
RAPID for Gulf of Mexico Oil Spill: Interactions of Crude Oil with Dispersants and Naturally Occurring Particles	National Science Foundation	Federal	68,978.00	University at Buffalo	Tsianou, Dr. Marina
RAPID: An Investigation of Information Diffusion Speed and Collective Intelligence During the Citizen Protests of Egypt and Middle East 2011	National Science Foundation	Federal	24,836.00	University at Buffalo	Rao, Dr. Hejamadi R
Regulation of the Bacillus Subtilis TRP Genes by an RNA Binding Protein	National Science Foundation	Federal	397,531.00	University at Buffalo	Gollnick, Dr. Paul D
Ruthenium Vinyl Carbene Reactivitty	National Science Foundation	Federal	468,000.00	University at Buffalo	Diver, Dr. Steven T
CAREER: Yeast-based disulfide trapping for engineering selective inhibitors of a protein kinase	National Science Foundation	Federal	400,000.00	University at Buffalo	Park, Dr. Sheldon J
CAREER: Data-aware Distributed Computing for Enabling Large-scale Collaborative Science	National Science Foundation	Federal	154,403.00	University at Buffalo	Kosar, Dr. Tevfik
CDI Type II: New Cyber-enabled strategies to realize the promise of quantum chemistry as a far-reaching tool for engineering applications	National Science Foundation	Federal	1,426,482.00	University at Buffalo	Kofke, Dr. David
CI-TEAM Demonstration Project: A Cloud-enabled Evolutionary Genetics Learning Tool for Engaging the Net-Savvy Generation (POP!World)	National Science Foundation	Federal	249,909.00	University at Buffalo	Ramamurthy, Dr. Bina
CPS: Medium: Addressing Design and Human Factors Challenges in Cyber Transportation Systems	National Science Foundation	Federal	707,508.00	University at Buffalo	Qiao, Dr. Chunming
CRIF-MU: Acquisition of an X-Ray Photoelectron Spectrometer (XPS) for small area and depth profiling analysis	National Science Foundation	Federal	450,000.00	University at Buffalo	Colon, Dr. Luis A
Collaborative Research: Links Between Magma Source Characteristics, Shallow Plumbing, and Eruptive Styles in Mafic Intraplate Volcanic Fields (Lunar Crater Volcanic Field, Nevada	National Science Foundation	Federal	179,960.00	University at Buffalo	Valentine, Dr. Gregory A
Collaborative Research: Upstate New York Number Theory Conference	National Science Foundation	Federal	100.00	University at Buffalo	Zhu, Dr. Hui June
A Proposal to Suuport Student Travel for the ACM CoNEXT 2010 Conference	National Science Foundation	Federal	10,000.00	University at Buffalo	Melodia, Dr. Tommaso

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Adsorbent media for liquid phase separations	National Science Foundation	Federal	462,000.00	University at Buffalo	Colon, Dr. Luis A
Air quality and climate conference, March 14-19, 2011 Kona, Big Island, Hawaii	National Science Foundation	Federal	75,000.00	University at Buffalo	Shaw, Dr. David T.
Buffalo-Case-Cornell-Syracuse Cosmology Workshop at SUNY, Buffalo Fall of 2010	National Science Foundation	Federal	7,350.00	University at Buffalo	Kinney, Dr. William H
Doctoral Dissertation Improvement Grant: Analysis of Late-Middle Neolithic Husbandry Practices and Social Interactions in Southeast Poland Using Ancient DNA and XRF Strontium	National Science Foundation	Federal	20,000.00	University at Buffalo	Milisauskas, Dr. Sarunas
Doctoral Dissertation Improvement Grant: More than Forts: A Study of High Elevation Enclosures within the Pambamarca Fortress Complex, Ecuador	National Science Foundation	Federal	20,000.00	University at Buffalo	Thurston, Dr. Tina
EAGER: A Novel Class of Magnetic Materials with Anisotropic Curie Temperature	National Science Foundation	Federal	180,772.00	University at Buffalo	Chopra, Dr. Harsh D
EAGER: Stork Data Scheduler for Azure	National Science Foundation	Federal	97,122.00	University at Buffalo	Kosar, Dr. Tevfik
EAGER: Automatic Identification of Writer Accent and Script Influences in Handwriting	National Science Foundation	Federal	149,986.00	University at Buffalo	Govindaraju, Dr. Venugopal
EAGER: Create a Socially-aware Single System Image (S3I) in GENI	National Science Foundation	Federal	129,969.00	University at Buffalo	Qiao, Dr. Chunming
EAGER: Networking on Underwater Acoustic MIMO Links	National Science Foundation	Federal	280,642.00	University at Buffalo	Melodia, Dr. Tommaso
Early Childhood Education in the Context of Mathematics, Science, and Literacy	National Science Foundation	Federal	1,463,142.00	University at Buffalo	Sarama, Dr. Julie A
Collaborative Research: Education Policy Studies - Empirical Research: Urban High School Opportunity Structures, Figured Worlds of STEM, and Choice of Major and College Destination	National Science Foundation	Federal	488,418.00	University at Buffalo	Weis, Dr. Lois
Development of Molecular Simulation Methods to Compute Interfacial Properties of Electrolytes	National Science Foundation	Federal	107,381.00	University at Buffalo	Errington, Dr. Jeffrey R
Crosslinked Membranes with Non-Collapsible, Uniform Pores of Sub-nanometer Size	National Science Foundation	Federal	299,999.00	University at Buffalo	Gong, Dr. Bing
DOD Information Assurance Scholarship Program	National Security Agency	Federal	77,553.00	University at Buffalo	Upadhyaya, Dr. Shambhu J
P-adic Analysis, Exponential Sums, Galois Representations	National Security Agency	Federal	24,941.00	University at Buffalo	Zhu, Dr. Hui June
Preparation and Two-Photon Characterization of Ultrasmall CdTe Quantum Dots	US Air Force Office of Scientific Research	Federal	30,000.00	University at Buffalo	Prasad, Dr. Paras N
New Materials Directions for the Realization of Ultra-High Performance 3rd Order Nonlinear Optical Organics	US Air Force Office of Scientific Research	Federal	442,364.00	University at Buffalo	Prasad, Dr. Paras N
Adaptive IR Sensing Based on Advanced Nanostructures with Tunable Kinetics	US Air Force Office of Scientific Research	Federal	299,999.00	University at Buffalo	Mitin, Dr. Vladimir
(YIP 2011) Information Collection and Fusion for Space Situational Aware-ness	US Air Force Office of Scientific Research	Federal	116,080.00	University at Buffalo	Singla, Dr. Puneet
(Nanosat 2011) Light-Curve Analyzing Nanosat Calibration with Exospheric Testing	US Air Force Office of Scientific Research	Federal	23,775.00	University at Buffalo	Crassidis, Dr. John L
Cognitive Jointly Optimal Code-Division Channelization and Routing Over Cooperative Links	US Air Force Research Laboratory	Federal	170,000.00	University at Buffalo	Pados, Dr. Dimitrios A
Studies on Optimized Assured Cooperative Communications	US Air Force Research Laboratory	Federal	55,000.00	University at Buffalo	Su, Dr. Weifeng
Synthesis of Road Networks by Data Conflation	US Air Force Research Laboratory	Federal	35,000.00	University at Buffalo	Singh, Dr. Tarunraj
Development and Validation of Multi-Hazard Bridge Pier Concepts	US Army Corps Engineers	Federal	71,733.00	University at Buffalo	Bruneau, Dr. Michel
The Use of Inhibitors of Mechanosensitive Ion Channels as Local Inhibitors of Peripheral Pain	US Army Medical Research Acquisition Activity	Federal	1,305,372.00	University at Buffalo	Sachs, Dr. Frederick
Gene-Environmental Interactions in Progression of Multiple Sclerosis	US Army Medical Research Acquisition Activity	Federal	167,221.00	University at Buffalo	Zivadinov, Dr. Robert
Gene-Environmental Interactions in Progression of Multiple Sclerosis	US Army Medical Research Acquisition Activity	Federal	47,328.00	University at Buffalo	Weinstock-Guttman, Dr. Bianca
Gene-Environmental Interactions in Progression of Multiple Sclerosis	US Army Medical Research Acquisition Activity	Federal	297,957.00	University at Buffalo	Ramanathan, Dr. Murali
Gene-Environmental Interactions in Progression of Multiple Sclerosis	US Army Medical Research Acquisition Activity	Federal	121,492.00	University at Buffalo	Qu, Dr. Jun

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Electrical Stimulation of Titanium for the Prevention and/or Eradication of A. baumannii and S. aureus Biofilm Infections on Osseointegrated Prostheses	US Army Medical Research Acquisition Activity	Federal	621,952.00	University at Buffalo	EHRENSBERGER, Dr. MARK T
A Novel Strategy to Selectively Silence Tumor-Associated Macrophages in Breast Cancer	US Army Medical Research Acquisition Activity	Federal	118,875.00	University at Buffalo	Kilinc, Dr. Mehmet O
GBS: Guidance By Semantics - Using High-Level Visual Inference to Improve Vision-based Mobile Robot Localization	US Army Research Office	Federal	50,000.00	University at Buffalo	Corso, Dr. Jason
Student Support Services	US Department of Education	Federal	272,728.00	University at Buffalo	Durand, Dr. Henry J
Center for International Rehabilitation Research Information & Exchange (CIRRIE-3)	US Department of Education	Federal	399,994.00	University at Buffalo	Stone, Dr. John H
Longitudinal Study of a Successful Scaling	US Department of Education	Federal	615,828.00	University at Buffalo	Clements, Dr. Douglas H
Preparing Special Education Doctoral Leadership Personnel for the Digital Age	US Department of Education	Federal	300,000.00	University at Buffalo	Raimondi, Dr. Sharon L.
RERC on Universal Design in the Built Environment	US Department of Education	Federal	950,000.00	University at Buffalo	Steinfeld, Dr. Edward H
Tailoring Magnetism and Spin in Quantum Dots	US Department of Energy	Federal	140,000.00	University at Buffalo	Zutic, Dr. Igor
Statistical Examination of handwriting Characteristics using Automated Tools	US Department of Justice	Federal	194,422.00	University at Buffalo	Srihari, Dr. Sargur N
The Neuroscience of Tinnitus	US Navy Office of Naval Research	Federal	29,987.00	University at Buffalo	Salvi, Dr. Richard J
The Framework for Next-Generation Power Electronics Using Nanomaterials	US Navy Office of Naval Research	Federal	108,366.00	University at Buffalo	Basaran, Dr. Cemalettin
The 6th International School and Conference on Spintronics and Quantum Information Technology (SPINTECH6)	US Navy Office of Naval Research	Federal	15,000.00	University at Buffalo	Zutic, Dr. Igor
Image Scoring and Evaluation for the APBS Program	US Postal Service	Federal	96,373.00	University at Buffalo	Setlur, Dr. Srirangaraj
McGillicuddy IPA "Measured Steps Versusu Delayed Treatment for High Risk Veterans in Primary Care	Veterans Admin Western New York Healthcare Systems	Federal	4,384.00	University at Buffalo	Mcgillicuddy, Dr. Neil
Lucke IPA "Measured Steps Versus Delayed Treatment for High Risk Veterans in Primary Care"	Veterans Admin Western New York Healthcare Systems	Federal	1,367.00	University at Buffalo	Lucke, Dr. Joseph
IPA for Shaun Bauman	Veterans Admin Western New York Healthcare Systems	Federal	63,924.00	University at Buffalo	Sethi, Dr. Sanjay
IPA for Ruth Olson	Veterans Admin Western New York Healthcare Systems	Federal	44,171.00	University at Buffalo	Russo, Dr. Thomas A
IPA for Lori Grove	Veterans Admin Western New York Healthcare Systems	Federal	51,342.00	University at Buffalo	Sethi, Dr. Sanjay
IPA for Janet Beanan	Veterans Admin Western New York Healthcare Systems	Federal	55,203.00	University at Buffalo	Russo, Dr. Thomas A
IPA for Catherine Wrona	Veterans Admin Western New York Healthcare Systems	Federal	54,921.00	University at Buffalo	Sethi, Dr. Sanjay
IPA Agreement for Regina Clare	Veterans Admin Western New York Healthcare Systems	Federal	6,954.00	University at Buffalo	Berenson, Dr. Charles S S
IPA Aggreement for Molly Sprada	Veterans Admin Western New York Healthcare Systems	Federal	98,276.00	University at Buffalo	Gonzalez-Fernandez, Dr. Federico
Modulation of Inflammatory Response by Diabetes Management in Breast Cancer Patients: A Potential Modifier of Breast Cancer Prognosis?	NYS Department of Health	State	176,155.00	University at Buffalo	Ceacareanu, Dr. Alice C.
New York State Area Health Education (AHEC) Center System	NYS Department of Health	State	278,676.00	University at Buffalo	Sienkiewicz, Ms. Mary J
New York State Area Health Education Center System	NYS Department of Health	State	2,455,900.00	University at Buffalo	Sienkiewicz, Ms. Mary J
Reversible differentiation of cancer stem cells	NYS Department of Health	State	123,248.00	University at Buffalo	Seigel, Dr. Gail M
Role of Nfix in neural stem cells and glioblastoma	NYS Department of Health	State	351,235.00	University at Buffalo	Gronostajski, Dr. Richard
WNY Stem Cell Culture and Analysis Center	NYS Department of Health	State	266,626.00	University at Buffalo	Gronostajski, Dr. Richard
Western New York Perinatal Regionalization Program	NYS Department of Health	State	46,753.00	University at Buffalo	Lele, Dr. Amol
Early Childhood Outcomes (ECO) Data System Development	NYS Department of Health	State	300,000.00	University at Buffalo	Carter, Dr. Randolph
INFS - new module for stem cell transcription programming	NYS Department of Health	State	330,000.00	University at Buffalo	Stachowiak, Dr. Michal K
Induction of Oligodendrocyte Fate from Human Neural Stem Cells	NYS Department of Health	State	172,560.00	University at Buffalo	Sim, Mr. Fraser

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Rural Expansion - Family Violence Clinic	NYS Division of Criminal Justice Services	State	67,967.00	University at Buffalo	Tomkins, Dr. Suzanne E
Science and Technology Entry Program (STEP)	NYS Education Department	State	64,648.00	University at Buffalo	Daun-Barnett, Dr. Nathan J.
Science and Technology Entry Program (STEP)	NYS Education Department	State	290,226.00	University at Buffalo	Clarke, Mrs. Gwendolyn A
School Violence Prevention Program	NYS Education Department	State	38,097.00	University at Buffalo	Shulman, Dr. Lawrence
Operational Assistance to WBFO	NYS Education Department	State	39,153.00	University at Buffalo	Benders, Mr. David L
Collegiate Science & Technology Entry Program (CSTEP)	NYS Education Department	State	290,459.00	University at Buffalo	Crump-Owens, Ms. Shanna I
Carl Perkins Formula Grant 2010-2011	NYS Education Department	State	62,201.00	University at Buffalo	Weems, Dr. Sherryl D
Liberty Partnership Program	NYS Education Department	State	422,390.00	University at Buffalo	Alexander, Dr. Ramone A
Coordinated Collection Development Aid	NYS Education Department	State	29,766.00	University at Buffalo	Senglaup, Ms. Karen
Coordination Preservation Projects for the Conservation and Prservation of Library Research Materials	NYS Education Department	State	93,555.00	University at Buffalo	Gaczewski, Mr. Ronald
Extended School Day/ School Violence Prevention	NYS Education Department	State	86,262.00	University at Buffalo	Shulman, Dr. Lawrence
New York Consortium for Stationary Grid Scale Energy Storage	NYS Energy Research and Development Authority	State	200,000.00	University at Buffalo	Takeuchi, Dr. Esther Sans
Dean's Consortium of Schools of Social Work Evidence-based Practice in Mental Health Project	NYS Office of Mental Health	State	8,200.00	University at Buffalo	Dulmus, Dr. Catherine
NYS Deans Consortium of Schools of Social Work	NYS Office of Mental Health	State	89,336.00	University at Buffalo	Dulmus, Dr. Catherine
Center for Advanced Biomedical and Bioengineering Technology	NYS Office of Science Technology and Academic Res	State	460,600.00	University at Buffalo	Takeuchi, Dr. Esther Sans
Center for Advanced Biomedical and Bioengineering Technology	NYS Office of Science Technology and Academic Res	State	505,121.00	University at Buffalo	Holm, Dr. Bruce A
New York State Unified Court System: Office of Court Administration: Child Welfare Court Improvement Project	NYS Unified Court System	State	29,964.00	University at Buffalo	Green, Dr. Susan
Development of Software for Functional Imaging of the Retina	Department of Veterans Affairs	Federal	40,425.00	Upstate Medical University	Ts'o, Dr. Daniel Y
Poison Control Stabilization and Enhancement Program	Health Resources and Services Admin	Federal	157,540.00	Upstate Medical University	Stork-Medicis, Christine M
Poison Control Stabliziation and Enhancement Program	Health Resources and Services Admin	Federal	397,135.00	Upstate Medical University	Stork-Medicis, Christine M
ARRA: Equipment to Enhance Training for Health Professionals	Health Resources and Services Admin	Federal	266,716.00	Upstate Medical University	Banas, Sandra M.
ARRA: Training in Primary Care Medicine and Dentistry: Administrative Academic Units	Health Resources and Services Admin	Federal	304,852.00	Upstate Medical University	Manyon, Dr. Andrea T
ARRA: Training in Primary Care Medicine and Dentistry: Physician Assistant Training in Primary Care	Health Resources and Services Admin	Federal	829,154.00	Upstate Medical University	Banas, Sandra M.
Affordable Care Act: Expansion of Physician Assistant Training Program	Health Resources and Services Admin	Federal	2,046,528.00	Upstate Medical University	Banas, Sandra M.
Treatment of SLE with N-acetylcysteine	Nat'l Center for Complementary & Alternative Medic	Federal	389,269.00	Upstate Medical University	Perl, Dr. Andras
Effects of Malaria on EBV Persistence in Children	National Cancer Institute	Federal	311,666.00	Upstate Medical University	Rochford, Dr. Rosemary
Development of Dihydroartemisinin as a Novel Preventive Agent for Prostate Cancer	National Cancer Institute	Federal	79,563.00	Upstate Medical University	Sheikh, Dr. M Saeed
A novel biomarker and therapeutic target for breast cancer	National Cancer Institute	Federal	207,332.00	Upstate Medical University	Sheikh, Dr. M Saeed
Fellowship: Fate of in vitro Generated Retinal Progenitors in the Mature Eye	National Eye Institute	Federal	30,742.00	Upstate Medical University	Zuber, Dr. Michael E
Gap Functions and Ionic Currents in Developing Heart	National Heart Lung and Blood Institute	Federal	2,346.00	Upstate Medical University	Veenstra, Dr. Richard D
Efficacy of Histone Deacetylase Inhibitor Vorinostat in Myeloproliferative Neopla	National Heart Lung and Blood Institute	Federal	238,125.00	Upstate Medical University	Mohi, Dr. M Golam

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Chemical Inhibition of SHIP1 To Facilitate Allogeneic Bone Marrow Transplantation	National Heart Lung and Blood Institute	Federal	427,619.00	Upstate Medical University	Kerr, Dr. William G.
Role of SHP-1 in Monocyte-Mediated Demyelination	National Inst of Neurological Disorders & Stroke	Federal	276,937.00	Upstate Medical University	Massa, Dr. Paul T
Regulation of Neuronal Lamination and Dendritogenesis by Reelin-Dab1 Signaling	National Inst of Neurological Disorders & Stroke	Federal	296,193.00	Upstate Medical University	Howell, Dr. Brian W.
Experimental Fetal Alcohol Syndrome	National Institute for Alcohol Abuse & Alcoholism	Federal	739,365.00	Upstate Medical University	Miller, Dr. Michael W
Effects of Ethanol on Cell Cycle Regulation and DNA Repair in Neural Progenitors	National Institute for Alcohol Abuse & Alcoholism	Federal	39,644.00	Upstate Medical University	Miller, Dr. Michael W
Developmental Exposure Alcohol Research Center	National Institute for Alcohol Abuse & Alcoholism	Federal	1,804,316.00	Upstate Medical University	Miller, Dr. Michael W
ARRA: In Utero Ethanol Experience and Olfactory Plasticity	National Institute for Alcohol Abuse & Alcoholism	Federal	139,133.00	Upstate Medical University	Youngentob, Dr. Steven L
Humanized Mouse Models for Infectious Disease Therapeutics	National Institute of Allergy & Infectious Disease	Federal	481,701.00	Upstate Medical University	Moffat, Dr. Jennifer F
Single Stranded DNA: The Genome's Achilles Heel	National Institute of General Medical Sciences	Federal	222,220.00	Upstate Medical University	Feng, Wenyi
Structure and Function of Integral Membrane Enzyme Human Aromatase	National Institute of General Medical Sciences	Federal	574,029.00	Upstate Medical University	Ghosh, Dr. Debashis
Yeast Ess1, a Conserved PPIase Essential for Mitosis	National Institute of General Medical Sciences	Federal	181,562.00	Upstate Medical University	Hanes, Dr. Steven D.
ARRA: Yeast Ess1, a Conserved PPIase Essential for Mitosis	National Institute of General Medical Sciences	Federal	57,029.00	Upstate Medical University	Hanes, Dr. Steven D.
Treatment Adherence Program	NYS Aids Institute	State	152,308.00	Upstate Medical University	Blair, Donald C
Child Abuse Medical Provider	NYS Department of Health	State	75,000.00	Upstate Medical University	Botash, Dr. Ann S
Development/Operation of Shared Facilities: Expansion of the Humanized SCID Mouse Center & Stem Cell	NYS Department of Health	State	169,128.00	Upstate Medical University	Feuer, Dr. Gerold
Diabetes Center of Excellence	NYS Department of Health	State	98,702.00	Upstate Medical University	Weinstock, Dr. Ruth S
Graduate Medical Education Assistance Program (Legislative Grant)	NYS Department of Health	State	75,000.00	Upstate Medical University	Weinstock, Dr. Ruth S
HIV Prevention Services for Women, Children, Families and Young People	NYS Department of Health	State	227,503.00	Upstate Medical University	Weiner, Dr. Leonard B
HTLV Infection of Human Hematopoieric Stem Cells: Induction of Novel Lymphoma in Humanized SCID Mice	NYS Department of Health	State	47,954.00	Upstate Medical University	Feuer, Dr. Gerold
Library Coordinated Collection Development - Library Collection Aid Year 10-11	NYS Education Department	State	5,150.00	Upstate Medical University	Pope, Ms. Cristina A.
CSTEP- 2010	NYS Education Department	State	66,888.00	Upstate Medical University	Chambers, Ms. Nakeia Y.
Evaluation of Development Disabilities in Native American Population	NYS Office For People with Dev Disabilities	State	20,000.00	Upstate Medical University	Grant, Dr. Carroll J
Child Fatality Response Team	NYS Office of Children and Family Services	State	58,816.00	Upstate Medical University	Botash, Dr. Ann S
Role of Ess1 in control of RNA polymerase II	National Science Foundation	Federal	19,401.00	Upstate Medical University	Hanes, Dr. Steven D.
Brockport Migrant Education Program 09-10	NYS Education Department	State	749,191.00	SUNY Brockport	Baker, Ms. Sr Beverly
Carl D. Perkins Formula (Perkins IV, Basic Grant) VATEA II 09-10	NYS Education Department	State	260,651.00	SUNY Delhi	Callas, Dr. Dennis
Carl D. Perkins Vocational & Technical Education Program FY 09-10	NYS Education Department	State	116,951.00	SUNY Brockport	Geh, Mr. John C
Center for School Health Systems Change	NYS Education Department	State	157,820.00	SUNY Cortland	Hodges, Dr. Bonni C

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Long Island Regional Adult Education Network 09/10	NYS Education Department	State	198,269.00	Farmingdale State College	Murphy, Mr. Martin
Mathematics Teacher Enhancement Program (Dwight D Eisenhower - Title IIA)	NYS Education Department	State	80,651.00	Old Westbury	Lee, Dr. Jong P
Migrant Education Outreach Program (MEOP) 09/10	NYS Education Department	State	631,763.00	SUNY Fredonia	Johnson, Ms. Lucia R
Migrant Education Outreach Program FY 09/10	NYS Education Department	State	977,299.00	College at Oneonta	Perry, Dr. Steven R
Migrant Education Outreach Program FY 2009-10	NYS Education Department	State	1,089,079.00	SUNY Cortland	Barduhn, Dr. Marley E
Migrant Education Program ESEA 1 Migrant 09/10	NYS Education Department	State	1,425,201.00	SUNY New Paltz	Gutierrez, Ms. Margaret
Mohawk Valley Perkins Title II Consortium 09/10	NYS Education Department	State	160,718.25	SUNY Cobleskill	Hughes, Mr. Terry R
NYS Migrant Education Diversity Project	NYS Education Department	State	176,750.00	SUNY Brockport	Garcia Mathewson, Ms. Betty
North Country Migrant Education Project 2009-2010	NYS Education Department	State	657,516.00	SUNY Potsdam	Mallam, Ms. Dorothy
Perkins Grant 2009-2010	NYS Education Department	State	212,031.00	SUNY Canton	Gray, Ms. Christine
SUNY Cortland Teacher/Leader Quality Partnerships Program	NYS Education Department	State	188,863.00	SUNY Cortland	Lachance, Dr. Andrea M
SUNY Morrisville VATEA II Basic Grant 09-10	NYS Education Department	State	296,966.00	Morrisville State College	Burdick, Mrs. Mary Ellen
Speech Language Pathology Consortium FY 2009-2010	NYS Education Department	State	339,000.00	Buffalo State College	Jones, Dr. Gary W
TLQP	NYS Education Department	State	467,948.00	Binghamton University	Burch, Dr. Paul
TLQP - SMART	NYS Education Department	State	468,056.00	SUNY Oswego	Burrell-Ihlow, Dr. Marcia M
Teacher Leader Quality Partnership Program	NYS Education Department	State	195,468.00	University at Albany	Pagerey, Ruth
Teacher/Leader Quality Partnership Program 09/10	NYS Education Department	State	101,394.00	SUNY Potsdam	Reagan, Ms. Julie
The Mathematics Achievement = Success (MAS) Consortium	NYS Education Department	State	50,132.00	SUNY Cortland	Barduhn, Dr. Marley E
2009 SCIENCE AND TECHNOLOGY ENTRY PROGRAM (STEP)	NYS Education Department	State	90,227.00	Farmingdale State College	Raju, Mr. Venkitaswamy
2009-2010 C-STEP Program	NYS Education Department	State	115,142.00	SUNYIT	Lyons, Mrs. Marybeth
2009/2010 C-Step	NYS Education Department	State	(4,828.00)	Binghamton University	Bryant, Dr. Sharon A
Albany Regional Center for Autism	NYS Education Department	State	263,103.00	University at Albany	Christodulu, Dr. Kristin V.
C-Step FY 2009-2010	NYS Education Department	State	109,309.00	Buffalo State College	Diaz, Ms. Naomi
CSTEP (FY 2009-2010)	NYS Education Department	State	82,556.00	College of Optometry	Johnston, Dr. Edward
CSTEP 2009-2010	NYS Education Department	State	59,004.00	Upstate Medical University	Chambers, Ms. Nakeia Y.
CSTEP 2009-2010	NYS Education Department	State	108,194.00	SUNY Oswego	Narayan, Dr. Jack Y
CSTEP 2009-2010	NYS Education Department	State	248,048.00	Old Westbury	Teoh, Dr. Henry
CSTEP Grant 2009-2010	NYS Education Department	State	83,866.00	Purchase College	Corfield, Dr. Peter W R
Carl Perkins Formula Grant	NYS Education Department	State	67,300.00	University at Buffalo	Weems, Dr. Sherryl D
College Science and Technology Entry Program 2009-2010	NYS Education Department	State	101,053.00	SUNY New Paltz	Nunes, Dr. Stacie N
Collegiate Science & Technology Entry Program (CSTEP 09/10)	NYS Education Department	State	(5,006.00)	Morrisville State College	Penix, Mr. Timothy C
Collegiate Science and Technology Entry Program	NYS Education Department	State	168,291.00	Stony Brook University	Ferguson, Dr. David L
Collegiate Science and Technology Entry Program (C-STEP)	NYS Education Department	State	290,459.00	University at Buffalo	Crump-Owens, Ms. Shanna I
Collegiate Science and Technology Entry Program (CSTEP 09-10)	NYS Education Department	State	108,932.00	SUNY Brockport	Thompson, Ms. Barbara J
Collegiate Science and Technology Entry Program CSTEP 09-10	NYS Education Department	State	47,156.00	Farmingdale State College	Raju, Mr. Venkitaswamy
Collegiate Science and Technology Program 2009-2010	NYS Education Department	State	(5,131.00)	SUNY Potsdam	Partridge, Mr. Sean
Collegiate Science, Technology Entry Program (CSTEP) 2009-2010, Project # 0516-10-1079	NYS Education Department	State	244,024.00	University at Albany	Hedberg, Dr. William B.

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Coordinated Collection Development Aid	NYS Education Department	State	30,909.00	University at Buffalo	Booth, Ms. Helen A
Coordinated Collection Development Aid 2009-2010	NYS Education Department	State	20,581.00	University at Albany	Casserly, Dr. Mary F
Coordinated Collection Development Aid - Library Collection Aid 09/10	NYS Education Department	State	6,652.00	Old Westbury	Kirkpatrick, Mr. Stephen
Coordinated Collection Development Aid 09-10	NYS Education Department	State	6,090.82	Maritime College	Murphy, Mr. Keith
Coordinated Collection Development Aid 09/10	NYS Education Department	State	8,616.00	SUNY Fredonia	Gadikian, Mr. Randolph
Coordinated Collection Development Aid 09/10	NYS Education Department	State	5,593.00	SUNY Downstate Medical Center	Winant, Dr. Richard
Coordinated Collection Development Aid Application 2009-2010	NYS Education Department	State	10,420.00	SUNY New Paltz	Lee, Ms. Chui
Documentary Heritage	NYS Education Department	State	8,264.00	Maritime College	Constantinou, Mr. Constantinos V
Documentary Heritage Program 2009-2010	NYS Education Department	State	14,331.00	University at Albany	Keough, Mr. Brian
Educational Finance Research Consortium - Year 4	NYS Education Department	State	(55,879.00)	University at Albany	Wyckoff, Dr. James H
Educational Finance Research Consortium - Year 4	NYS Education Department	State	179,116.00	University at Albany	Wyckoff, Dr. James H
Educational Leadership Program Enhancement Project (ELPEP)	NYS Education Department	State	295,591.00	Stony Brook University	Moraghan, Dr. Robert
Expansion - For Services & Expenses of the Center for Autism & Related Disabilities at SUNY Albany	NYS Education Department	State	465,239.00	University at Albany	Christodulu, Dr. Kristin V.
Extended School Day - Violence Prevention Program	NYS Education Department	State	80,455.00	University at Buffalo	Shulman, Dr. Lawrence
Liberty Partnership (Great Potential Program at Purchase College)	NYS Education Department	State	118,299.48	Purchase College	Alt, Mr. Jason
Liberty Partnership 2009-2010	NYS Education Department	State	252,720.00	Binghamton University	Crews, Ms. Diane C
Liberty Partnership Program	NYS Education Department	State	252,873.00	University at Buffalo	Alexander, Dr. Ramone A
Liberty Partnership Program	NYS Education Department	State	399,310.00	SUNY Canton	Grant, Ms. Agnes
Liberty Partnership Program (FY 09-10)	NYS Education Department	State	251,195.00	SUNY Cobleskill	Munford, Mr. Stephen A
Liberty Partnership Program 09/10	NYS Education Department	State	221,209.00	Morrisville State College	Nichols, Mr. Edward C
Liberty Partnership Program 09/10	NYS Education Department	State	253,434.00	SUNY Fredonia	Wagner, Ms. Nancy L
Liberty Partnership Program FY 2009-2014	NYS Education Department	State	322,452.00	Buffalo State College	Cathey, Ms. Patrice A
Liberty Partnership Program FY09/10	NYS Education Department	State	146,039.00	Farmingdale State College	Andriano, Ms. Janet D
Liberty Partnerships Program 2009-2010	NYS Education Department	State	170,306.26	SUNY Cortland	Barduhn, Dr. Marley E
Liberty Partnerships Rising Stars Program, 2009-2010, SED Ref # 0655-10-7003	NYS Education Department	State	126,716.00	University at Albany	Hopson, Ms. Laura M
Library Collection 2009-2010	NYS Education Department	State	17,216.00	Binghamton University	Shephard, Mr. Edward
Library Collection Aid 2009-10	NYS Education Department	State	5,919.00	SUNYIT	Bankert, Dr. Esther
Library Collection Aid 2009-2010	NYS Education Department	State	10,603.00	Empire State College	Hayes, Ms. Suzanne
Library Collection Aid 2009-2010	NYS Education Department	State	6,479.00	Morrisville State College	Hildebrand, Miss Marion E
Library Collection Aid 2009-2010	NYS Education Department	State	8,384.00	Farmingdale State College	Knauth, Mr. Michael
Library Collection Aid 2010	NYS Education Department	State	13,272.00	Buffalo State College	Glogowski, Ms. Maryruth
Library Collection Aid Award	NYS Education Department	State	27,347.18	Stony Brook University	White, Dr. Andrew
Library Collection Aid FY 09/10	NYS Education Department	State	5,762.00	SUNY ESF	Weiter, Mr. Stephen P
Library Collection Aid Yr 09/10	NYS Education Department	State	7,835.00	SUNY Potsdam	Rogers, Ms. Jenica
Library Collection Aid Yr. 09/10	NYS Education Department	State	6,260.38	SUNY Delhi	Peters, Ms. M
Library Coordinated Collection Development - Library Collection Aid Year 09-10	NYS Education Department	State	10,992.00	SUNY Brockport	Orzech, Dr. Mary Jo
Library Coordinated Collection Development - Library Collection Aid Year 09-10	NYS Education Department	State	5,268.00	Upstate Medical University	Pope, Ms. Cristina A.

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Library Coordinated Collection Development - Library Collection Aid Year 2009-2010	NYS Education Department	State	9,058.06	College at Oneonta	Beach, Mrs. Heather Jean
Library Coordinated Collection Development - Library Collection Aid Yr 09/10	NYS Education Department	State	7,401.00	Purchase College	Callahan, Mr. Patrick
Library Coordinated Collection Development - Library Collection Aid Yr 09/10	NYS Education Department	State	6,616.31	Alfred State College	Haggstrom, Mr. David
Library Coordinated Collection Development - Library Collection Aid Yr 09/10	NYS Education Department	State	6,028.00	SUNY Cobleskill	Orgeron, Ms. Elizabeth
Library Coordinated Collection Development - Library Collection Aid Yr 09/10	NYS Education Department	State	8,771.00	SUNY Geneseo	Rivenburgh, Mr. Edwin
Library Coordinated Collection Development - Library Collection Aid Yr 09/10	NYS Education Department	State	4,295.75	College of Optometry	Wells, Ms. Elaine
Library Coordinated Collection Development Aid 09/10	NYS Education Department	State	5,919.00	SUNY Canton	Horton, Kathleen
Library Coordinated Collection Development Aid- Library Collection Year 09/10	NYS Education Department	State	11,095.92	SUNY Oswego	Bell, Ms. Mary Beth
Library Coordinated Collection Development- Library Collection Aid for 09-10	NYS Education Department	State	9,335.00	SUNY Plattsburgh	Hendrix, Ms. Carla
NYS Conservation Preservation Program	NYS Education Department	State	35,473.53	Stony Brook University	Feinberg, Mr. Richard
NYS Science & Technology Entry Program (2009-2010)	NYS Education Department	State	81,591.00	SUNY New Paltz	Duhaney, Devon
NYS Summer School- School of Media Arts	NYS Education Department	State	103,323.00	SUNY Oswego	Messere, Frank
New York State Regional Adult Education Network (RAEN) System	NYS Education Department	State	177,723.00	University at Albany	Lipinski, Ms. Tanya
North Country Science & Technology Program (STEP)	NYS Education Department	State	(12,361.00)	SUNY Potsdam	Stickney, Ms. Mary E
Old Westbury Science Training & Education Program (STEP)	NYS Education Department	State	158,958.00	Old Westbury	Quarless, Dr. Duncan A
Operational Assistance to WBFO	NYS Education Department	State	39,153.00	University at Buffalo	Benders, Mr. David L
Potsdam Early Childhood Direction Centers (ECDC)	NYS Education Department	State	143,197.00	SUNY Potsdam	Snell, Mrs. Tammy P.
Public Broadcasting Operational Aid 09/10	NYS Education Department	State	39,153.00	SUNY Oswego	Krauss, Mr. John E
Records of the Coalition on West Valley Nuclear Wastes at SUNY Fredonia	NYS Education Department	State	13,753.00	SUNY Fredonia	Linden, Jeremy R.
Response to Intervention Center (RTI-TAC) Year 2	NYS Education Department	State	338,004.00	Buffalo State College	Janczak, Dr. Theresa
STEP-Science & Technology Program FY 2009-2010	NYS Education Department	State	172,624.00	Buffalo State College	Carter, Mr. Darryl C
SUNY Cortland Coordinated Collection Development Aid 2009-2010	NYS Education Department	State	10,153.00	SUNY Cortland	Wood, Ms. Gail
SUNY ESF Collegiate and Technology Entry Program 09-10	NYS Education Department	State	(2,090.00)	SUNY ESF	Drummer Francis, Ms. Raydora S
SUNY Fredonia CSTEP 2009-2010	NYS Education Department	State	(16,833.00)	SUNY Fredonia	Kennedy, Ms. Barbara A
Science Technology Entry Program (STEP) 2009-2010, Project # 0516-10-0042	NYS Education Department	State	241,458.00	University at Albany	Hedberg, Dr. William B.
Science and Technology Entry Program	NYS Education Department	State	168,698.00	Stony Brook University	Ferguson, Dr. David L
Science and Technology Entry Program (STEP)	NYS Education Department	State	231,850.00	University at Buffalo	Clark, Ms. Patricia E
Science and Technology Entry Program at Purchase College - STEP 2009-2010	NYS Education Department	State	98,165.00	Purchase College	Corfield, Dr. Peter W R
Seneca Nation/SUNY Fredonia STEP 2009-2010	NYS Education Department	State	(26,119.67)	SUNY Fredonia	Dobey, Dr. Daniel C
Special Legislative Initiative: Libraries+Literacy = Lifelong Learning	NYS Education Department	State	75,000.00	Binghamton University	Kowalik, Mr. Thomas F
State Performance Plan for Special Education, and Vocational Rehabilitation Consumer Satisfaction	NYS Education Department	State	75,424.00	SUNY Potsdam	Turbett, Dr. James P
Teacher Opportunity Corp FY 09-10	NYS Education Department	State	21,020.00	SUNY Fredonia	Smith, Dr. Cynthia M
Teacher Opportunity Corps Program (09-10)	NYS Education Department	State	31,146.00	SUNY Brockport	DiPasquale, Ms. Nancy N
The SUNY Oswego Teacher Recruitment for Urban Schools Today (TRUST) Initiative	NYS Education Department	State	10,784.00	SUNY Oswego	Davis, R Deborah
ARRA - Energy Conservation Study	NYS Energy Research and Development Authority	State	29,100.00	SUNY Canton	McCormick, Mr. Michael
ARRA: Energy Conservation Study	NYS Energy Research and Development Authority	State	29,486.00	CNSE	Haldar, Dr. Pradeep

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
ARRA: Energy Conservation Study	NYS Energy Research and Development Authority	State	28,675.00	SUNY Downstate Medical Center	Losonsky, Mr. Robert
ARRA: NYSERDA/University at Buffalo Energy Efficient Compute Servers for a High Performance Computing Environment	NYS Energy Research and Development Authority	State	495,000.00	University at Buffalo	Furlani, Dr. Thomas R
Feasibility Study of High Volume Production of Low Cost Photovoltaic Cells	NYS Energy Research and Development Authority	State	250,000.00	CNSE	Elter, Dr. John F
Geographic Variation of Methylimercury Bioaccumulation in the Hudson	NYS Energy Research and Development Authority	State	250,030.00	Stony Brook University	Fisher, Dr. Nicholas S
SUNY Canton Digester CHP Project	NYS Energy Research and Development Authority	State	1,000,000.00	SUNY Canton	Deuel, Mr. Ryan
Self-Organizing Transportation System	NYS Energy Research and Development Authority	State	37,094.00	University at Albany	Goel, Dr. Sanjay
2010/2011 Binghamton Online Courses for Management Confidential Employees	NYS Governors Office of Employee Relations	State	1.00	Binghamton University	Kowalik, Mr. Thomas F
PSWP2009-2011 ed2go Workshop-Internal Award related to NYSGOER Award 51407	NYS Governors Office of Employee Relations	State	70,725.00	Binghamton University	Kowalik, Mr. Thomas F
Public Service Training Workshop	NYS Governors Office of Employee Relations	State	8,217.56	SUNY New Paltz	Winters, Helise
Public Service Workshop (PSWP)-Workshop Delivery-Internal Award related to NYSGOER Award 38085	NYS Governors Office of Employee Relations	State	1,800.00	University at Albany	Fortune, Dr. Anne E
Public Service Workshop Program (PSWP)	NYS Governors Office of Employee Relations	State	7,495,595.00	University at Albany	Monaco, Mr. Eugene J
Public Service Workshop Program (PSWP) - Workshop Delivery - Internal Award related to NYSGOER Award 38085	NYS Governors Office of Employee Relations	State	5,500.00	University at Albany	Mower, Dr. James E
Public Service Workshop Program (PSWP) - Workshop Delivery - Internal Award related to NYSGOER Award 51407	NYS Governors Office of Employee Relations	State	17,731.00	University at Albany	Cresswell, Ms. Sydney Gatto T
Public Service Workshop Program (PSWP) - Workshop Delivery - Internal Award related to NYSGOER Award 51407	NYS Governors Office of Employee Relations	State	2,500.00	University at Albany	Monaco, Mr. Eugene J
Public Service Workshop Program (PSWP) - Workshop Delivery - Internal Award related to NYSGOER Award 51407	NYS Governors Office of Employee Relations	State	1,500.00	University at Albany	Refki, Dr. Dina H
Public Service Workshop Programs 2010	NYS Governors Office of Employee Relations	State	3,500.00	Binghamton University	Kowalik, Mr. Thomas F
Public Service Workshops Program	NYS Governors Office of Employee Relations	State	1,700.00	Upstate Medical University	Neville, Kevin M.
Public Service Workshops Program	NYS Governors Office of Employee Relations	State	4,000.00	SUNY Oswego	Petrella, Dr. Yvonne
Public Service Workshops Program (PSWP)- Workshop Delivery - Internal Award Related to NYSGOER Award 51407	NYS Governors Office of Employee Relations	State	1,750.00	SUNY Cortland	Smukler, Dr. David
Public Services Workshops Program (PSWP)- Workshop Delivery- Internal Award related to NYSGOER award 51407	NYS Governors Office of Employee Relations	State	2,000.00	SUNYIT	Tyksinski, Ms. Deborah
Visual Impact Assessment for DOT	NYS Governors Office of Employee Relations	State	19,539.33	SUNY ESF	Wakefield, Ms. Maureen A
At Risk-Drinking/Driving Exhibits	NYS Governors Traffic Safety Committee	State	174,953.00	SUNYIT	Wolfe, Dr. Frederick Andrew
Child Passenger Safety Program	NYS Governors Traffic Safety Committee	State	20,000.00	Stony Brook University	Schultz, Dr. Ronni
Data Services for Traffic Safety	NYS Governors Traffic Safety Committee	State	344,483.00	University at Albany	Dowling, Dr. Anne M
Impaired Driving Research	NYS Governors Traffic Safety Committee	State	231,492.00	University at Albany	Dowling, Dr. Anne M
Local Traffic Safety Program Support	NYS Governors Traffic Safety Committee	State	265,410.00	University at Albany	Rood, Ms. Debra H
Research, Evaluation and Analytical Support for New York State's Highway Safety Program	NYS Governors Traffic Safety Committee	State	961,807.00	University at Albany	Rood, Ms. Debra H
NYS Gear Up 2009-2010	NYS Higher Education Services Corporation	State	185,337.00	SUNY Cobleskill	Turner, Mr. Paul M
SUNY Cobleskill College Access Program	NYS Higher Education Services Corporation	State	200,000.00	SUNY Cobleskill	Turner, Mr. Paul M
Evidence-Based Disease Prevention - Federal Flow-Thru Funded - Yr4	NYS Office for the Aging	State	27,084.00	University at Albany	McCallion, Dr. Philip
Evidence-Based Disease Prevention - Non-Federally Funded - Yr 4	NYS Office for the Aging	State	12,499.00	University at Albany	McCallion, Dr. Philip
Research and Training Support, 2009-2010	NYS Office for the Aging	State	45,000.00	University at Albany	McCallion, Dr. Philip
ARRA: 2009-2010 Americorps Recovery Act Program	NYS Office of Children and Family Services	State	3,400.00	Stony Brook University	Savoca, Dr. Marianna
ARRA: Adaptive Equipment Loan Project for CBVH	NYS Office of Children and Family Services	State	30,000.00	University at Buffalo	Silverheels, Mrs. Sumana
ARRA: AmeriCorps Program Award	NYS Office of Children and Family Services	State	99,944.00	SUNY Cortland	Kendrick, Dr. J Richard Jr

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
ARRA: CBVH Innovative Employment and Training Program: Center for Assistive Technology - Innovative Scoping	NYS Office of Children and Family Services	State	175,318.00	University at Buffalo	Oddo, Ms. Christine R
ARRA: Internship Stipend Program - Master's in Rehabilitation Counseling	NYS Office of Children and Family Services	State	12,900.00	University at Buffalo	Burganowski, Dr. David F
Adolescent Services Resource Network Region I and II 2010	NYS Office of Children and Family Services	State	464,279.00	Buffalo State College	Incorvia, Mr. Michael A
AmeriCorps State/ AmeriCorps State Education Award	NYS Office of Children and Family Services	State	148,489.00	SUNY Cortland	Kendrick, Dr. J Richard Jr
Child Care Block Grant 2009/2010	NYS Office of Children and Family Services	State	3,980,000.00	Sys Admin - Provost	Brady, Ms. Marcia
Child Protective Services 2010	NYS Office of Children and Family Services	State	1,464,775.00	Buffalo State College	Incorvia, Mr. Michael A
Child Welfare Eligibility Training 2010	NYS Office of Children and Family Services	State	204,296.00	Buffalo State College	Incorvia, Mr. Michael A
Child Welfare/Child Protective Services Outcome Based Training 2010	NYS Office of Children and Family Services	State	6,570,000.00	Buffalo State College	Incorvia, Mr. Michael A
Children and Family Services Improvement Program 2010	NYS Office of Children and Family Services	State	705,706.00	Buffalo State College	Incorvia, Mr. Michael A
Contract #4: Americorps Volunteers for Community Service	NYS Office of Children and Family Services	State	6,000.00	Stony Brook University	Baigent, Mr. Peter
Data Management Plan for NYS Family Resource Centers 2009-2010 - Federal Flow-through funded	NYS Office of Children and Family Services	State	122,531.00	University at Albany	Greene, Ms. Rose M
Evaluation of the NYS Home Visiting Program, 2009-2010	NYS Office of Children and Family Services	State	998,816.00	University at Albany	Greene, Ms. Rose M
Foster Adoptive Parent Training 2010	NYS Office of Children and Family Services	State	2,439,597.00	Buffalo State College	Incorvia, Mr. Michael A
LDST02 Local District Training and Support 2010	NYS Office of Children and Family Services	State	93,500.00	SUNY Potsdam	Horan, Mr. John J
Leadership and Organizational Development 2010	NYS Office of Children and Family Services	State	353,946.00	Buffalo State College	Incorvia, Mr. Michael A
Local District Training and Support 2010	NYS Office of Children and Family Services	State	183,941.00	Buffalo State College	Incorvia, Mr. Michael A
Mandated Reporter Training 2010	NYS Office of Children and Family Services	State	632,450.00	Buffalo State College	Incorvia, Mr. Michael A
OCFS Adoption Option Training 2010	NYS Office of Children and Family Services	State	1.00	Buffalo State College	Incorvia, Mr. Michael A
OCFS Westchester Staff Development Support 2010	NYS Office of Children and Family Services	State	154,003.00	Buffalo State College	Incorvia, Mr. Michael A
Regional Training Operation 2010	NYS Office of Children and Family Services	State	174,829.00	Buffalo State College	Incorvia, Mr. Michael A
Statewide Training and Registration System (STARS) 2010	NYS Office of Children and Family Services	State	327,471.00	Buffalo State College	Incorvia, Mr. Michael A
Team Model Training 2010	NYS Office of Children and Family Services	State	667,498.00	Buffalo State College	Incorvia, Mr. Michael A
Training for Healthcare Consultants	NYS Office of Children and Family Services	State	80,000.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 10	NYS Office of Children and Family Services	State	617,500.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 14	NYS Office of Children and Family Services	State	252,300.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 2 - C026021	NYS Office of Children and Family Services	State	1,925,100.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 6	NYS Office of Children and Family Services	State	146,870.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 8	NYS Office of Children and Family Services	State	2,018,218.00	University at Albany	Briar-Lawson, Dr. Katharine
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #11 - C026012	NYS Office of Children and Family Services	State	497,250.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #12 - C026009	NYS Office of Children and Family Services	State	350,850.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #13 - C026015	NYS Office of Children and Family Services	State	526,500.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #15	NYS Office of Children and Family Services	State	508,250.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #16 - C026007	NYS Office of Children and Family Services	State	152,000.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #17	NYS Office of Children and Family Services	State		University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #18	NYS Office of Children and Family Services	State	1,302,260.00	University at Albany	Monaco, Mr. Eugene J

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #19	NYS Office of Children and Family Services	State	137,706.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #19 - C026018	NYS Office of Children and Family Services	State	1,567,500.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #20	NYS Office of Children and Family Services	State	237,500.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #3 - C026016	NYS Office of Children and Family Services	State	776,843.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #4 - C026010	NYS Office of Children and Family Services	State	460,551.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #5 - C026014	NYS Office of Children and Family Services	State	665,000.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #7 - C026019	NYS Office of Children and Family Services	State	1,482,776.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #9	NYS Office of Children and Family Services	State	115,078.00	University at Albany	Monaco, Mr. Eugene J
Child Fatality Response Team	NYS Office of Children and Family Services	State	58,816.00	Upstate Medical University	Botash, Dr. Ann S
Management Information System for Family Assessment Response Evaluation (FAR), C025782	NYS Office of Children and Family Services	State	79,999.00	University at Albany	Greene, Ms. Rose M
McMahon/Ryan Child Advocacy Site (09-10)	NYS Office of Children and Family Services	State	90,239.00	Upstate Medical University	Botash, Dr. Ann S
Sanctuary Evaluation	NYS Office of Children and Family Services	State	202,100.00	University at Albany	Greene, Ms. Rose M
Dean's Consortium of Schools of Social Work Evidence ?based Practice in Mental Health Project	NYS Office of Mental Health	State	6,200.00	Stony Brook University	Robbins, Dr. Charles
NYS Dean's Consortium of Schools of Social Work	NYS Office of Mental Health	State	8,700.00	University at Albany	Hardiman, Dr. Eric
New York State Mental Heath Education Consortium	NYS Office of Mental Health	State	8,700.00	University at Buffalo	Dulmus, Dr. Catherine
OMH Dean's Education Consortium	NYS Office of Mental Health	State	89,334.00	University at Buffalo	Dulmus, Dr. Catherine
Clinton Senior Day Care Program (FY 2010)	NYS Office of Mental Retardation & Developmental Disabilities	State	41,115.00	SUNY Plattsburgh	Zandi, Dr. Taher
Evaluation of Development Disabilities in Native American Population	NYS Office of Mental Retardation & Developmental Disabilities	State	73,469.00	Upstate Medical University	Grant, Dr. Carroll J
Non-Medicaid Service Coordination	NYS Office of Mental Retardation & Developmental Disabilities	State	41,743.00	Stony Brook University	Pomeroy, Dr. John C C
Respite and Recreation Services	NYS Office of Mental Retardation & Developmental Disabilities	State	55,776.00	Stony Brook University	Pomeroy, Dr. John C C
Center for Biotechnology 09-10	NYS Office of Science Technology and Academic Research	State	129,540.11	Stony Brook University	Rubin, Dr. Clinton T
NYSTAR Center for Advanced Biomedical and Bioengineering Technology	NYS Office of Science Technology and Academic Research	State	867,328.69	University at Buffalo	Holm, Dr. Bruce A
Sensor CAT Luryi 09/10	NYS Office of Science Technology and Academic Research	State	921,200.00	Stony Brook University	Luryi, Dr. Serge
160 OTDA OTSS T5 & T7 2010	NYS Office of Temporary & Disability Assistance	State	2,387,769.00	Buffalo State College	Incorvia, Mr. Michael A
ATTAIN Phase IX	NYS Office of Temporary & Disability Assistance	State	4,207,165.25	Sys Admin - Provost	Chalmers, Mr. William
Base Bridge XVIII	NYS Office of Temporary & Disability Assistance	State	8,304,500.00	Sys Admin - Provost	Krzeminski, Mr. Gary
MGMRFQ Consultant Services Project 2010	NYS Office of Temporary & Disability Assistance	State	110,000.00	SUNY Oswego	Bellow, Ms. Nancy J
Training Resource System 2010	NYS Office of Temporary & Disability Assistance	State	894,558.00	Buffalo State College	Incorvia, Mr. Michael A
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan # 8 (Contract # C020987)	NYS Office of Temporary & Disability Assistance	State	599,959.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #1 (Contract #C020991)	NYS Office of Temporary & Disability Assistance	State	1,002,771.00	University at Albany	Monaco, Mr. Eugene J

PROGRAM	SOURCE (Agency Sponsor Name)		Budget Amount	Agency/Campus Name	Contact -Principal Investigator
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #10 (Contract # C021000)	NYS Office of Temporary & Disability Assistance	State	487,767.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #2 (Contract #C021002)	NYS Office of Temporary & Disability Assistance	State	1,313,308.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #3 (Contract # C020988)	NYS Office of Temporary & Disability Assistance	State	2,013,004.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #4 (Contract # C021003)	NYS Office of Temporary & Disability Assistance	State	281,244.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #5 (Contract #C020992)	NYS Office of Temporary & Disability Assistance	State	832,043.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #6 (Contract # C020996)	NYS Office of Temporary & Disability Assistance	State	946,805.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #7 (Contract #C020989)	NYS Office of Temporary & Disability Assistance	State	96,900.00	University at Albany	Monaco, Mr. Eugene J
Workforce and System Development of Family Assistance and Affiliated Organizations - Workplan #9 (Contract # C020999)	NYS Office of Temporary & Disability Assistance	State	990,297.00	University at Albany	Monaco, Mr. Eugene J
Workplace Skill Building Training 2010	NYS Office of Temporary & Disability Assistance	State	25,000.00	SUNY Oswego	Bellow, Ms. Nancy J
Hydrological Characterization of Woodlawn Beach	NYS Water Resources Institute at Cornell University	State	18,200.00	Buffalo State College	Roehm, Dr. Charlotte
Implementation of the Smart Scholars Early College High School Program-(ECHS)	University of the State of New York	State	500,000.00	Sys Admin - Provost	Duncan-Poitier, Johanna

PART III: Technical Assistance and Program Guidance

Adirondack Park Agency

The Adirondack Park Agency (APA) was created in 1971 by the New York State Legislature with the mission to protect the public and private resources within the "Blue Line" of the Adirondack Park through the exercise of the powers and duties of the Agency as provided by law. The basic purpose of the APA Act is "to ensure optimum overall conservation, development and use of the unique scenic, aesthetic, wildlife, recreational, open space, historic, ecological and natural resources of the Adirondack Park." The APA works to balance the complementary needs of all the people of the State for the preservation of the park's resources and open space character with the needs of the park's permanent, seasonal and transient populations for growth and service areas, employment, and a strong diversified economic base.

Economic Services Unit

The Economic Services Unit assists the general public and project sponsors by providing staff expertise in market and financial feasibility analysis, economic and fiscal impact analysis, regulatory compliance and economic development planning. Staff assists project sponsors and economic developers in evaluating business locations and identifies other sources of help for business development.

Anyone interested in land use and development inside the Adirondack Park is encouraged to meet with Agency staff in pre-application meetings. These meetings are designed to inform potential project sponsors of the requirements associated with development in the Adirondack Park. Pre-application meetings often result in advice which helps citizens design projects that comply with Park regulations expediting project review.

The Agency's Economic Unit operates within the Adirondack Park Agency and is integrated with the Agency's Regulatory, Local Government Services, State Land, Resource Analysis and Scientific and Legal Services units. On an annual basis the Agency is engaged in the permitting of approximately 400 projects which range from a 510-unit campground, to a school biomass facility, to quarry projects with significant community economic impacts. A project permit from a wood products company received efficient review and was permitted in less than thirty-five days in support of business expansion that contributed to product development and marketing. In another permit, the Agency responded to a volunteer request for operation of a ski mountain that resulted in renewed tourism and community benefits.

Business Parks inside the Blueline

The Adirondack Park Agency working in partnership with local governments has successfully permitted eight business parks, six in Essex County and two in Franklin County. Two Essex County business parks were Shovel-Ready sites, certified by Empire State Development (ESD) and the Governor's Office of Regulatory Reform (GORR).

Keeseville Industrial Park (Essex County IDA)

This 1976 project was the first business park approved by the Adirondack Park Agency. It includes six business sites and is fully developed. Operations within the Park include a pallet maker, a firm that separates and packages garnet as a municipal water treatment medium, a commercial uniform distributor, and an ARC training facility.

Moriah Business Park (Essex County IDA)

This 30 acre business park includes five sites which have been certified Shovel-Ready by ESD and GORR and an original site on which an anchor, 20,000 square foot "spec" building was constructed. The "spec" building is owned by the Essex County IDA and leased to Pre-Tech Plastics, a Vermont-based firm making custom machined parts. One of the adjoining Shovel-Ready sites is home to a local health care provider. The four remaining Shovel-Ready sites are currently being marketed by the Essex County IDA.

The Essex County IDA has posted a virtual tour of the Moriah Business Park on its website: http//www.essexcountyida.com/parks/moriah_tour/parkmap.html

Chesterfield Commerce Park (Town of Chesterfield and Essex County IDA)

The 102 acre Chesterfield Commerce Park was designed in two phases. Phase I includes nine lots ranging in size from three to five acres each. Four of the nine lots are Shovel-Ready certified. Additional un-subdivided space is available in Phase II. Roads and all utilities (water, sewer, and underground electric and telephone) are in place to serve the Phase I Shovel-Ready lots.

Westport Development Park (Private owner - Richard Sherman, Bessboro Builders Inc)

The 32 acre Westport Development Park consists of five commercial/industrial development lots served by municipal water. Working cooperatively with the APA, the Town of Westport secured a permit for the future extension of sewer lines. The APA issued a permit for the construction of a 15,000 square foot building on one of the lots.

Willsboro Commerce Park (Willsboro Development Corporation and the Essex County IDA)
The first section of the 107 acre business park site (10 acres) was permitted by the Agency in 2001 for a new 20,000 sq. ft. building to house the operations of a manufacturer of Adirondack cedar furniture. The APA assisted through pre-application meetings and technical support. Timely issuing of the permit ensured the project sponsor was able to secure funding and commence his operations. Significant development opportunities exist in this business park.

Harrietstown Business Park (Town of Harrietstown)
The early phase of the business park was permitted by the Adirondack Park Agency in the mid-1990s and includes two business operations. The Franklin County ARC owns and occupies a 10,000 sq. ft. building in the business park. A second building, constructed in 1998, houses Bionique Testing laboratories, Inc., a firm which specializes in the testing of cell cultures and related products for the detection of mycoplasmal contamination. There is a pending application for a 100 acre expansion of the business park to include seven Shovel-Ready sites.

Tupper Lake Wood Products Park (Franklin County IDA)
This 136 acre business park in the Town of Tupper Lake was permitted by the Agency in 1999. It includes two sections separated by a significant wetland area. The first section includes five proposed development sites and is served by municipal water and sewer. The second and larger section is not served by municipal utilities. The access road and infrastructure for the first section has been installed. The site is currently being marketed for wood-using facilities and other commercial and industrial uses.

Department of Agriculture and Markets

One mission of the Department of Agriculture and Markets is to protect and strengthen the viability of New York's food and agricultural industry. The food and agricultural industry in New York is a composite of several industries including production agriculture, the provision of inputs to farmers, food processing and manufacturing, and food and commodity distribution and marketing. Collectively, these sectors generate a very large portion of the State's jobs and business revenues and are a major contributor to New York's economy.

The Department provides support and serves the State's food and agricultural industry through several industry development programs:

Grow New York

The Grow NY Agricultural Economic Development program is an umbrella program that consists of the following grant programs; Farmers' Markets, Food and Agriculture Industry and Development, Farmland Viability, Agritourism; Agricultural Worker Certification.

Farmers' Market Grants Program

This competitive grants program which provides funding of up to $50,000 per project for farmers' markets. The funds, which must be matched by the applicant, may be used for the construction, reconstruction or other improvements as well as marketing of a farmers' market. In 2008-09; a total of 30 grants in the amount of $107,000 were awarded for marketing and in 2009-10, 12 grants in the amount of $150,224 were awarded for capital improvements to farmers' markets. Examples of best practices include:

- **City of Canandaigua (Ontario County) - $35,000**
  Construct an open sided, post and beam building to house the existing Canandaigua Farmers' Market.
- **Rensselaer County Economic Development - $1,224**
  Purchase a storage shed for market materials, and a wagon for transportation of stored items.
- **Capital District Cooperative, Inc. (Albany County) - $50,000**
  Refinish exterior of building used to house the Menands Market, repair pavement and sewage system, and design and purchase new welcome signs to the market.

Food and Agricultural Industry Development Grants Program

This competitive grant program funds demonstration projects, feasibility analyses, and applied research designed to address New York State's agricultural development needs and opportunities. Project proposals must involve new product development, alternative production, processing, distribution or marketing technologies. In 2007-08, seven grants were awarded in the amount of $312,519. Examples of best practices include:

- **Martin Sidor Farms (Suffolk County) - $98,400 (awards in two consecutive years)**
  Year 1 -Develop "North Fork of Long Island All Natural Potato Chips" and test the viability of sunflower oil as a biofuel in tractors.

  Year 2 - Continue to test locally-inspired flavors for their locally grown and produced potato chips in addition to the five flavors they currently have. In addition, Martin Sidor Farms processes used sunflower oil into biofuel for their tractors, as well as possibly for other local farmers.

- **LocalFarms Hudson Valley (Ulster County) - $59,160**
  Using vegetables from small local farms, developed a line of frozen vegetables with a regional label that farmers can sell directly back to their customers.

- **Orchard Sweets (Wayne County) - $60,000**
  Acquire a rotary drum dryer and milling machine and build a structure to aid in dehydration of fruit and vegetable products for the pet food industry.

- **Washington County CCE - $108,000 (awards in two consecutive years)**
  Year 1 - Create a direct marketing and distribution link between produce, meat, and cheese producers in Washington, Saratoga, and Rensselaer counties and New York City chefs.

  Year 2 - Expand the Farm-to-Chef Express program through better publicity, education for farmers and chefs, farmer-chef networking, and development of a business plan.

Farmland Viability

This competitive grants program assists farm operators and agricultural cooperatives developing business plans or implementing part(s) of an existing business plan that will enhance the profitability and/or environmental compatibility of their farm operations, and to assist county agricultural and farmland protection boards (AFPBs) in implementing components of their approved county agricultural and farmland protection plans that will enhance the economic condition of agriculture in their communities. Examples of best practices include:

- **Goold Orchards/Brookview Station Winery (Rensselaer County)-$14,998**
  Purchase equipment necessary to produce apple wine made from apples grown in the orchard.
- **Delaware County Ag & Farmland Protection Board-$15,000**
  Implement goals from their existing Farmland Protection Plan including researching and studying tax assessments between Delaware County towns, research tax abatement programs in other counties, and report findings and policy recommendations to the Board of Supervisors, town leaders, farmers, and communities of Delaware County.

Agritourism Grants Program

This competitive grant program provides funds for the development, implementation or expansion of projects or activities which will promote New York State food and agriculture through agritourism. Since the program's inception, 93 projects have been funded with $2,085,137. Best practices include:

- **Martinelli-Slocum Publishing (Dutchess County) - $50,000**
  Produce a special 16-page agri-tourism section in the *Amtrak New York by Rail* magazine.
- **Escapemaker.com (Kings County) - $50,000**
  Produce a series of 4 webisodes highlighting agri-tourism destinations across New York State. One of the webisodes was awarded an Emmy at the National Academy of Television Arts & Sciences Ceremony in 2010.
- **Seneca Falls Development Corp (Seneca County) - $45,049**
  Develop a Seneca Falls Wine Touring Shuttle Bus to allow visitors access to up to seven of Seneca County's 27 Finger Lakes Wineries in one day.
- **Flying Pigs Farm (Washington County) - $49,977**
  Develop and implement the "Farm Camp for Food Professionals Pilot Program," which will bring New York City chefs, restaurant owners, restaurant managers, and national food writers based in NYC to Upstate farms.

Agricultural Worker Certification

The Agricultural Workforce Certification Program (AWCP) is a collaborative effort between the Department of Agriculture and Markets, State University of New York, and the Cornell College of Agriculture and Life Sciences. The program assists New York farmers with the recruitment, training and placement of agricultural employees. The AWCP provides training for individuals with no farm work experience as well as skills upgrades for those already employed on a farm. The training program usually involves 15 to 30 students, takes place on a col-

lege campus or Cooperative Extension office, and is between 30 and 40 hours in length, with half classroom training and half "hands on" training. Examples of best practices include:

- **Dairy Calf & Heifer Raisers Training (Chautauqua County) - $5,000**
  Training was requested by dairy producers to train current and new employees on raising healthy and profitable calves and heifers. Training included on-farm presentations and discussions, as well as hands-on activities. Topics included health, nutrition, hoof care, grazing management, facilities, and the cost of raising heifers.

- **Certified Arborist Training (Dutchess County) – $5,000**
  This training program allowed participants to become ISA (International Society of Arboriculture) Certified Arborists, a designation widely recognized by members of the commercial green industry and private consumers, indicating a level of competence and commitment. Topics covered include safety, tree preservation, and hazard tree assessment.

- **Field Crop Management (Oneida County) - $4,500**
  One of this program's objectives was to enhance grower skills related to field crop equipment set-up, maintenance, and operation to improve production and harvest of field crops. Programs included hands-on training with equipment, various presentations, and workshops.

Specialty Crop Block Grant (SCBG) Program

Secured and administered $2.96 million in federal funds to support Department programs and enhance the competitiveness of the State's specialty crops industry. Department programs that have been supported in part or whole by SCBG funds include: Pride of New York "Buy Local" Cooperative Advertising Program, Good Agricultural Practices (GAP) Education and Certification Assistance Program, Marketing and Promotion of Regional "Buy Local" Campaigns, Pride of New York "Buy Local" Wholesale/Retail Promotion Program, the New York Food and Farm On-line Directory, the Organic Program, and the Farm to School Program. In order to efficiently distribute the funds to best meet the industry's most significant needs and opportunities, the Department developed and administered a competitive grant program, which was implemented in 2009 and 2010. To ensure a broad range of participation from all sectors of New York's specialty crop industry and to gather input regarding stakeholders' diverse needs and priorities, the Department developed and executed a multi-pronged outreach strategy, which included a public comment period. In addition, the Department formed a Specialty Crop Block Grant Advisory Committee, which was made up of industry individuals

with expertise in a wide range of specialty crop commodities and subject areas. As a result of the SCBG competitive grants program, in 2009 $902,892 was awarded to ten projects and in 2010 $835,000 was awarded to twelve projects. Examples of best practices are:

- **Johnston's Honeybee Farm - $57,025**
  Demonstrate a system whereby Northeast beekeepers can produce bees for restocking hives, make mite-resistant bees more available to beekeepers, and begin a cooperative program among a group of beekeepers and breeders to develop bees more resistant to the latest diseases affecting the industry.

- **Cornell University - $90,672**
  In order to achieve more consistent wine quality, this project will determine the impact of three annual cover crops planted directly under the vine and root pruning on, vine size and wine quality including extensive examination of vine growth and physiology, a full descriptive analysis of wine sensory characteristics, and the associated production costs. Results and recommendations from the study will be disseminated to growers through several avenues.

- **New York State Maple Producers - $40,070**
  This initiative is intended to expand the existing web presence of the NYS Maple Producers Association to become an interactive site, offering increased usability for producers and the public. In addition, online tools will be developed, such as collection of email addresses, promotional coupons, enhanced education such as buyers guides to increase consumers knowledge of the maple industry.

Healthy Food/Healthy Communities Initiative

The Department successfully collaborated with ESDC in establishing the Healthy Food Healthy Communities Initiative. The New York State Healthy Food/Healthy Communities Initiative is an innovative program administered jointly by the Department of Agriculture and Markets and Empire State Development Corporation (ESDC) providing capital in the form of grants and loans to increase the number of healthy food markets in underserved communities across New York State. The Initiative was created in response to the rising concern over the lack of access to affordable, nutritious, fresh food in underserved communities. The statewide program will meet the financing needs of market operators that plan to operate in underserved communities where infrastructure costs and credit needs cannot be met using solely private market financing. The program is administered through a contract between ESDC and the Low Income Investment Fund.

Council on the Arts

The New York State Council on the Arts (NYSCA) is a grantmaking agency charged with growing the role of arts and culture in communities across the State and maintaining New York's position as a major cultural center. The nation's first state arts council, NYSCA has a 50 year history of service to New York's cultural community, and to the State as a whole.

Direct Grantmaking

The core work of the Council is its grantmaking. NYSCA awards an average of more than 2,400 grants each year through one of 14 discipline-based funding programs: Architecture, Planning and Design (which includes funding for Facilities); Arts Education; Dance; Electronic Media and Film; Folk Arts; Individual Artists; Literature; Museum; Music; Presenting; Special Arts Services; State and Local Partnerships; Theatre; and Visual Arts.

Cultural Blueprints

In partnership with the Empire State Development Corporation (ESD) and NYSCA's Decentralization Sites (see "Decentralization" below), NYSCA launched the Cultural Blueprints initiative in 2008. Based on ESD's Regional Blueprints process, Cultural Blueprints marked a major effort by the Council to strengthen communities at a regional level by engaging the cultural community at large. Cultural Blueprints brought artists and cultural organizations together with elected officials, funders, and public and private stakeholders in a series of day-long public forums. A total of 9 forums were held in Upstate New York, in the Hudson Valley, and on Long Island.

Each Cultural Blueprints forum was designed to spark cross-sector conversations that lead to a clear articulation of the region's strengths and opportunities, a statement of key priorities for NYSCA, and the identification of regional and statewide arts-based growth strategies. Participants were guided to identify actionable next steps, which along with summaries of the major points of each discussion, were posted on the Cultural Blueprints website (http://www.culturalblueprints.co.cc).

Many organizations have reported taking important steps toward achieving regional goals identified in the Cultural Blueprints sessions:

Capital Region

NYSCA recently worked in conjunction with partners at the Empire State Development Corporation (ESD) and the Arts Center of the Capital Region to develop a survey in an effort to gain more complete information about the region's cul-

tural vitality. The results of the survey are being analyzed and will be used in the coming years to inform marketing campaigns designed to attract employers and visitors, and to calculate the economic impact of arts in the Capital Region.

Central New York

Now a fast-growing movement in Central New York, the Arts Covenant was born at the "Blueprints" session held in Syracuse. Initiated by a participant and organized with the support of cultural leaders in the region, the Arts Covenant calls upon the citizens of Central New York to support the local economy and the area's cultural community by pledging to keep a series of commitments over the course of a year, including purchasing art from local artists and making an effort to experience diverse cultural offerings.

Long Island

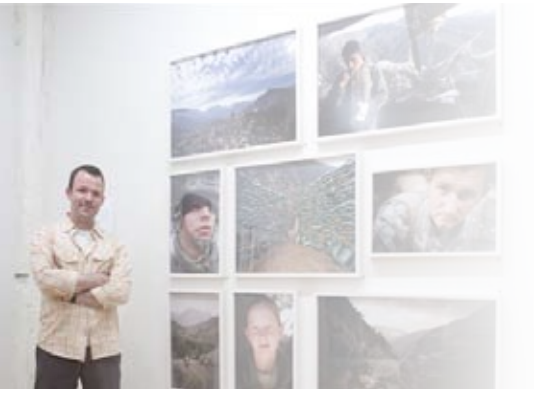
The Long Island Community Foundation (LICF) is leading an effort to bring together the Long Island Regional Planning Board and other stakeholders to ensure that the arts are part of regional planning efforts. Following meetings with NYSCA staff, the LICF established an arts fund, initially capitalized at $100,000, for projects that emphasize the potential of the arts in regional economic and community development. In addition, the LICF will undertake a study to measure the impact of Long Island's non-profit community on the regional economy. LICF will fund the portion of the study that relates to the arts. In October 2010, the LICF held a meeting of more than a dozen regional arts leaders to announce the new study and enlist the arts community's participation in the collection of the data needed to ensure the value of the study.

North Country

Representatives from the St. Regis Mohawk Reservation Department of Cultural Development attended the Cultural Blueprints session in Potsdam, NY. Since then, they have formed a partnership with the St. Lawrence County Arts Council to develop more opportunities for exchange between Native artists and the community to expand tourism on and off the reservation. To help facilitate this collaboration, a representative from Mohawk has been appointed to the Board of the St. Lawrence Arts Council.

Decentralization

NYSCA's Decentralization Program distributes funding to more than 1,500 organizations each year through a network of Local Arts Councils around the State. These Local Arts Councils (called Decentralization Sites) regrant NYSCA funds according to a review process modeled on NYSCA's own. Decentralization grants are generally smaller grants than NYSCA's direct grants ($2,500 or less) and serve



as an important catalyst to arts and cultural activity at the local level by supporting local emerging artists and community-focused work.

Partnership with the New York Council of Nonprofits

In 2010, NYSCA launched a partnership with the New York Council of Nonprofits, Inc. (NYCON) designed to help New York State arts organizations weather the recession by strengthening their managerial and organizational capacity. Under the partnership, all NYSCA grantees receive a no-cost membership in NYCON. This membership allows immediate access to an array of free trainings, organizational development tools and templates, cost saving group purchasing programs, employee benefits, liability insurance, and affordable legal, financial, governance and other organizational technical assistance. In addition, NYCON provides, upon referral from NYSCA, additional technical assistance, consultation and customized training directly to grantees.

The Banking Department

Banking Development District Program

The Banking Development District Program (BDD) was designed to encourage the establishment of bank branches in areas across New York State with a demonstrated need for banking services. The program is administered by the New York State Banking Department in collaboration with the New York State Office of the State Comptroller. The program was created in recognition of the fact that banks play an important part in promoting individual wealth, community development, and revitalization:

- Banks are a source of capital for local businesses, which promotes job creation;
- Banks are a source of capital for mortgages, which increases home ownership and allows home improvement;
- Banks provide services that allow individuals to cash checks, pay bills, and transmit money more cheaply than other types of financial institutions, such as check cashers; and
- Banks help people create wealth through savings programs and other banking services.

A total of thirty-nine districts have been designated since the program was first established in 1998, resulting in at least seven communities now able to access local banking services where none existed before. Moreover, BDD branches are required to provide affordable products and services to their BDD communities. Some of the products/services these branches provide include:

- Second chance checking/savings accounts: allows an individual who previously held a bank account but had the account closed due to unpaid overdraft fees, or some other non-fraudulent activity, to open a new account, with some restrictions.
- Enhanced basic banking account: provides a checking account with features that are lower in cost and/or provides more services for the consumer than the statutorily required basic banking account that applies to all state chartered banks.
- Low cost remittance products
- Remote capture services: allows a tenant of a NYCHA apartment to make rent payments at the branch.

- Bank at Work program: the branch partners with local businesses to offer the employees banking services at work.
- Financial Education services: nearly all BDD branches provide some form of financial education and beginning September 2011, all existing and any new BDD branches will be *required* to provide financial education. Some of the programs that have been offered include:
  - ✓ Technical assistance to small businesses
  - ✓ Financing for small businesses
  - ✓ Basic banking workshops
  - ✓ Budgeting and Planning classes
  - ✓ Workshops on how to use credit wisely
  - ✓ Foreclosure prevention workshops
  - ✓ First time homebuyer workshops
- Second look program: providing small businesses that do not qualify for traditional financing an opportunity to obtain a loan through alternative financing from the bank's community development partners.
- Job creation: several branches have hired residents of the BDD as full-time employees in the branch to better serve the community.

Overall, the BDD program plays an important role in meeting the banking needs of the unbanked and underbanked, as well as, providing growth opportunities for local businesses.

As a best practice, we encourage the BDD branches to partner with community groups and businesses to serve the community because the groups already have established relationships with the community residents and/or businesses, and can help community members get over the "trust" problem many have with banks. Some examples of these working partnerships include:

1. Amalgamated Bank's Bronx BDD branch has partnered with BronxWorks in a VITA (Volunteer Income tax Assistance) site initiative. BronxWorks assists individuals seeking free tax preparation assistance while bank personnel help the individuals open a bank account in order to receive their tax refunds electronically and quickly. In 2010, the bank helped 40 previously unbanked residents open an affordable checking or savings account.

2. Amalgamated Bank's Brooklyn BDD branch partnered with Bedford Stuyvesant Restoration Corporation to provide local small business owners with information on "business finance basics."

3. Ridgewood Savings Bank's Bronx BDD branch co-hosted a "Back-to-School Night" with P.S. 93 to get students interested in saving. The branch opened 55 student savings account at the event with total deposits of $2,838.

4. Savannah Bank's Cayuga County BDD branch partnered with the Port Bryon Senior Center to discuss the benefits of direct deposit with seniors. Of the 15 people in attendance, three opened accounts allowing them to receive their Social Security and other government benefits safely.

5. Carver FSB's Harlem BDD partnered with local businesses to bring banking services to those business' employees. Carver's Bank at Work program benefits the employees by providing special banking benefits (e.g., maintenance fee free checking accounts, free account transfer services, etc.); benefits the bank by adding depositors, and benefits the employer by reducing the amount of time their employees need to spend at a bank.

NYS Canal Corporation

The Canal Corporation is the steward of the 524-mile New York State Canal System. Throughout history the canal has produced dramatic economic growth for our state and the nation, creating an inland trade route and propelling industrial development. Today the Erie, Champlain, Oswego and Cayuga-Seneca canals have evolved into a major tourism destination and a new recreational resource for the people of New York.

The Canal Corporation supports regional and state-wide economic development with a Canal Marketing program, the Canalway Trail Initiative, the federal Marine Highway program and financial and technical assistance to canal projects throughout the corridor. In partnership with the Regional Economic Development Councils, the Canal Corporation is committed to a program of strategic investment in local and regional canal facilities. We are confident that enhancement of this great waterway and the communities built around it will create new and exciting business and job opportunities for upstate New York.

Canal Corporation staff is available to assist with local and regional canal development projects including but not limited to Canalway trail development, commercial shipping, motorized and non-motorized boating enhancements, community canal projects, and promotion of canal events.

Canalway Grants Program

The $1.5 million Canalway Grants Program authorized by the Canal Corporation Board at its May 2011 Meeting will fund promotion, land trail, interpretive, educational and community infrastructure projects along the New York State Canal System. The authorization includes $1 million to fund a competitive grants program and $517,000 to fund grants to state agencies for canal related educational and interpretive capital projects. Funding awards will be coordinated with Regional Council project priorities. The competitive matching grants program is available to municipalities and 501-c(3) not-for-profit organizations for projects consistent with the Regional Economic Development Council objectives and the NYS Canal Recreationway Plan. The minimum award will be $50,000 and the maximum award will be $150,000.

There will be four categories of grant funding considered under this program:

Development & Tourism Promotion

Projects for the development of Canal or municipal public parks, park improvements, parking facilities at sites on or related to one of the four canals of the Canal System (Erie, Champlain, Oswego and Cayuga-Seneca), improvements to or

restoration of historic canal vessels, structures or sites, programming related to historic canal vessels, structures or sites, Canal tourism-related facilities or structures, including but not limited to permanent, interpretive, informational kiosks, and permanent signs designed to promote sites or facilities related to one of the four canals of the Canal System.

Canalway Land Trail

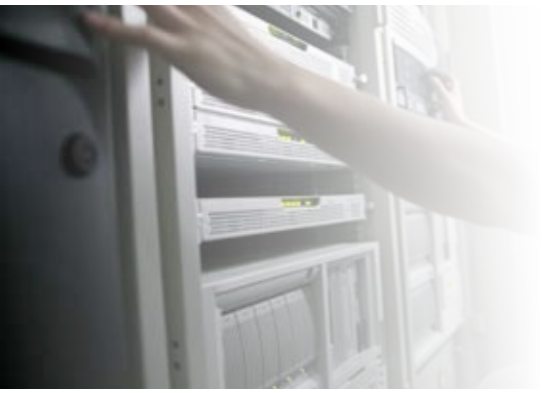
Projects to continue the construction or enhancement of the Canalway Trail, as outlined in the 1995 Canal Recreationway Plan. Projects must be located along one of the four canals of the Canal System (Erie, Champlain, Oswego and Cayuga-Seneca) or may be trail linkages or connections to existing Canalway Trail segments.

Canal Community Infrastructure Projects

Projects designed to restore, develop and expand the infrastructure along the Canal for the benefit of local communities. Priority projects will include improved amenities for cyclists and boaters, including connectivity (wi-fi) amenities, repair or rehabilitation of existing docking infrastructure, and other canalside capital improvements.

Canal Heritage Education and Interpretation Capital Projects

$517,000 will be made available to state agencies through the Canalway Grants program to fund canal related interpretive and educational capital projects consistent with the Regional Economic Development Council objectives and the NYS Canal Recreationway Plan. Eligible projects will demonstrate an in-depth ability to promote, raise awareness, and educate the public about the history of the NYS Canal System.



Chief Information Officer/Office for Technology

The Office of the Chief Information Officer/Office for Technology (CIO/OFT) not only provides computing and technology infrastructure to support many state agencies it manages the Online Permit Assistance and Licensing (OPAL) program that often serves as the first step in starting or expanding a business.

Business Permit Assistance Program

CIO/OFT's Business Permit Assistance (BPA) program is a resource that helps prospective business owners determine the New York State permits and licenses they would need to operate a business here in New York. Established in 1978 as the Office for Business Permits, the BPA mission has evolved to its current state, which is to provide information and assistance to individuals and smaller businesses wishing to open or expand a business in New York State.

The BPA program operates an application, Online Permit Assistance and Licensing (OPAL), by which customers can:

- File online for 50 different business requirements, including Certificates of Incorporation, Articles of Organization, and Certificates of Authority to Collect Sales Tax;
- Create information packets tailored to their specific business activities, covering more than 1200 different permits, certificates and licenses; and
- Apply for their Federal Employer Identification Number (FEIN).

In addition, the BPA program operates a Customer Call Center from 8:45 until 4:45 on weekdays, where customers can speak to representatives about various business requirements and the status of their online applications, and request information and other resources.

The BPA program has made great strides over the past years, resulting in better services both to prospective business owners, as well as partner government entities. In the past five years alone:

- Recently, OPAL processed its one-millionth online transaction.
- The number of online applications has grown from just under 27,000 annually to 78,500.
- New York State became the first state to partner with the IRS to enable prospective business owners to apply for a Federal Employer Identification Number (FEIN) via a State website. Applicants using this feature can apply for both the FEIN and NYS Certificate of Authority to Collect Sales Tax in the same session.

- The BPA program partnered with the NYS Department of Taxation and Finance (DTF) to fully automate DTF's Certificate of Authority to Collect Sales Tax, which reduced the processing time for this application from 4-6 weeks, to 1-2 days. DTF encourages its applicants to use the OPAL online application and estimates 80 percent of its applicants use this method.
- The BPA program collaborated with New York City on NYC's Business Express interactive website, which provides online services to manage business-related interactions with New York City. The BPA team provided NYS licensing information, as well as advice on NYC's business logic to help applicants find City and State licensing requirements for their business in one place.
- The BPA program streamlined informational services available via the OPAL website, enabling prospective business owners to print, email or save on their personal computers customized information packets without waiting for them to arrive in the mail. This improvement enabled them to receive the information much faster, in a manner that facilitated their use, as well as reduced mailing and printing costs by more than 75 percent annually.
- Regulatory provisions allow applicants to submit additional fees to request expedited handling of Certificates of Incorporation and Limited Liability Corporations. Partnering with NYS Department of State representatives, BPA staff amended OPAL processes to triage these requests to help ensure expedited applications meet established deadlines.
- The OPAL application now uses web services to automate the exchange of information with the NYS Department of Labor, enabling expedited processing time, eliminating the need for printing and data entry, and has resulted in a reduction of paper as well as application errors.
- The Empire State Development Corporation (ESDC) recently launched a new website, entitled New York First, which serves as a one-stop shop for information on New York State's economic development programs and resources. Not only did the BPA team serve as a resource for ESDC's website, the BPA team also partnered with ESDC to direct OPAL users to economic development opportunities available via ESDC.

Broadband Strategic Roadmap

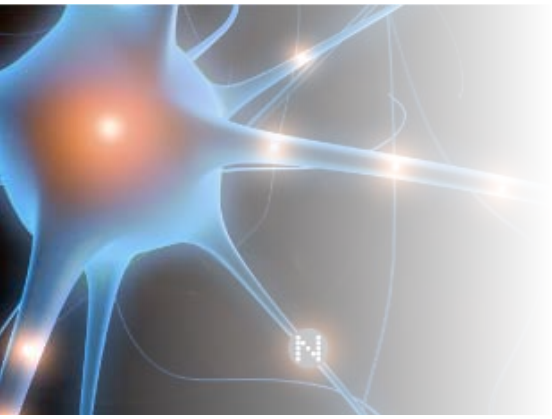
Broadband Internet access has fast become an important utility, and New York's Broadband Strategic Roadmap paves the way for every New Yorker to have access to affordable broadband service to take full advantage of the economic, social and cultural opportunities living in a "connected" community provides. Through

strong collaborative public/private partnerships, New York State is creating an environment across the state that fosters innovation, life-long learning, and economic growth with greater use of technology.

Broadband is vital to improve the economic competitiveness of New York State. Extending high-speed Internet access to the unserved and underserved, urban and rural communities will spur regional economies by interconnecting to the global economy. Innovation and access to communities around the world is essential to economic growth, job creation, and our state's competitiveness. Broadband is the key to that innovation and access. The academic and research prowess in New York must embrace deployment of the most advanced broadband systems if New York State hopes to retain existing companies and recruit new ones. Many companies indicate broadband service is as important as conventional infrastructure, such as water and sewer, when deciding to locate or relocate a business.

It is estimated that for every $1 million granted for broadband development, 50 jobs would be created. New York stands to gain approximately 8,250 jobs. Research indicates even a modest increase in broadband adoption has a positive economic impact. According to a study published by Connected Nation1, a 7% increase in broadband adoption would create 2.4 million jobs across the U.S; would save $662 million in health-care costs; and save $6.4 billion in vehicle mileage, among other savings. The report estimated that New York would stand to gain nearly 148,000 jobs and a nearly $10 billion total in economic impact with such an increase in broadband adoption.

Many communities, businesses and residents are burdened from being unserved or underserved, making broadband deployment a local and regional infrastructure issue. States and the federal government realize broadband is critical to achieve and sustain a competitive position in the emerging digital economy.



City University of New York

The City University of New York (CUNY), the preeminent urban system of public higher education in the country is a major catalyst of economic development in New York City and New York State. Through innovative research and commercialization efforts, career and job training, entrepreneurial initiatives, and direct services to employers, CUNY spurs the growth of industry and business across the metropolitan area. CUNY helps New York meet the challenges of building and sustaining a 21st century economy. University research is clearly one of the most important pathways toward economic development. Research in basic and applied science is expanding across CUNY, and this research is situated within a global context that focuses on interdisciplinary involvement, international collaboration, and industry partnerships. Several key research, economic development, and workforce development enterprises that are under way across the University are described below to provide an overview of the scope and reach of CUNY's extensive efforts.

Research and Technology Projects

Advanced Science Research Center

Under the umbrella of CUNY's Decade of Science initiative, begun in 2005, the University is attracting world-class researchers to its campuses, supporting Ph.D. students, and building and upgrading science facilities at several colleges. Central to this capital effort is the construction of the Advanced Science Research Center, which will be in operation in 2014. This new center facilitates the highest quality research in photonics, nanoscience, structural biology, neuroscience, and water and environmental sciences.

CUNY Energy Institute

The CUNY Energy Institute, headquartered at the City College of CUNY, was established in 2008 to aggregate and develop interdisciplinary programs focusing on national energy needs. Collaborators include various U.S. universities and the Brookhaven National Laboratory. At the CUNY Energy Institute, faculty research and develop advanced sustainable energy technologies with low-carbon footprints to reduce oil imports, increase efficiency, and maximize the utilization of domestic energy resources. The Energy Institute endeavors to diversify and strengthen the state and national economies through research, education, and mentorship of the next generation of top-quality energy scientists and engineers. There is a strong emphasis on entrepreneurship: the institute aims to nurture start-up companies in order to manufacture and market commercial products based upon its research.

Over the last two years, the institute, led by Sanjoy Banerjee, and Daniel Steingart, has raised close to $20 million in funding, including over $10 million from federal sources, over $7 million in State funding (NYSERDA) and approximately $1 million from private foundations and industrial matching. Federal funding includes two grants from the Advanced Research Project Agency for Energy (ARPA-e), a new, cutting-edge agency launched through the American Recovery and Reinvestment Act (ARRA). The CUNY Energy Institute supports over 30 Ph.D. students, and has created 20 new knowledge-based jobs in New York. The institute is also working with the Kaylie Entrepreneurship Program ($3 million endowed). It is anticipated that the technology developed by the institute will lead to several viable commercial enterprises (two are in the planning stages), and will result in hundreds of future employment opportunities in the New York City area. For more information visit: http://www.cuny.edu/site/energy.html.

Faculty Commercialization and Entrepreneurial Activities

Phoebus Optoelectronics

Phoebus Optoelectronics was founded in 2003 to transition and commercialize technologies developed by David Crouse and researchers at the Metamaterials Research Laboratory at CUNY's City College. Phoebus has received over $5 million in funding from a variety of sources, including SBIR/STTR grants, other government grants (NASA, Missile Defense Agency, Defense Advanced Research Project Agency, and National Science Foundation), and industrial contracts. Phoebus, which is located in downtown Manhattan, recently added three engineers to its team, bringing the staff to six full-time employees. The company performs two-thirds of the research and development (R&D) tasks in house and subcontracts to CUNY the remaining third. Phoebus is currently developing advanced solar cells, hydrogen-generating and methanol-generating devices, bio-sensors, chemical sensors, and infrared imaging systems. Phoebus has partnerships with numerous government agencies and large defense companies and is in discussion with several sets of venture capitalists for a large investment.

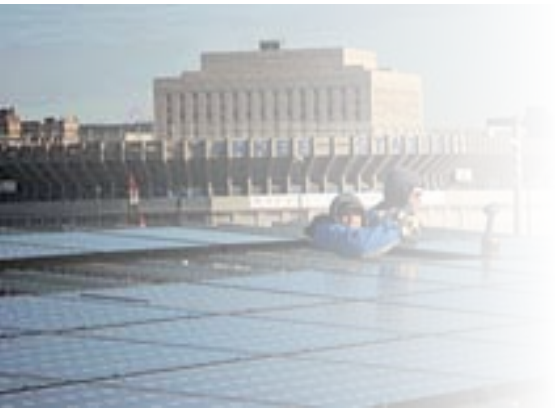
Hybrid Photonics

Professor Vinod Menons of Queens College, hired in 2004 through CUNY's "cluster hiring" initiative is founder and chief technology officer of Hybrid Photonics LLC, an electro-optical technology company based in Greenvale, New York. This company is developing a new type of optical memory relying on optical bistability in coupled micro resonators. The company has received Phase I and II STTR funding from the Air Force Office of Scientific Research and is now developing prototype optical memories.

Neuromatters LLC

Lucas Parra, professor of biomedical engineering at CUNY's City College is one of the co-founders of Neuromatters LLC and serves as the chairman of the Scientific Advisory Board for the company. Neuromatters has been awarded a $2.4 million by the Defense Advanced Research Projects Agency (DARPA) to develop a prototype of a novel brain-computer interface image triage system, termed C3Vision TM.

Innovative Economic Development Partnerships



Sustainable CUNY

Led by the "Sustainable CUNY" initiative, the *New York City Solar America City Partnership* (comprised of the Mayor's Office of Long Term Planning and Sustainability, the New York City Economic Development Corporation, and CUNY) was developed to reduce barriers to the use of solar energy throughout NYC, support the installation of 8.1MW of PV by 2015, and create a long-term solar plan that will encourage widespread solar adoption throughout the city. Recent studies have estimated that New York's existing buildings could host between 6,000 and 8,000 megawatts of solar power—enough to supply over 20 percent of the city's current electricity demand—but technical and financial barriers remain. Large-scale development of solar energy in NYC would also reduce air pollution, decrease greenhouse gas emissions, create green-collar jobs, and lower the risk of future blackouts by helping to reduce demand for electricity on New York City's grid. The partnership recently secured $1 million in funding from the U.S. Department of Energy to support the NYC Smart Solar City Initiatives, which includes the Solar Map. The Solar Map collects Light Detection Ranging (LIDAR) data and was launched June 2011.

A key component of the Sustainable Works Commercialization Center will be its ability to prototype and showcase new and emerging technologies in a state-of-the-art facility. The commercialization program is designed to raise visibility, engage the public and private sectors, encourage investments and commercialization, and create a climate for adopting new technology. CUNY Sustainable Works will also provide opportunities for CUNY researchers and their partners to test and commercialize their applied research. The new facility will be approximately 40,000 square feet; roughly half will be flexible workspace that allows technology developers to prototype, test, and showcase technology within the New York City market. To support technology commercialization, a large open area has been reserved for bench testing and small open assembly. The facility will be designed and constructed as an intelligent building, to model best practices and state-of-the-art technologies. It will house a scaled demonstration site and sustainability showcase for clean energy technologies, and will allow researchers to give market-

ready technologies the opportunity to grow to commercial scale. The facility will meet sustainability requirements while enabling high profile scaled pilot projects and demonstrations.

Sustainable Works Commercialization Center Program

The CUNY Sustainable Works Commercialization Program and its investment fund, together with two unique facilities, has been strategically designed to play a key role in leading new CUNY, city, state, national, and international sustainable and clean technology initiatives into the marketplace. CUNY Sustainable Works brings together and utilizes the expertise of innovators, university researchers, entrepreneurs, and business experts—including members of the Sustainable Business Leaders Advisory Board. The board's 30 NYC leaders, representing government, academia, unions, industry, and utilities, are working together to address the challenges of integrating sustainability into the city's economic development, workforce development, and infrastructure. Within this business ecosystem, Sustainable Works NYC actively works with partners to identify market-ready technologies that are suited to fast-track integration through the CUNY Sustainable Works Collaboration Center.

The CUNY Sustainable Works Collaboration Center

Located at Borough of Manhattan Community College in the heart of downtown Manhattan (75 Park Place), the center offers conference facilities and 2,000 square feet of office space in the financial district, just blocks away from City Hall. State-of-the-art electronics provides virtual conferencing ability that will include live web feeds capable of demonstrating technology in the CUNY Sustainable Works Commercialization Center in the Bronx. The Collaboration Center will function as a virtual kiosk for partners to view innovations from around the conference table in Manhattan or from around the globe.

CUNY Sustainable Works Commercialization Center

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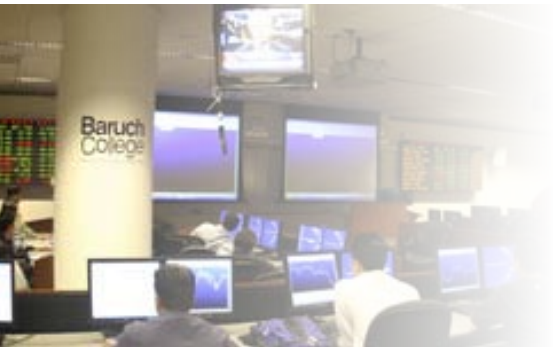
Green Energy Training

The City University of New York historically has trained the workers that keep New York City running. Green Energy Training at CUNY (GET@CUNY), co-ordinated through the Center for Sustainable Energy, is now training the green-collar workers who can continue to help keep the city running both efficiently and with renewable energy. The GET@CUNY training locations include: Bronx Community College, Borough of Manhattan Community College, Kingsborough Community College, LaGuardia Community College, and Medgar Evers College.

As the nation's largest urban university, CUNY has committed itself to environmentally sustainable practices in every aspect of its operations, from renewable energy use, to renovation and retrofitting of current facilities, to procurement of equipment and supplies. Developing and offering education and training programs for individuals, unions, employers, and other organizations is an important component of that commitment. No single institution offers the depth and scope of knowledge in so many sustainability-related fields, nor the capacity to offer programs related to each of these fields to such a broad range of audiences.

GET@CUNY offers training courses related to energy efficiency, building retrofitting, and renewable energy technologies. GET@CUNY also develops new training courses, and makes them available as credit and non-credit modules at multiple CUNY campuses and partner locations. Some of these courses will also be offered as distance learning courses.

Economic Development/Business Focus



Baruch College – Zicklin School of Business Economic Development Centers
The Lawrence N. Field Center For Entrepreneurship

The Field center was founded in 1993 as the Small Business Lab, with a grant from the CUNY Workforce Development Initiative and support from Baruch College's Zicklin School of Business, to assist 100-150 New York City residents in starting businesses. Over 400 clients were served in the first year alone. In 1998, the center was named after Lawrence N. Field in appreciation for his generous contribution.

Since its inception, the center's role as an engine for economic impact has been substantial: over 10,000 clients have been served; over $83.4 million in debt and equity financing has been secured; and over 1,600 jobs have been saved and 2,000 created. In addition, more than 10,000 persons have attended 417 different training workshops in such topics as management, marketing, e-commerce, business plan development, advertising, franchising and home-based businesses.

The Field Center is a unique model for entrepreneurship that brings together faculty, students, and business development advisors.

Subotnick Trading Floor Subotnick Financial Center

In March 2000, the Zicklin School opened the Subotnick Financial Services Center, an exciting state-of-the-art instructional facility that integrates hands-on financial services practice into the business curriculum. Its centerpiece is the Bert W. and Sandra Wasserman Trading Floor, a fully equipped, simulated trading environment featuring 42 high-end networked computer workstations, continuous live data feeds, real-time market quotes, and computerized trading models. Actual market technology is used to teach students about markets and financial services—valuable experience for graduates seeking leading positions in the financial, banking, or accounting services industries. The center also features a 60-seat seminar room and a 25-seat development lab. Users can access, collect, and analyze live market data for stocks, bonds, currencies, and commodities, build portfolios and trade in a simulated environment, apply quantitative methods to real market information, and study and analyze market relationships.

City College Grove School of Engineering

The new Entrepreneurship Program at the City College of New York was formed in 2010 to leverage the capabilities and rich history of the Grove School of Engineering while introducing New York City to a West Coast model of garage-based research and development. CUNY is receiving $3 million in funding from alumnus Harvey Kaylie (1960) to endow the Kaylie Prize for Entrepreneurship and build a dedicated InnoLab for student entrepreneurs. Winners of the Kaylie Prize will receive financial support and housing while they work over the summer to turn their ideas into successful business start-ups. Microsoft was founded as a result of a very similar program.

Work Force Development Programs

Workforce 1 Healthcare Career Center

Located at LaGuardia Community College, the center is funded by the New York City Department of Small Business Services and the city's Center for Economic Opportunity. The center offers comprehensive support services to recent gradu-

ates as well as mid-career professionals. In the center's first year of operation, 83% of students completed their training. The center expects that over 1,000 New Yorker's will be placed in jobs, or receive promotions within the health care industry, during its first two years of operation.

Hostos Allied Health Career Pipeline Program

Through a grant from the U.S. Department of Health and Human Services, Hostos Community College has developed a program to help low-income New Yorkers gain careers in the allied health professions. Over the five-year project period, the Hostos Allied Health Pipeline program will train over 900 public assistance recipients and low-income individuals to become community health workers, patient care technicians, pharmacy technicians, and certified nurse assistants. The program will provide comprehensive support for career advancement including examination preparation, career-focused internships, job placement, and job retention assistance.

Jefferson Houses Jobs-Plus

Launched by Hostos Community College, the Jefferson Houses Jobs-Plus program offers job counseling, placement and support to help residents of public housing increase their earned income. The program focuses on employment-related services, financial incentives to help residents retain their earnings (including Earned Income Tax Credit workshops), and community support. Based on this site's initial success, the White House Social Innovation Fund is supporting expansion of the program to four additional sites in NYC and other cities.

The Build a Garden in Brooklyn Project

Being launched this spring, and with curriculum to be offered in Fall 2011, the Build a Garden in Brooklyn program, developed by Kingsborough Community College, will be the first large-scale urban farm in the city. Programs offered in conjunction with the farm will serve local food businesses, students in hospitality management and culinary arts, and local schools. http://www.nypost.com/f/print/news/local/brooklyn/love_it_locavores_bklyn_campus_to_qqDhPVOTRxB9QvwlteXUTJ

CUNY Small Business Development Centers (SBDC)

Six CUNY colleges host New York State Small Business Development centers on their campuses, offering business counseling and training to New Yorkers in all five boroughs of New York City. In addition, CUNY campuses partner with business, industry, and private foundations to assist small business development in local communities. Specific activities at four CUNY colleges are highlighted below.

College of Staten Island

The Small Business Development Center at the College of Staten (CSI) Island helps clients discover sources of funding and obtain loans, develop business plans,

devise business strategies, control cash flow, and market successfully. Businesses also receive assistance to help them comply with licensing and regulatory requirements, assess the viability of an invention, and identify avenues for exporting goods and services.

Nearly 50% of the businesses that have been helped by the center are minority-owned, and half of the businesses served have been owned and operated by women. For example, in 2008 the three sisters, who own the French Twist salon, Annabelle Bracco, Kathy Quadrato, and Rose Orlino, sought the center's advice. SBDC counselors helped them to develop a business plan enabling them to secure commercial funding. Since then the size of the salon has doubled.

In these difficult economic times, the Center has experienced a substantial increase in the number of clients requesting help. In fiscal 2008-2009, there was a 40% increase over the preceding year in the number of clients seeking SBDC services.

Of the 24 Small Business Development Centers throughout New York State, the center at CSI has been able to obtain the most ARC (America's Recovery Capital) loans for its clients, through various Small Business Administration-approved commercial lending sources.

Goldman Sachs 10,000 Small Businesses (10KSB)
LaGuardia Community College

LaGuardia Community College has partnered with the Goldman Sachs 10,000 Small Businesses initiative to help small businesses in the greater New York City metropolitan region to grow and create jobs. The initiative enables small business owners to access a dynamic combination of coursework, business advising, and support services to help them grow their firms. Through grant support from the Goldman Sachs Foundation, LaGuardia Community College will be able to provide participants with full scholarships covering both tuition and program materials.

NY Designs

The mission of NY Designs is to grow design firms. The center focuses on businesses in a variety of design fields: architecture and interior design; fashion, jewelry and craft design; lighting, industrial and furniture design; and graphic and product design. It offers business courses and counseling, studio space rental, and pay-as-you-go prototype workshops to help companies grow and succeed.

The Procurement Technical Assistance Center (PTAC)

The LaGuardia Procurement Technical Assistance Center is a small business assistance program that was established in 1999 through a cost sharing Cooperative Agreement between LaGuardia Community College and the Defense Logistics Agency, U. S. Department of Defense. It assists Queens and other New York City firms market their goods and services to the federal, state, and local governments.

The center offers procurement technical assistance and training workshops to meet the needs of small, minority, and women business owners throughout the New York metropolitan area.

Small Business Transportation Resource Center (SBTRC)

LaGuardia Community College's Division of Adult and Continuing Education is the new home of the northeast region's Small Business Transportation Resource Center (SBTRC), a program funded through a cooperative agreement with the Office of Small and Disadvantaged Business Utilization of the U.S. Department of Transportation (DOT). The program provides small businesses, especially those qualifying as disadvantaged businesses or owned by minorities, women, and service-disabled veterans, with a wide range of services and information to increase and improve their participation in federal, state and local DOT contracts and subcontracts.

New York City College of Technology Small Business Development Center (SBCD) Veterans' Business Outreach Center (VBOC)

The New York City VBOC at New York City Tech provides a dedicated business advisor to target training, counseling, and mentoring for veterans. The program has committed special resources to helping veterans and their families. More than 200 veterans have received business counseling though the program.

Organization of Latino Entrepreneurs (Olé)

The Organization of Latino Entrepreneurs is Hispanic-focused initiative developed for state SBDCs. Hosted and managed at New York City Tech, Olé is dedicated to developing resources to support Latino business owners or aspiring entrepreneurs through one-on-one management assistance and educational programs. Olé was a finalist for the Excellence in Community Development Award given by University Economic Development Association, the premier national organization focusing on the nexus between higher education institutions and economic development partners.

SBCD Success Story: Biomedical Management Corporation

Dr. George Falus is dedicated to the advancement of biomedical research in the field of inflammation, coagulation, and tissue regeneration with commercial and military applications. He is the President and CEO of Biomedical Management Corporation, an 8(a) certified R&D company established in 1999 and based at SUNY Downstate Biotech Center in Brooklyn. Biomedical supports advances in biomedical research and health related service. The company developed ClotFoam, a technology used in laparoscopic procedures as a hemostatic sealant; its application significantly decreases patient recovery time. The product is used by the military in combat situations.

Dr. Falus approached the Brooklyn SBDC at New York City Tech for technical and financing assistance with an expensive short-term loan that was creating a cash flow problem for the company. Business advisor Miriam Colon discussed with Dr. Falus options for refinancing the loan and creating more working capital for the business. She helped him put together a comprehensive loan package, which was submitted to Park Avenue Bank. Park Avenue Bank approved the loan application within a week and recommended that the client obtain a line of credit for future capital needs. A $35,000 line of credit was used to refinance the existing loan, thereby providing working capital for everyday operations. Currently Biomedical Management Corp employs 14 people including scientists and lecturers.

York College Small Business Development Center

In addition to the SBDC, York College also developed an innovative three-department partnership with Turner Construction to offer an advanced certificate program in construction management. Together, York's School of Business, SBDC, and the Lifelong Learning Program created a 154-hour certificate program for people with practical knowledge of the construction industry, from small contractors planning career changes after retirement to professionals in other fields looking for new career paths. Practitioners from Turner Construction and York College, who specialize in small business, teach the courses. Students who successfully complete the program qualify for up to nine credits towards a York College degree in business.

Office of Cyber Security

As an Office within the Division of Homeland Security and Emergency Services, the core missions of the Office of Cyber Security (OCS) are to protect the State's cyber security infrastructure and to provide statewide coordination of policies, standards, and programs relating to geographic information systems (GIS). In support of these core missions, OCS monitors the State's networks for malicious cyber activities; provides cyber incident response; develops and evaluates compliance with statewide cyber security policies; implements statewide cyber security training for state and local governments; coordinates statewide GIS initiatives, including policy and standards development, an annual program to capture digital orthoimagery, and a streets and address data improvement program; and maintains a critical infrastructure application that supports the State's emergency response and other critical programs.

A number of the activities undertaken by OCS are of significant benefit to the broader community, including:

Broadband Mapping

OCS is participating in a nationwide initiative funded through the National Telecommunications and Information Administration, to map the availability of broadband (high-speed) Internet service across New York State. The process involves collecting, verifying, mapping and analyzing data obtained from each of the companies that offers broadband service to New York State customers. The results of this project help policy makers in their efforts to increase the use and availability of broadband for all New York State residents and business owners. Broadband service availability is depicted on our online, interactive NYS Broadband Map. Visitors to the site are able to query the map by street address to discover the types of broadband services available at any New York State location, with accompanying provider contact information. Details at: http://www.broadbandmap.ny.gov/.

GIS Coordination Program

The GIS Coordination Program helps ensure that all levels of government have access to the core, shared resources needed to use GIS. GIS can be used to create a map for the user on demand; in its more complex form, it becomes a database with millions of pieces of data that are related geographically and can be displayed in a format chosen by the user to make complex interrelationships visually understandable. GIS supports mission critical applications such as emergency response planning, business development, real property tax administration, transportation planning and operations, wildlife and natural resource analysis, and public health planning and analysis.

OCS manages the GIS program with advice and assistance from representatives of all levels of government, academia, and the private sector. These representatives participate in the GIS Coordinating Body and a variety of workgroups. The centralized coordination provided by OCS maximizes the potential that stakeholders can take advantage of GIS at the lowest aggregate cost. New York State is nationally recognized as having one of the most advanced statewide GIS coordination programs.

Details at: www.nysgis.state.ny.us/coordinationprogram/.

Orthoimagery Program

Orthoimagery is aerial photography with inherent distortions removed which has been carefully referenced to the surface of the earth. All features that can be seen from the air can be accurately mapped using orthoimagery as a reference. Orthoimagery is widely used in a variety of activities, including economic development, emergency management, and environmental impact assessments. OCS administers the State's orthoimagery program, re-flying a portion of the state each year. Local governments and other agencies are welcome to partner in the program to upgrade imagery to higher specifications. The public is welcome to view and download orthoimagery and this photography is incorporated in many commercial on-line mapping web sites.

Details at: www.nysgis.state.ny.us/gateway/mg/.

GIS Conferences

OCS, with the NYS GIS Association, annually co-sponsors the NYS Geospatial Summit, a one-day, all-plenary event featuring nationally renowned speakers on emerging topics in the geospatial field. The event provides attendees an opportunity to learn about the direction that the geospatial industry is going as well as how it is helping to shape the world. Event details at www.nygeosummit.org.

In addition, OCS, with the State University of New York College of Environmental Science and Forestry and the NYS GIS Association, assists in the annual New York State GIS Conference. This conference consistently draws more than 350 attendees from various sectors of government, business and academia and provides those attendees with an opportunity to meet fellow New Yorkers active in the GIS field, exchange information and real experience, and seek solutions to geographic data management needs. Event details at: www.esf.edu/nysgisconf/.

Annual NYS Cyber Security Conference

The Annual New York State Cyber Security Conference is held once a year over a two-day period in Albany. More than 1,000 registrants attend the event comprising State and local government, academia, and the public and private sector. The

Annual NYS Cyber Security Conference is co-hosted by OCS, the New York State Forum, Inc., and the University at Albany's School of Business and College of Computing and Information. The event offers more than 50 sessions, both technical and non-technical, conducted by experts representing government, academia and industry from across the country and around the world. This conference provides crucial training that enables the workforce to stay attuned to cyber security threats and effectively meet the challenges we face. Event details: www.dhses.ny.gov/ocs/awareness-training-events/conference/2011

Cyber Security Awareness Resources

OCS makes a wide variety of resources available to help public officers and employees, business people, and individuals understand important cyber security issues. These include the following:

- cyber security training and awareness videos for business mangers and home users;
- non-technical guides on topics such as getting started, firewalls, acceptable use, and risk management;
- national webcasts;
- daily security tips; and
- monthly cyber daily tips

Details at: www.dhses.ny.gov/ocs/awareness-training-events.

October Cyber Security Awareness Month

Awareness Month highlights the importance of empowering citizens, businesses, government, and schools to improve their cyber security preparedness. This year's theme is focused on "our shared responsibility" to address cyber security. In this digital age, we are all connected; the actions of one can impact many. Thus, it is essential that each of us understands our important role in securing cyberspace.

As part of the October Cyber Security Awareness Month campaign, OCS highlights include the following:

- Kids Safe Online Poster Contest
- Cyber Security Awareness Month Webcast
- Cyber Security Toolkit
- Governor's Proclamation
- Training Opportunities

Details at: www.dhses.ny.gov/ocs/awareness-training-events/events/2010/index.cfm.

Dormitory Authority

DASNY: We Finance, We Build, We Deliver

Created in 1944, the Dormitory Authority of the State of New York (DASNY) is one of the top public finance and construction authorities in the nation, and a proven leader in the areas of sustainability and diversity. Our dedication to sustainable building is supported by expertise, training and our own experiences in optimizing energy savings in our own offices.

DASNY's innovative programs to increase diversity in its procurements are being used as a model by other State entities. The involvement of Executive staff in gubernatorial Minority and Women Business Enterprises (MWBE) task forces has created the opportunity for DASNY to not only create new programs in support of those efforts, but to offer insights into their results.

Despite the unprecedented pressure on State finances due to the economic recession, the Dormitory Authority had a record year in 2010 in construction, maintained our outstanding leadership and reputation in public finance and achieved new heights in diversity and sustainability. We expect to continue those achievements in the future.

DASNY's Tax-Exempt Financing Programs

DASNY's financial services provide access to low-cost capital to eligible institutions for various construction, and improvement projects while also safeguarding the public interest with thorough due diligence. DASNY clients are approved by the State Legislature and include higher education, hospitals and health care facilities, public school districts and a variety of non-profit institutions. The Authority issues its tax-exempt and occasionally taxable obligations which sell at a favorable rate based on the excellent reputation of Dormitory Bonds. Loan payments made by borrowing institutions are used to pay principal and interest on the Dormitory Authority obligations sold to investors. Unless part of a larger pooled financing, the Authority's lending services are most cost effective for projects greater than $5,000,000.

In Fiscal Year 2010, the Authority issued more than $7.1 billion in tax-exempt bonds ending the fiscal year with an outstanding portfolio of bonds and notes of approximately $41.8 billion. These financings supported a wide array of State programs and institutions, including the State University of New York, City University of New York, and Mental Health Services Facilities, as well as the Authority's portfolio of private, not-for-profit institutions. Among those institutions are North Shore-Long Island Jewish Health System, Memorial Sloan Kettering Cancer

Center, Mount Sinai School of Medicine, New York University, Cornell University, Rockefeller University, University of Rochester, and Columbia University.

Tax-Exempt Leasing Program

The Authority's Tax-Exempt Leasing Program (TELP) is one of the largest of its kind in the nation. Since the program's inception, DASNY has helped clients secure more than 370 leases to finance more than $2.1 billion in equipment including; MRIs, CT scanners, computer systems, energy efficiency, and other high-tech equipment. TELP provides an average saving of 10 percent of annual lease costs compared to taxable rates.

Under this Program, a commercial lender retains the role of lessor while DASNY functions as a tax-exempt lessee. The Authority subleases the equipment to the client institution, whose rental payments are assigned to the lending source. Since the lender does not pay federal, state or local taxes on the interest portions of the lease payments, the lease interest rate is lowered to reflect the full tax savings.

As a result of new legislation, qualified institutions will now also be able to use the Tax-Exempt Leasing Program to finance not only computers and other equipment, but the information technology software and other systems needed to run the equipment. Although there is no limit to the dollar amount of equipment that may be leased, TELP is most cost effective for leases greater than $1,000,000.

DASNY Construction and Procurement Programs

DASNY continues to be one of the major public construction entities in the nation, not only building for the public, but safeguarding the public interest. DASNY offers a full range of design and construction project management services, acting as the customer's agent to protect their interests during the pre-design, design and construction phases of a project. As a State Authority, DASNY also strictly monitors the process for adherence to all State regulations and goals.

DASNY's construction-related services include planning, budgeting, scheduling design review, code enforcement, asbestos abatement and environmental management, procurement and construction project management services for various customers and building types. DASNY provides these services for higher education facilities, hospital and nursing homes, dormitories, municipal facility buildings, specialize community housing and other public facilities.

DASNY customers may choose between full and modified construction service projects. Full service projects are those where DASNY procures and holds the various construction contracts, manages the design professional's activities, coordinates all the construction/trades and frequently purchases the interior furnish-

ings. In addition, DASNY provides on-site representation through its Field Representatives and office support at the site. Modified service projects are similar in nature in terms of design and construction management; however DASNY does not procure the consultants and contractors and does not hold their contracts.

Through its architects, engineers, construction project managers and field representatives, DASNY is able to manage the pre-design, design and construction phases of a project. They are supported by other units within DASNY's Construction Division including Code Enforcement, Environmental Services, Commissioning, Procurement and Project Controls which work together to deliver a successful project.

DASNY projects completed in 2010 range from a million dollar project installing personal assistance systems at the Pilgrim Psychiatric Center to a $137 million new administrative, athletic and academic building at Brooklyn College. Other projects completed during the year include renovations and new building for the Albany Public Libraries, work at City College School of Architecture, the landmark Roosevelt House at Hunter College, Rockland Children's Psychiatric Center, dormitory projects at SUNY Binghamton, Oneonta, and Cortland and the construction of a new lab at the Center of Excellence in Bioinformatics at the Cold Spring Harbor Laboratory.

Major construction projects continue at the City University of New York's Fiterman Hall, John Jay College, Medgar Evers College, Lehman and Queens Colleges. DASNY is also building major projects for the New York City Health and Hospitals Corporation, the Office of Mental Hygiene, New York City Courts and SUNY campuses all over the state.

Sustainability Required

Each major DASNY project is required to register for Leadership in Energy and Environmental Design (LEED) status with a minimum goal of LEED Silver. For Fiscal Year 2010, the DASNY project at Binghamton University was added to the Princeton Review's Green Rating Honor Roll. In addition, SUNY Oswego was recently recognized for its LEED Gold town house student residence project. DASNY's offices at 515 Broadway in Albany achieved an Energy Star rating of 92 in 2011, due to aggressive monitoring of energy use and innovative efforts to reduce energy consumption.

Opportunity Programs Group – Construction Services

DASNY offers a variety of programs and services to enhance opportunities and

provide support for minority and women business enterprises (MWBEs), in compliance with guidance from Governor Andrew Cuomo, which include:

- Strategically placing Opportunity Programs Groups (OPG) within DASNY, so that contracts cannot be awarded or closed-out without OPG concurrence.
- OPG management reporting directly to Executive Management within DASNY.
- Notifying potential bidders directly. Our Direct Notice to Bidders program informs potential MWBE primes, subcontractors, suppliers and advocacy groups regarding upcoming procurement opportunities.
- Strong contract language references MWBE participation and non-compliance.
- Participation on all professional services selection committees and procurements is mandatory.
- Events and activities for MWBE and majority firms facilitate joint venture relationships, as well as relationships between MWBE firms and DASNY staff. These include DASNY's Annual MWBE Conference, the largest such net working event in the state.
- Creating bonding opportunities. DASNY's OPG bonding (capital access program) assists MWBE firms in securing bonding/capital access in order to compete for both DASNY and non-DASNY construction projects. Ten participating firms have received bond lines in excess of $3.5 million dollars.
- Active enforcement of legal standards through investigation by DASNY's Internal Affairs unit.

Opportunity Programs Group – Financial and Professional Services

DASNY also supports MWBE programs for financial and professional services-related functions. These programs are modeled on the Construction program principles, but also include a firm's diversity practices in evaluation of all Financial and Professional Services Procurements. We have created a database with over a thousand MWBE financial and professional firms that can be notified directly when there is a procurement opportunity in their sector.

Our experience has taught us that there are four basic components to a strong MWBE Program in Financial and Professional Services, strategies we have implemented with gratifying results:

- Pre-RFP Issuance Best Practices
- Outreach
- Encouraging Joint Ventures
- Evaluation of Services

Real Property Services

DASNY has traditionally offered Real Property Services to the Office of Mental Health, Office for People With Developmental Disabilities and Office of Alcoholism and Substance Abuse Services and has worked with those agencies to help locate and evaluate suitable properties, negotiate purchases or leases, and monitor or coordinate project development, as well as facilitate the disposition of surplus State property.

Grant Programs

DASNY has a 14-year history of efficient, effective grant administration for New York State. As of FY 2010, we received 6,044 grant requests totaling $6,839,631,167 under 20 different programs related to economic development, education and community improvement.

The breadth of DASNY's experience working with a number of State entities on different types of grant programs—discretionary, formula-based, and competitive—together with the ability to utilize our bond proceeds to finance approved grants makes the Dormitory Authority uniquely qualified to assist with the development and implementation of programs to increase economic activity in New York State.

While DASNY's specific responsibilities vary for each program, they generally include:

- A legal review, including verification of site control, tax matters, and a determination that the grant is eligible for financing under the implementing legislation;
- An environmental review as required by the State Environmental Quality Review Act and the State Historic Preservation Act;
- A financial review to verify that grantees have sufficient funds to complete the approved grant funded project;
- A due diligence review to ascertain whether any factors exist that the State should be aware of prior to the disbursement of grant proceeds;
- An audit of each payment request to verify that the grant funds are being utilized for approved purposes.

Economic Development Grant Programs Administered By The Dormitory Authority

Community Enhancement Facilities Assistance Program (CEFAP)
Strategic Investment Program (SIP)
Community Capital Assistance Program (CCAP)
Rebuilding the Empire State Through Opportunities in Regional Economies (RE-STORE)
Generating Employment Through New York Science (Gen*NY*sis)
New York Economic Development Program (NYEDP)
New York Economic Development Capital Program (NYEDCP)
New York State Technology and Development Program (NYS TAD)
New York State Regional Economic Development Program (NYS RED)
New York State Capital Assistance Program (NYS CAP)
New York State Economic Development Assistance Program (NYS EDAP)

Grant Programs Administered With Other State Agencies Or Entities

Multi-Modal Program (DOT)
Higher Education Capital Matching Grant Program (HECap) (DASNY staff acts as staff to the HECap Board).
Health Care Efficiency and Affordability Law of New Yorkers (HEAL-NY) Capital Grant Program (DOH)
Expanding Our Children's Education and Learning Program (EXCEL) (SED)
Public Library Construction Program (SED)
Childcare Facilities Development Program (OCFS)
New York State Science, Technology, and Academic Research (NYSTAR)
Public Broadcasting Facilities Assistance Program (SED)
Local Enhanced Wireless 911 Grant Program (Department of State)

Office of Emergency Management

New York State Office of Emergency Management (OEM), which is responsible for coordinating the activities of all State agencies to protect New York's communities, the State's economic well-being, and the environment from natural and man-made disasters and emergencies. OEM routinely assists local governments, voluntary organizations, and private industry through a variety of emergency management programs including hazard identification, loss prevention, planning, training, operational response to emergencies, technical support, and disaster recovery assistance.

OEM administers two programs that total more than $5.7 billion in federal dollars. These programs ensure local, county, state and federal government provides comprehensive, coordinated efforts in disaster assistance, recovery and mitigation. Currently, there are twenty-six open disaster grants.

The program areas are described in more detail below along with the effects they have had on communities or jurisdictions.

Hazard Mitigation Grant Programs

Mitigation involves long-term actions taken to protect lives and reduce the impact of disasters on the built environment (i.e., roads, bridges, buildings). The Hazard Mitigation Grant Program (HMGP) was created to assist states and communities in implementing long-term hazard mitigation measures following a major disaster declaration. The objective of the HMGP is to prevent future losses of lives and property due to disasters and to enable mitigation measures to be implemented during the immediate recovery from a federally declared disaster. There are four mitigation grant programs under the umbrella, "Unified Hazard Mitigation Assistance (HMA) Program." These include the Flood Mitigation Assistance (FMA) Program, the Pre-Disaster Mitigation (PDM) Program, the Repetitive Flood Claims (RFC) Program and the Severe Repetitive Loss (SRL) Program.

Allegany County

In the Town of Belfast, the Genesee River was experiencing severe stream bank erosion, which became accelerated by spring and summer floods and ice flows. The meandering channel started threatening State Routes 19 and 305, and the Belfast Area Business Park. The channel's migration continued in the Town of Amity, threatening State Route 19, the Western New York and Pennsylvania Railroad, four private residences, two high-producing gas wells, one business, and a barn.

Knowing time was of the essence, the Allegany County Soil & Water Conservation District submitted applications to the State Emergency Management Office (SEMO) under the HMGP for bank stabilization projects along the Genesee River

in both the Towns of Belfast and Amity. SEMO worked with the Allegany County Soil & Water Conservation District on the project applications, which prompted SEMO and the Federal Emergency Management Agency (FEMA) to visit the project sites. Since the project applications met all the eligibility criteria under the HMGP, SEMO submitted the applications to FEMA for its review. In the fall of 2007 FEMA approved both mitigation projects which have now been completed.

Public Assistance (406 Mitigation) Program

The Public Assistance Program is voluntary. The program's mission is to provide assistance to State, Tribal and local governments, and certain types of private nonprofit organizations in providing the opportunity for communities to respond and recover from emergencies and disasters. The Robert T. Stafford Disaster Relief and Emergency Assistance Act authorizes the President to provide such assistance. The program provides supplemental funding assistance for debris removal, emergency protective measures, and the repair, replacement, or restoration of disaster-damaged, publicly owned facilities and the facilities of those certain private nonprofit organizations. The program encourages protection of these damaged facilities from future events.

Broome County

During the summer of 2006 the area in and around Broome County was affected by flooding of historical proportions. One of the facilities directly impacted by the flooding was the Union Endicott High School located in the Village of Endicott. The damage to the school building was extensive and included damage to the main building and the gymnasium. Shortly after the event, the State of New York was successful in obtaining a Major Disaster Declaration granted by the President allowing for federal funds to be used in the recovery process.

FEMA along with the New York State Office of Emergency Management (NYSOEM) partnered to provide assistance to this applicant. FEMA and NYSOEM worked with the school district to not only repair the damages, but to also include an additional mitigation measure to minimize the effects of future events on the facility.

Delaware County

During the same flooding event in 2006, the Town of Colchester in Delaware County suffered significant damage to one of their culverts and roads. The culvert and road was damaged beyond repair and needed to be replaced. Representatives from FEMA, NYSOEM and the county developed a plan to replace the culvert and road and to return the facility to its pre-disaster function. The project also required the construction of a temporary structure in order to maintain residential and emergency traffic during the construction of the replacement structure. This project also included a mitigation measure to protect the site from future events.

Empire State Development

Empire State Development's mission is to promote growth and business investment leading to job creation and prosperous communities across New York State. ESD works in partnership with the private sector and with public partners to create an economically competitive environment that rewards innovation and spurs growth. ESD helps all businesses – existing and new, small and large, traditional industries and emerging markets – to become more competitive and successful.

Technical Assistance

ESD's professional staff throughout New York share their expertise with businesses on a wide range of topics. ESD helps businesses identify and reach their business goals – whether it's creating a start-up business or expanding or improving an existing business. We consult and provide one-on-one technical assistance in areas including:

- Manufacturing competitiveness: working with manufacturers to streamline their production processes, reduce waste and energy costs, and improve productivity
- Market expansion: identifying and connecting with new markets across regional, state, and international borders
- Accessing State contracts: helping small businesses and MWBEs navigate the state procurement process
- Environmental ombudsman services: ESD provides free and confidential assistance to firms regarding compliance with environmental regulations
- MWBE certification: certifying Minority- and Women-Owned Business Enterprises for preference in public contracting
- Business marketing services: ESD can help regions identify and promote their competitive advantages to key audiences for business expansion and attraction, including crafting messages and presentations, creating collateral material from newsletters to web-based presence, and developing marketing plans and strategies.

Connecting to Capital

Minority and Women-Owned Business Development Lending Program

ESD has capitalized loan pools totaling $3.5 million among 15 community-based economic development organizations across New York. These funds make available working capital loans and fixed asset loans to certified Minority- and Women-Owned Business Enterprises. For a list of current organizations, see: http://esd.ny.gov/BusinessPrograms/Data/MWBE/MWBERevolvingLoan-ContactOrganizations.pdf

Community Development Finance Institutions

ESD provides support to 28 financial institutions throughout New York, which in turn provide micro-loans to small businesses that may not qualify for traditional bank loans as well as one-on-one counseling and business development assistance to improve applicants' credit-worthiness. For a list of current CDFIs, see: http://www.empire.state.ny.us/BusinessPrograms/Data/CDFI/CDFIcontacts.pdf

Small Business Revolving Loan Fund

This $50 million fund supports 20 lending organizations throughout the State in making both micro-loans and regular loans to small and medium-sized businesses having difficulty accessing regular credit markets. For a list of current SBRLF lenders, see: http://www.empire.state.ny.us/SmallBusiness/Data/SmBusinessLoanProvidersCorresponding.pdf

State Small Business Credit Initiative

The Federal Small Business Jobs Act of 2010 created the State Small Business Credit Initiative (SSBCI), a $1.5 billion program to support new or existing capital access programs for small businesses. New York state is eligible for $55.4 million.

Pursuant to the federal dollars available under the SSBCI, Governor Cuomo signed legislation that authorizes the use of funds for three programs:

- **Capital Access Program** provides loan portfolio insurance to financial institutions to stimulate new lending to small businesses.
- **Innovate NY Fund** is a new statewide fund that will invest in a seed-stage, high growth businesses through regionally focused investment mangers.
- **New York Bonding Guarantee Assistance Program** will provide collateral support to help small and minority and women-owned businesses secure bonding for government contracting opportunities.

Linked Deposit Program

This program helps existing New York State firms obtain reduced-rate financing

to improve their competitiveness, market access and product development; to modernize their equipment or expand their facilities for productivity growth or to introduce new technologies; to facilitate ownership transition; and to promote job creation and/or retention. This public-private partnership provides businesses with affordable capital based on bank loans at reduced interest rates.

Tourism Promotion

Travel and tourism is one of the State's most important industries, reaching into every region and every county. ESD markets New York as a tourist destination, licenses the I LOVE NY logo, and operates the www.iloveny.com website. Specific areas of assistance that ESD staff may be able to provide include:

- Connecting firms in the hospitality industry with regional marketing efforts being undertaken by ESD-supported Tourism Promotion Agencies.
- Conducting sales missions, familiarization tours, educational seminars, and sales calls, all of which can include or be targeted to specific regional priorities.
- Highlighting regional assets in I LOVE NY advertising campaigns or on the www.iloveny.com website.
- Providing startup guidance and technical assistance to new and expanding firms in the travel and hospitality industry, as well as providing market analyses and information on industry trends.
- Identifying programs, advertising, promotions and best practices that are successful at stimulating travel and tourism -- both in a particular New York region as well as from targeted out-of-state and international regions.

International

New York State is at the heart of the largest and richest consumer market in the world. ESD maintains a network of professional staff throughout New York State and internationally that is dedicated to helping businesses engage in the global marketplace in order to grow, create jobs and prosper in New York State. Specific areas of assistance include:

- Export Counseling and Education is available to improve skills of NYS exporters and to provide insight about global market opportunities to New York firms. Export assistance is offered both statewide and through regional offices, often in collaboration with

industry associations, regionally-based organizations, and federal and state agency partners. ESD staff can help firms and trade associations determine export-readiness, conduct marketing studies, and design and implement export strategies.

- Export Marketing Assistance Service helps NYS businesses locate suitable importers, distributors and agents for their products and services in Japan, Canada, Mexico, Brazil, Chile, Israel, Southern Africa, and European countries. EMAS uses ESD's international offices and market research resources to develop customized lists of potential overseas sales representatives.
- Trade shows and trade missions are a cost-effective way for participating NYS companies to promote their products and services overseas. Firms can benefit from group pricing, assistance in preparing for market outreach, customized meetings with potential buyers at the events, and additional promotional efforts. ESD often partners with regional organizations, trade associations and other agencies to expand the trade show and mission options for NYS firms.
- International Offices: ESD maintains a presence in key world markets in South America, Europe, Asia, Africa – as well as two offices in Canada, New York's largest trading partner. These offices provide market research and support to NYS firms seeking new and expanded overseas export market opportunities; they also promote the State internationally for both tourism and business investment.

Entrepreneurs

Entrepreneurialism underlies a dynamic and healthy economy; encouraging startup businesses and maximizing their potential for success is a fundamental part of economic development. ESD supports entrepreneurs and business creation through several programs, particularly through the Entrepreneurial Assistance Program. This network of 24 Entrepreneurial Assistance Centers provides instruction, training, technical assistance, and support services to individuals who are considering starting or have just started a new business. For the list of EACs receiving ESD assistance, see: http://esd.ny.gov/BusinessPrograms/Data/EAP/MASTER_EAP_CENTER_LIST_021411.pdf

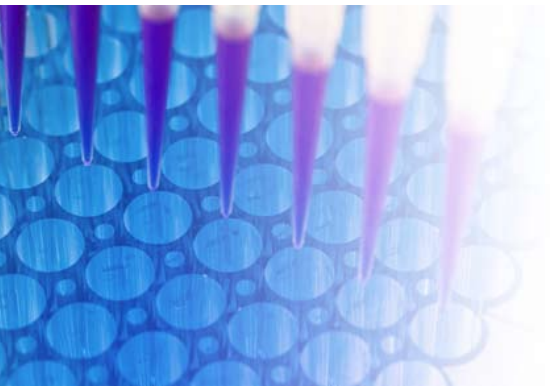
Commercialization and Research & Development

ESD operates several programs that link New York's world-class research universities and academic centers with economic growth. ESD works to integrate

these economic development efforts by advancing technology development and commercialization initiatives and supporting regional providers of assistance. Three distinct networks have been particularly effective in delivering high-quality technical assistance to research- and technology-based ventures across New York: Centers of Excellence, Centers for Advanced Technology, and Regional Technology Development Centers.

Centers of Excellence

Centers of Excellence foster collaboration between the academic research community and the business sector to develop and commercialize new products and technologies, to promote critical private sector investment in emerging high technology fields, and to create and expand technology-related businesses and employment. The six COEs are tied to university research centers but are linked to local industry concentrations through significant private-sector financial and operational involvement. The six COEs are Center of Excellence in Nanoelectronics and Nanotechnology (Albany), Center of Excellence in Small Scale Systems Integration and Packaging (Binghamton), Center of Excellence in Bioinformatics and Life Sciences (Buffalo), Smart System Technology & Commercialization Center (Greater Rochester), Center of Excellence in Wireless and Information Technology (Stony Brook), and Center of Excellence in Environmental and Energy Systems (Syracuse).



- **Kinex Pharmaceuticals** is a locally-owned for-profit drug development company located in Buffalo, NY. Co-location at the University of Buffalo Center Of Excellence (UB COE) created the opportunity for business collaborations that have helped to re-capture business in New York, such as clinical trials contracts now being conducted in New York through another firm located in the UB COE. Kinex has been able to leverage both the University of Buffalo Center for Advanced Technology (UB CAT) and UB COE resources to advance through phase 2 clinical trials on its first oncology drug, resulting in the creation of 11 high-paying jobs, $15 million in private investment, and use of more New York-based vendors to support their business, thus growing related companies. The UB COE clean-room facilities have made it possible for Kinex to manufacture and store its clinical trial drug supply onsite with its office and lab operations, which has yielded $250,000 in cost savings. Furthermore, Kinex conducts its trials with Roswell Park Cancer Institute, a partner institution also co-located at UB COE.

Centers for Advanced Technology

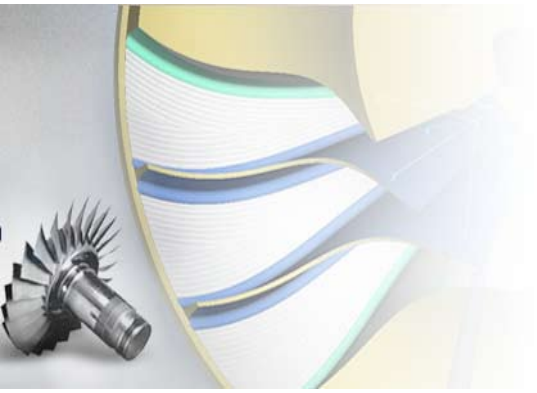
The CAT program supports 15 university-industry collaborative research and technology transfer programs. Each CAT acts as an entry point for businesses developing new or improved technology-related products in particular commercially viable technologies. Each CAT is designated in a specific high technology area, ranging from Life Sciences, Materials & Materials Processing, Computer Science, Optics & Sensors, Electronic Devices & Telecommunications, Nanotechnology & Semiconductors and Energy Systems.

Regional Technology Development Centers

Ten regional RTDCs are non-profit organizations whose mission is to help small- and medium-sized manufacturers and emerging technology companies improve their competitiveness and increase market share. The RTDCs assist manufacturers become more competitive by modernizing equipment and processes, incorporating new technologies, developing new products, and improving their productivity. RTDCs share a common commitment to providing direct, strategic assistance to companies in the areas of entrepreneurship, technology commercialization, product development, high-tech business incubator management and technology transfer services.

- **BullEx, Inc.** of Troy was co-founded by three engineers in 2005 and now has 64 employees and sells its products in 45 counties. The Capital District RTDC helped BullEx in its early stages with a wide range of business assistance, including marketing, product line optimization, trainings, and demonstrations of its Intelligent Training System and other simulated fire/emergency response training environments.
- **Freeze-Dry Foods** in Albion has been serving many of the world's leading food companies for 40 years with over 50 employees in Orleans County. Working with the Finger Lakes RTDC, Freeze-Dry Foods was awarded a $40,000 National Grid grant to increase capacity at the Albion, NY facility while saving over $135,000 in 2010 alone. Using the Eureka process, Freeze-Dry Foods increased output by 40% without any capital expenditures, creating potential increased sales worth $1.2 million in profit.
- **Hoosier Magnetics** in Ogdensburg employs 27 people to manufacture strontium hexaferrite, used for commercial, industrial and military applications. Hoosier employs a clinker cooling process that consists of four enclosed cooling screws which uses non contact water as the cooling agent. Working with the North Country RTDC and the New York State Pollution Prevention

Institute, Hoosier was able to convert its water-based cooling system to an air-cooling system, resulting in annual savings of: 63 million gallons of water, 372,000 KWH of electricity, 200,000 therms of gas, and $90,000 in maintenance costs.



- **TECT Power**, in Whitesboro, was recognized for its substantial reduction in hazardous waste after working with the RTDC in Mohawk Valley. The company makes turbine blades. As part of the process, the blades go through an acid bath so that the final millimeters of metal are milled to meet extremely stringent standards. MVATC's project was to find a way to extend the life of the acid bath. Through the project, the hazardous waste generated from TECT Power's titanium blade manufacturing process was reduced by nearly 50%, resulting in a 60% cost reduction in hazardous waste disposal costs. Quality was improved, worker safety was improved, and less hazardous waste was generated.

Tax Credits

Excelsior Jobs Program

The Excelsior Jobs Program provides tax credits to companies in targeted industries that are investing and creating jobs in New York State. Targeted industries include biotechnology, clean technology, and financial services as well as traditional New York sectors such as agriculture and manufacturing.

- **General Motors Components Holdings**: Recognizing the value of New York's talented and dedicated workforce, General Motors is investing $100 million in its Rochester plant to manufacture a new fuel injection product line. The investment will allow the production of energy-efficient Spark Ignition Direct Injection (SIDI) technology at the plant for GM's 2013 model year Gen-V truck engines, which are built in Tonawanda. This investment secures the jobs of hundreds of employees and creates an additional 30 jobs. The Rochester plant won the project over a sister plant in the Midwest due in part to ESD's support: a $3 million capital grant and $1.8 million in Excelsior benefits.

Economic Transformation and Facility Redevelopment Program

The Economic Transformation and Facility Redevelopment Program will provide support for the redevelopment of communities affected by prison and youth facility closures through five new fully refundable tax credits to new businesses that locate near or at the location of a closed facility.

Eligible businesses must commit to creating at least five net new jobs and new capital investments is an Economic Transformation Area that will be geographically limited to a certain radius of each closed facility.

Eligible businesses must apply to one of ten ESD regional offices depending upon which economic transformation area an eligible business will be locating.

If approved, a business will be issued a certificate of eligibility by the commissioner of economic development to participate in the Program. Businesses would then apply to the Tax Department to claim tax credits when filing tax returns.

Film Tax

New York State has a series of tax credits available for certain production and post-production expenditures associated with filming in New York.

New Market Tax Credits

ESD currently has a $30 million allocation of these tax credits, which can subsidize long-term capital investment that fosters job creation and community development in low-income communities. These investments can be loans or equity investments into a qualified real estate project or operating business.

Grants and Loans

As well as the wealth of technical assistance, ESD offers several types of loans and grants to provide direct financial assistance to targeted projects.

Metropolitan Economic Revitalization Fund

This fund provides loans to businesses and governments within 25 miles of the Statute of Liberty. Eligible projects are those that retain or create a significant number of private-sector jobs in economic distressed areas.

Urban and Community Development Program

UCDP provides financial assistance to businesses, local governments, and not-for-profits to encourage economic and employment opportunities and stimulate development of communities and urban areas, particularly in highly distressed communities and projects where other funding sources are not available.

New York Healthy Food & Healthy Communities Fund

HFHC is a fund designed to increase the number of food markets in underserved communities across New York by helping meet the financing needs of food markets that plan to operate in underserved communities where infrastructure costs and credit needs cannot be filled solely by conventional financial institutions.

Job Development Authority Financing

JDA can make loans to manufacturers and certain other businesses to finance a portion of the cost of acquiring, renovating, or constructing buildings or purchasing machinery & equipment.

Commercial District Revolving Loan Trust Funds

ESD has capitalized over $600,000 in five communities across New York State to make loans to small retail and commercial businesses. These can be working capital loans or fixed-asset loans. Eligible applicants are within specified areas of Rome, Norwich, Staten Island, the Bronx, and Schenectady.

Jobs Now

This program provides grants and loans for major business expansion and attractions efforts creating a minimum of 100 jobs in New York State. Grants can be provided for capital construction, workforce training, and job creation; loans are for capital construction.

Economic Development Purposes Fund

The Economic Development Purposes Fund provides financial assistance to projects that promote the economic health of New York State by facilitating the creation and/or retention of jobs or the increase of business activity in the State. The program is flexible, providing a range of assistance to businesses, municipalities, IDAs, and other economic development organizations. Funds can be used for construction, expansion and rehabilitation of facilities; acquisition of machinery and equipment; working capital; and the training of full-time permanent employees.

- **Pepsi Beverages Company (PepsiCo)** announced in March that it would keep its headquarters in Somers, New York. With a 2010 lease expiration, PepsiCo had been considering relocating to Connecticut. ESD worked with the town, county, and PBC's landlord to keep the company in Westchester at its 20-year home on One Pepsi Way. ESD will provide PepsiCo with a $4 million grant for the retention of 907 jobs and creation of 22 new jobs. PepsiCo will invest up to $9 million in the project. In addition, the Somers office will also house PepsiCo staff and contractors who support the company's beverage division.

- **Nanz Custom Hardware, Inc.** is a privately owned manufacturer of high-quality door hardware featuring unique and antique-style designs. To meet growing demand, Nanz invested $3.7 million in equipment and new manufacturing space, increasing production, achieving efficiencies, and introducing new technology to its operation. ESD offered assistance of $200,000 to offset the cost of equipment. Nanz was able to demonstrate increased production and added 33 employees to its existing workforce of 99 employees.

Environmental Investment Program

The EIP helps businesses capture the economic benefits associated with pollution prevention, waste reduction, re-use and recycling through capital funding, R&D support and technical assistance. Eligible entities are municipalities and not-for-profits partnering with business. EIP is a unique program helping New York businesses improve simultaneously the environment and their bottom line, giving these businesses a competitive edge in the marketplace.

- **Microceramics Inc.** in Elmira has successfully taken advantage of the EIP sustainable product and process technology investment area. Microceramics received an EIP award of $50,000 in February 2011 for its investment in the development of a proprietary non-polluting technology as an alternative to the conventional method of recycling tungsten from spent drill and mining bits. The conventional method relies on the use and disposal of nitric acid, sodium hydroxide, ammonia and organic amines and is very energy intensive. Microceramics' approach uses an electrochemical process in an electrolytic cell and is far less chemically and energy intensive and far less costly than the conventional means of tungsten recycling. The company considered the establishment of this operation across the border in Pennsylvania but chose New York State because of the EIP award.

- **QubicaAMF's** facility in Lowville employs 100 and provides specialty pins such as the Birthday Pin and reconditioned pins to over 53% of the global market. In 2006 , QubicaAMF upgraded its bowling pin coating technology from screen printing to pad printing, with the assistance of an EIP award of $47,932. This technology conversion has resulted in the diversion of at least 100 tons of bowling pins per year from disposal, the generation of no new VOC emissions despite the increased production, increased business income, and the avoidance of lumber expenses for the company.

Economic Transformation Program

The Economic Transformation Program was created to assist communities affected by closures of state facilities. The Office of Children and Family Services (OCFS) has announced four closures and the Department of Corrections and Community Services (DOCCS) has announced seven additional closures.

Capital Funding of $50 million is appropriated to support initiatives in communities impacted by facility closures. ESD will distribute funds in consultation with Regional Councils and impacted communities in order to best use the Program to promote economic development initiatives to transform the economies of the affected communities.

Energy Research and Development Authority

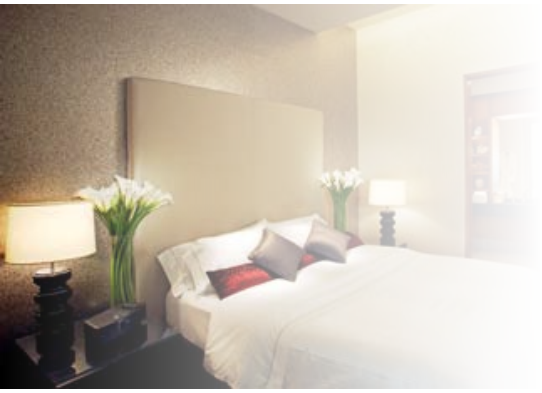
The New York State Energy Research and Development Authority (NYSERDA) offers objective information and analysis, innovative programs, technical expertise and funding to help New Yorkers increase energy efficiency, save money, use renewable energy and reduce their reliance on fossil fuels. NYSERDA professionals work to protect our environment and create clean-energy jobs. A public benefit corporation, NYSERDA has been developing partnerships to advance innovative energy solutions in New York since 1975.

NYSERDA's programs and services provide a vehicle for the State to work collaboratively with businesses, academia, industry, the federal government, environmental community, public interest groups, and energy market participants. Through these collaborations, NYSERDA seeks to develop a diversified energy supply portfolio, improve market mechanisms, and facilitate the introduction and adoption of advanced technologies that will help New Yorkers plan for and respond to uncertainties in the energy markets.

Some examples of NYSERDA programs and projects include:

New Construction Program/Existing Facilities Program

The Westin Hotel at Times Square



The property managers at one of New York City's premier hotels, the Westin Hotel at Times Square, not only understand the importance of guest services and comfort, but also the importance of energy efficiency. The managers of this 820,000 sq. ft. 45-story prism first partnered with NYSERDA by taking part in the New Construction Program, through which they received technical assistance focused on assessing opportunities to improve the overall energy efficiency of the building. (The New Construction Program provides technical and financial assistance to companies incorporating energy-efficiency measures into the design, construction, and operation of new and substantially renovated buildings. These measures are designed to save energy through reduced electric demand, thereby lowering building operating costs.)

NYSERDA's Focus on Hospitality initiative continues to support the property's conservation efforts by providing energy benchmarking services and assisting with the application process for incentives to help offset the cost of purchasing high efficiency NEMA Premium motors. The hotel's engineering staff is committed to working with NYSERDA's Business Partners for Motors Program to assess additional opportunities for motor efficiency improvements and to create a motor management plan that will help reduce operating and energy costs.

Energy analyses and recommendations provided to the Westin Times Square included: variable speed drives on chilled water pumps, cooling tower fans, and air handlers; two 500-ton, two-stage, gas-fired absorption chillers; and new motors for the cooling tower, air handler, and the domestic water system pump. These energy conservation efforts resulted in the following incentives, and cost and energy savings:

- NYSERDA's incentive for the implementation of energy-efficient measures was over $360k through the Existing Facilities Program
- Estimated annual energy reduction of 1,915,758 kWh and summer peak demand reduction of 546 kW as a result of variable speed drive and chiller upgrades
- Recently installed NEMA Premium Motors will yield an additional nominal efficiency of 93% per measure
- Received a no-cost energy benchmark, which will be updated periodically to continuously track the facility's energy performance
- Projected annual operating savings of over $160k

Industrial Process Efficiency Program – Kodak

Eastman Kodak operates a 10,000,000 square foot manufacturing campus in Rochester, NY, that produces photographic film, ink toner, and other photo-related products to customers worldwide. The campus has two main compressed air generation plants at opposite ends of the site connected via one piping system, as well as some auxiliary compressors and various dryers scattered throughout the site. Kodak had limited control over their compressors and the compressed air generated, resulting in significant energy waste. The compressors operated independently of each other, all attempting to maintain a given system pressure, which led to excessive compressor loading/unloading cycles as well as compressor blow off and air leaks.

Through participation in NYSERDA's Industrial Process Efficiency Program, Kodak added a demand-side controller at both main generation sites which allowed them to stabilize their compressed air pressure throughout the site, both during normal operation and during sudden compressed air demand spikes. This project resulted in a significant cost and energy savings for Kodak. Highlights include:

- Kodak was able to eliminate compressed air waste by reducing artificial loads (leaks and excessive pressure) by approximately 1,500 – 2,000 SCFM.
- 0.6 MW total electric demand reduction

- Total projected annual electric savings of 5,355,067 KWh not including refrigeration savings for the intercoolers with a pay back of less than one year.
- NYSERDA awards incentives at $0.05/kWh for compressed air leaks and $0.12/kWh for all other compressed air efficiency measures, with incentives available up to 50% of project cost.
- Project cost was about $711,998, resulting in a total project incentive equal to 50% of project cost or $355,999, and an annual cost savings of $401,630.

Workforce Development Program

Northern Manhattan Improvement Corporation

NYSERDA recently formed a training partnership agreement with the Northern Manhattan Improvement Corporation (NMIC) located in the Washington Heights neighborhood of Northern Manhattan. With a $50,000 Green Jobs-Green New York award from NYSERDA, NMIC will offer a 480-hour Bridge Training and Job Readiness Program to some of the city's hardest to serve populations including, but not limited to, disadvantaged youth aged 18-24, the formerly incarcerated preparing to re-enter the workforce, and veteran populations. NMIC is a core partner with the Community Retrofit New York City (CRNYC) program which integrates economic and workforce development programming through affordable expansion loans, wage subsidies, and technical assistance to local retrofit contractors with direct links to training and employment services to low-income residents of New York City. With CRNYC targeting job creation and sustainability and the NMIC training the labor force, the partnership targets both the supply and demand sides of the building retrofit industry. The Bridge Training and Job Readiness Program is a direct feeder for CRNYC's entry-level energy efficiency employment, as well as for advanced technical training offered through the Association for Energy Affordability (AEA) and Solar One. NMIC will also coordinate with the New York State Department of Labor's Career One-Stop Centers to connect trained individuals with appropriate employers. NYSERDA funding will offset the costs associated with the venue and instruction so that 40 students may attend the program free of charge.

NYSERDA Clean Energy Business Incubator

New York City Accelerator for a Clean and Renewable Economy

Although New York City has a vibrant startup culture, nearly 70 percent of startup funding goes toward the Internet/IT sector. The city has fostered the growth of only a handful of clean tech startups in the first decade of the 21st cen-

tury, compared to the larger number of successful startups in life sciences, digital media and financial technology. Recognizing this, in 2008 NYSERDA awarded $1.5 million over four years to NYU-Polytechnic Institute to help create the New York City Accelerator for a Clean and Renewable Economy (NYC ACRE), commercialize clean energy technology and accelerate the successful development of early stage, clean tech companies in New York City. Additionally, NYSERDA has provided marketing support, branding, and promotional opportunities for the incubator and several of its tenant companies, as well as insight on the current and future climate of the clean energy market in New York.

As a result, NYC ACRE began accepting clients on July 1, 2009, and has since helped commercialize patents for three tenant companies including Synthezyme, Wind-Products and Anellotech. It has propelled tenant company, ThinkEco, from four principals to 25 full-time employees in one year. To date, NYC ACRE tenants have created more than 100 full- and part time jobs, and raised more than $8 million in external investment capital. NYC ACRE drives clean tech entrepreneurship in New York City, bringing together a number of powerful stakeholders aligned around a common vision. The incubator is committed to helping tenants meet their commercialization goals, introduce new products and services into the clean tech market, generate wealth, and ultimately, new jobs. NYC ACRE is making great strides in achieving its vision of building a thriving clean tech cluster by fostering home grown innovation and attracting established companies to New York.

Department of Environmental Conservation

Permits and State Environmental Quality Review

DEC's primary role in economic development is through its Permits and State Environmental Quality Review Act (SEQR) programs. DEC is responsible for overseeing a wide variety of different types of permits. It is the rare economic development project which does not need at least one, and more often a number of permits from DEC.

Permits for most major environmental regulatory areas protecting New York's air, water, mineral, and biological resources are subject to the requirements of the Uniform Procedures Act and are managed by DEC's Division of Environmental Permits (DEP). DEP manages categories of permits subject to application review and decision making procedures contained in the Uniform Procedures Act (UPA). The Department's major environmental regulatory permit programs are subject to the UPA protecting New York's air, water, mineral, and biological resources.

Applicants are urged to contact the appropriate regional permit administrator at the earliest stage of project development. Consultation can often result in project design that avoids the need for permits by avoiding regulated areas or activities. The types of UPA permit programs include Air Pollution Control, Coastal Erosion Control, Freshwater Wetlands, Tidal Wetlands, Protection of Waters, including Dams and Docks, Public Water Supply and Long Island Wells, Solid and Hazardous Waste Management, State Pollutant Discharge and Elimination Systems (SPDES), including Stormwater permits and Wild, Scenic and Recreational Rivers.

In New York State, most projects or activities proposed by a state agency or unit of local government, and all discretionary approvals (permits) from a NYS agency or unit of local government, require an environmental impact assessment. SEQR requires the sponsoring or approving governmental body to identify and mitigate the significant environmental impacts of the activity it is proposing or permitting. DEC standardizes our environmental assessments by using the Environmental Assessment Form (EAF) and special guidance documents. On completing an EAF, the lead agency determines the significance of an action's environmental impacts. The agency then decides whether to require (or prepare) an Environmental Impact Statement and whether to hold a public hearing on the proposed action.

The Legislature has made SEQR self-enforcing; that is, each agency of government is responsible to see that it meets its own obligations to comply. While the Department of Environmental Conservation is charged with issuing regulations regarding the SEQR process, DEC has no authority to review the implementation of SEQR by other agencies. In other words, there are no "SEQR Police."

If an agency makes an improper decision or allows a project that is subject to SEQR to start, and fails to undertake a proper review, citizens or groups who can demonstrate that they may be harmed by this failure may take legal action against the agency under Article 78 of the New York State Civil Practice Law and Rules. Project approvals may be rescinded by a court and a new review required under SEQR. New York State's court system has consistently ruled in favor of strong compliance with the provisions of SEQR.

DEC provides informal interpretations and guidance about the conduct of SEQR. These informal interpretations are based on the experience of DEC staff. DEC, however, cannot provide formal legal opinions about the conduct of SEQR by other agencies. State and local agencies and other interested parties should consult with their own legal counsel for formal interpretations of SEQR law and regulations.

Permitted Economically Important Projects

GE Battery

Building 66 Rehab, Schenectady, Schenectady County (2010)
$100 million private investment.
DEC SEQR lead agency.
DEC air permit issued in 10 months.
350 new jobs.

Hounsfield Wind Farm

Galloo Island, Hounsfield, Jefferson County (2010)
82-turbine, 246-MW wind turbine facility.
DEC permits (SPDES, Freshwater Wetland, Stream Disturbance, Mining, Endangered and Threatened Species) issued in 9 months.

Global Foundries

Malta, Saratoga County (2010)
$4.8 billion investment.
DEC approved a 30-mile water line and freshwater and stream protection permits. Expected to generate significant business and residential development in Region 4 and Region 5.
5,000 potential new jobs from direct/indirect/spinoffs.

Beech-Nut Manufacturing Facility

Town of Florida, Montgomery County (2008)
Relocation of manufacturing facility and Beech-Nut North American Headquarters.
$124 million investment.
Permits: air, water supply, SPDES, freshwater wetlands.
All permits issued within 10 months of application.
500 jobs retained. 135 new jobs.

Greenpac Mill

Niagara Falls, Niagara County
$407.5 million, state of the art cardboard production plant.
NYSDEC DEP recently issued an Air State Facility permit for the project.
Will add 108 jobs and retain 120.

Pending Economically Important Projects

Laurentian Aerospace Corporation

Plattsburgh, Former Plattsburgh AF base, Clinton County
$175 million project to provide maintenance, repair, and overhaul to wide-body aircraft.
273,000 sq ft hangar to be constructed
Up to 900 jobs expected within two years.

LaFarge Cement Modernization Project

Ravena, Greene County
$500 million investment. 2.8 mil tpy replacement dry manufacturing process cement plant.
DEC air permits expected to be issued mid-2011.
New plant estimated to be up and running by 2015.
Estimated 800 construction jobs. 200 existing jobs retained.

General Motors Tonawanda Plant

Tonawanda, Erie County
Two new engine lines with a total of $825 million of private investment.
The region will process the air and/or waste water permits required for this project.
Adding 415 jobs and retaining 700.

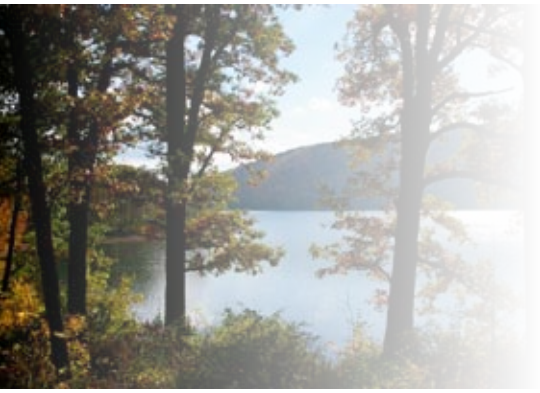
ALCOA

Massena, St. Lawrence County
$600 million investments in modernizing the Massena East facility as part of an agreement with NYPA for low cost electricity.
DEC permits: Air, SPDES, and freshwater wetland.
Will retain at least 900 high-paying jobs.

Recreation

Section 7-01 of Parks, Recreation and Historic Preservation Law identifies twelve park regions in New York State. Park region six is comprised of the Adirondack and Catskill Parks, and, as required by Environmental Conservation Law 9-0101 is administered by the Department of Environmental Conservation (DEC). Within the DEC's Division of Operations, the Bureau of Recreation manages 52

campgrounds, 6 day use recreation areas, and Belleayre Mountain Ski Center on NYS Forest Preserve Lands within the Adirondack and Catskill Parks. These very popular facilities attract approximately 1.7 million visitors each year to some of the state's most rural and economically-challenged areas. The Bureau of Recreation's objectives are to provide recreational opportunities for the public, ensure that revenues offset operating costs, enhance economic benefits to local communities and the state, and to manage facilities to comply with the provisions of Article 14 of the State Constitution, the state land master plans, laws and regulations.



Summer Recreation (Campgrounds and Day Use Areas)

DEC campgrounds offer a unique camping experience on New York State Forest Preserve lands in the Adirondack and Catskill Parks. These campgrounds and day use areas are critically important elements of the recreation-based tourism opportunities in both Parks. During the summer of 2010, over 1.6 million visitors enjoyed the Bureau's facilities, generating $9.216 million in direct revenue to the Department with operating expenditures of $8.245 million. The Bureau provides seasonal employment to over 500 individuals through direct spending and stimulates additional employment opportunities for service support business in host communities. According to a 2009 Study conducted for Parks and Trails New York, the benefit-to-cost ratio of direct spending on New York State Parks is 5-to-1, bringing the indirect economic value of DEC's campgrounds to over $40 million during the 2010 camping season. Adirondack and Catskill communities are truly tourism-based, making DEC campgrounds particularly important to the economic health and well being of these rural areas.

The DEC works cooperatively with the Office of Parks, Recreation and Historic Preservation in administering the NYS camping reservation service contract with ReserveAmerica. Both agencies strive to maximize the service and marketing provisions of this contract, which yields a direct 7-1 cost benefit to the State.

Belleayre Mountain

In 1946, and amendment to Article 14 of the New York State Constitution authorized the Department to develop a modern ski center of the slopes of Belleayre Mountain. From its inaugural ski season in 1949, Belleayre has steadily increased in popularity. Since the 1997-98 ski season alone, Belleayre has grown from 84,042 skier visits to 169,163 skier visits during the 2009-10 ski season. A 2007-08 economic impact study was conducted by SUNY Plattsburg for the Department's two ski centers that are operated in the Adirondack Park by the Olympic Regional Development Authority (ORDA). That report concluded that for every dollar of direct spending, the state realized 1.2 – 1.5 times the value in economic activity. If the economic value of local residents were included in the study, the

visitor impact numbers would nearly double. During the 2009-10 ski season, Belleayre incurred $6,311,917 in direct operational expenditures, which, according to the SUNY study, translates into over $15 million in indirect local economic benefits to the Region. With this exponential growth, Belleayre has definitively established itself as the economic engine of the Route 23 corridor in the Central Catskills.

The regional economic importance of Belleayre has led to the development community and business partnerships, such as the Belleayre Region Lodging and Tourism Association and the Belleayre Conservatory. The Conservatory's goal is to fully utilize Belleayre Mountain as a four-season resort to maximize its economic impact. Belleayre now hosts a regionally acclaimed summer concert series, and operates a very popular day use area at Pine Hill Lake. In January of 2011, The Catskill Watershed Corporation (CWC) Board of Directors expressed concern for the future of Belleayre and local businesses based on the ripple effects experienced in the local economy from recent budget cuts. New York City has appropriated $59.7 million in revolving economic development funds for the "Catskill Fund for the Future", invested and managed by the CWC. The CWC estimates that 12% of its outstanding economic development loan portfolio is directly dependent upon Belleayre Mountain's operation. Clearly, the regional dependence upon Belleayre for economic stability is great. The Board is now looking to State leaders to "assist in finding an equitable solution to ensure that Belleayre . . . remains in full operation, providing a vital economic benefit to the Central Catskills."

Pollution Prevention Institute

The NYSDEC (Department) contracts with Rochester Institute of Technology (RIT) to manage the NYS Pollution Prevention Institute (P2I). The establishment of P2I is mandated in Article 28 of the ECL and this effort is funded through the Environmental Protection Fund. P2I's work is statewide and RIT has partnered with Clarkson, RPI, and the University at Buffalo to focus on applied R&D to address technical challenges at businesses. The P2I partnership also includes the State's ten Regional Technology Development Centers (RTDC) to further expand the reach of P2I's direct business assistance work. The RTDCs are regionally based independent, not for profit organizations that are focused on cultivating the growth of high tech industry and helping smaller manufacturers modernize. The RTDCs are partly funded by the NYS Foundation for Science Technology and Innovation (NYSTAR). The partnership between P2I and the RTDCs is a positive one for both organizations. P2I brings expertise in environmental improvements and applied R&D, while the RTDCs bring their existing relationships with businesses and capacity to assist businesses with business efficiency improvements. To date, P2I's work to directly assist businesses has resulted in actual and projected savings to NYS businesses of $8 million.

The P2I has been able to directly assist numerous businesses across the State and their work with the TECT Corporation (TECT) in Whitesboro is a good example of how P2I can support both the environment and economy. TECT manufactures critical titanium rotating components of turbine engines for aviation and industrial applications. These precision components go through several acid bath treatments before final product. TECT requested assistance from P2I to reduce the amount of acid waste from their manufacturing process. In conjunction with their RTDC partner, Mohawk Valley Applied Technology Corp, P2I proposed to change the existing acid boost methodology to extend the acid bath beyond its normal life. Through the project, the hazardous waste generated from TECT's titanium blade manufacturing process was reduced by nearly 50 percent, resulting in an annual savings between $250 and $300,000.

In addition, the Department is utilizing P2I as a key technical resource in a regionally based environmental initiative in Tonawanda. The project in Tonawanda is a collaborative effort with local officials, NGOs, federal agencies, and the State to focus resources on priority environmental issue facing the community. In addition to environmental quality concerns the community is also interested in their economic viability. With success stories like the one at TECT, the Department was able to introduce P2I as a valuable resource to assist businesses with both their environmental performance and bottom line. In addition, having the P2I ready to directly assist businesses better positions the Tonawanda community in leveraging available federal resources.

Water Quality Improvement Project (WQIP) Program

The program's purpose is to restore water quality by providing funding to municipalities for Nonpoint Source Abatement and Control, Wastewater Treatment Improvement, and Aquatic Habitat Restoration "implementation" projects. The projects focus on the Department's water quality priorities. Over 1,300 projects have been funded. Currently, the main source of funding for the WQIP program is the Environmental Protection Fund. However, the program is structured so that any eligible state or federal funding can be used to fund WQIP projects.

Erie County Overflows

Overflows from sanitary sewers are a significant issue in Erie County. The Department has been working with the County to find a way to reduce the overflows and avoid a moratorium on approving storm sewer extensions necessary for development. Through the Water Quality Improvement Project (WQIP) program, projects will be implemented that will help address these overflows. By mitigating the overflows, Erie County municipalities will in turn have additional capacity, and be able to accommodate sewer extensions for development.

Halfway Brook and Hovey Pond Park

The WQIP program has provided funding for a number of stormwater projects along Halfway Brook in Queensbury, NY. Halfway Brook flows through Hovey Pond Park in Queensbury and also feeds the pond in the park. This park is used by many local residents annually and is a unique natural experience in an otherwise urban setting. In the past, trash and sediment from impervious surfaces fouled the water. The projects cleaned up those problems and have made the park a more enjoyable place for residents to visit, thus raising public awareness of water quality benefits and providing an escape from the surrounding urban landscape. The improved quality of life provided by the projects should translate to the local economy.

Saw Mill Creek Daylighting

The Water Quality Improvement Project (WQIP) program provided funding to the City of Yonkers to support the daylighting of the Saw Mill River at Larkin Plaza in downtown Yonkers. The City of Yonkers will use WQIP funding to replace an urban plaza with a natural ecosystem providing a natural park in the middle of downtown Yonkers. Completion of the project will become a regional attraction and a catalyst for future development. New businesses and offices will be established nearby as a result of the project.

Note: WQIP projects are "implementation projects", which means that there are immediate economic benefits from the projects. For example, many of the projects require engineering design before and during construction, supplies to construct the project must be purchased and labor to build the project must be hired.

New York State Brownfield Cleanup Program (BCP)

A brownfield is any real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of contamination (e.g., hazardous waste, petroleum). These sites typically are former industrial or commercial properties that are not only environmental concerns, but also are blights on communities. Left vacant, contaminated sites can diminish property values of surrounding sites and threaten the economic viability of adjoining properties. Restoring brownfields to productive use creates new jobs, increases the local tax base, improves the value of adjacent property, promotes sustainability and smart growth and mitigates public health and safety concerns. It also reduces sprawl, preserving open space and farmland, or greenfields.

New York State's Brownfield Cleanup Program (BCP) enhances private-sector cleanup of brownfields and addresses the environmental, legal liability and financial barriers that often hinder the redevelopment and reuse of contaminated

properties. The State's BCP entitles the BCP party to a state liability limitation (w/ standard reservations) and various tax credits, including business and personal tax credits, for remediation and development costs, real property taxes and environmental insurance premiums.

Returning contaminated sites throughout the state into productive community assets requires a cooperative approach among the state, property owners, lenders, developers and prospective purchasers. New York State agencies offer a variety of programs and technical expertise that can help foster these partnerships and can be critical to ensuring that a site is properly cleaned up and redevelopment opportunities are met. The DEC is the lead agency in the State's BCP and responsible for determining site eligibility and oversees the investigation and cleanup efforts at the site. In addition, several other state agencies play a role in brownfield cleanup and redevelopment, including but not limited to: NYSDOH (ensures that cleanups are protective of public health), NYSDOS (provides technical and financial assistance to communities for area-wide brownfield redevelopment planning through the Brownfield Opportunity Areas Program- BOA), Empire State Development (ESD) (designates environmental zones related to BCP tax credits, provides marketing services for brownfield sites and offers financial assistance programs).

Since its inception, the BCP has been successful in remediating and redeveloping sites throughout New York State. As of March 29, 2010, 358 BCP applications have been approved and certificates of completion (cleanup complete) have been issued at 92 sites. Several of these projects have helped stimulate economic revitalization efforts in communities across the state including the following projects in Schenectady and Watkins Glen:

Golub Corporation Headquarters

The new headquarters for a large area supermarket chain was built to achieve Gold level status under the Leadership in Energy and Environmental Design (LEEDs) certification system, and brings a vibrant new use to a long abandoned urban site.

Site Description

This 8.36-acre site was owned and operated by the American Locomotive Company previous to the 1960's. The property was later developed for retail businesses, including a dry cleaning operation. The property was abandoned in 2004 and the building and parking lot gradually fell into disrepair.

Investigation activities included a ground penetrating radar survey, a soil gas survey, soil borings and groundwater samples. Investigations identified soil contamination from metals, petroleum and dry cleaner solvents, as well as petroleum, vinyl chloride, tetrachloroethene and trichloroethene in the groundwater.

Cleanup

The former retail plaza was razed in February 2006. Remedial activities included the removal and disposal of roughly 10,000 tons of contaminated soil, the collection, treatment, discharge of 400,000 gallons of contaminated groundwater, underground storage tank and transformer removal, and community air monitoring. A soil vapor mitigation system was installed in the new office building, and institutional controls will be periodically certified to ensure protective measures remain in-place.

Reuse

The new six-story building on-site is the new headquarters for the Golub Corporation, Schenectady County's largest private-sector employer. Local businesses should benefit from the approximately 700 employees working in the new building, as well as vendors and suppliers who continuously visit the headquarters. Energy efficient features of the new structure include sensors that automatically turn off lights and computers when not in use, and three micro-turbines on the roof that reduce demand on the utility grid by 25 percent.

Watkins Glen Harbor Hotel (C849004)

Highlights

The growing number of tourism and recreational opportunities in the area has created such a demand for hotel space that the Watkins Glen Harbor Hotel had sold-out dates before its opening in the summer of 2008.

Description

The opening of a new hotel in the heart of the Finger Lakes Wine Region is an excellent example of how New York's Brownfield programs can help communities transition from the past to the future. The site is bounded by Franklin, First, and Decatur Streets in the Village of Watkins Glen. The parcels that make up the Seneca Market site have a history that dates back to the 1860s, including a marble works building, a dry cleaning building, and the foundation of the former Welch's Grape facility.

Cleanup

Redevelopment activities proceeded consecutively with cleanup activities starting in the fall of 2006. Remedial measures included a soil vapor extraction system for impacted soil and groundwater pump and treat system for groundwater.

Reuse

The 104 room hotel, complete with a ballroom, fitness center, and 300 person conference facility is expected to create 60 jobs and generate $4 million annually.

Watershed and Basin Programs

Within Federal and State environmental programs, there has been an evolving transition in policy and funding to acknowledge the inter-relationships between human, biological and physical aspects of ecosystems and the need to align the programs of related agencies to achieve desired ecosystem goals. DEC participates in an array of watershed, basin and estuary programs that cover much of the geography of the State. While these programs have been established under varying legal authorities, funding and management structures, they all provide broad frameworks for intergovernmental partnerships to identify regional goals and priorities for action. Engagement of stakeholders, including other state agencies, local governments, non-profits and academia, has been an essential component for developing multi-objective action plans and to leverage the resources to accomplish their identified goals. Multi-objective action plans, to varying degrees, have sought to improve water quality, protect drinking water supplies, restore habitat and recreational and commercial fisheries, eliminate sources of toxic contamination, reduce flooding, and enhance recreational and commercial waterfront access and use (including ports). Depending on their scope and mandates, many of these regional programs have sought to integrate regional economic goals that are consistent with their other ecosystem objectives. A few of these programs also have significant regulatory and permitting authority.

Federal/State/interstate programs include (with links to current programs/plans/strategies/agendas):

- New York-New Jersey Harbor Estuary Program
- Long Island Sound Study
- Peconic Bay Estuary Program
- Lake Champlain Basin Program
- Great Lakes Program
- New York City Watershed
- Chesapeake Bay Program

State-Sponsored Basin and Watershed programs include:

- Hudson River Estuary Program
- Mohawk River Basin Program
- Lake George Park Commission

Interstate Compact Commissions include:

- Delaware River Basin Commission
- Susquehanna River Basin Commission

Environmental Facilities Corporation

Environmental Facilities Corporation (EFC) is a New York State public benefit corporation that provides financial assistance and technical expertise for the construction of infrastructure that protects public health, improves the environment, and provides the foundation for economic growth. Since 1990, EFC has assisted public and private entities with nearly $15 billion in low-cost financing and grants for more than 2,000 water, sewer, and green infrastructure projects spanning New York State.

Helping Communities Attract Businesses

Reliable wastewater and drinking water infrastructure is a baseline requirement for the location of any business. By financing new wastewater and drinking water infrastructure projects, EFC can empower communities to become economically competitive.

One of the most successful projects funded by EFC was the Black River Initiative. In 1998, recognizing the economy of joint action, five communities came together and developed a plan to invest in their economic, public, and environmental health. The communities worked with EFC to construct sanitary sewers along an eight- mile stretch of the Black River along Route 3 in Jefferson County, build additional wastewater treatment plants, and upgrade additional downstream plants. This project demonstrated the impact that collective action can have on water quality and economic growth by solving serious local sanitary problems that were affecting local health and impeding commercial development.

Saving Tax Dollars

Treating wastewater is an energy intensive process, and energy consumption at these facilities is a huge cost to taxpayers. Through the harnessing of readily available renewable energy at wastewater treatment plants, EFC can help communities finance projects with short payback periods that lower their operating costs and make their facilities more sustainable. EFC can offer reduced interest loans and grants in combination with grants from the New York State Energy Research and Development Authority (NYSERDA) to fund the evaluation of proposed projects at wastewater treatment facilities for energy efficiency and on-site generation. The program utilizes NYSERDA's expert technical assistance early in the planning process to identify energy efficiency opportunities, lowering the operating costs for the community, while at the same time reducing the carbon footprint for the facility.

Connecting Sustainability and Economic Growth

EFC provides technical expertise and funding to assist communities in developing environmentally innovative solutions to their economic development challenges.

For example, in 2008, after years of companies abandoning the industrial park in Johnstown, NY, FAGE USA Dairy decided to establish a yogurt production facility there – which was a huge boost for New York's dairy farmers. One of the primary draws for FAGE was additional treatment capacity at the nearby Gloversville-Johnstown Wastewater Treatment Facility. The Wastewater Treatment Facility, however, was not prepared to handle the amount of whey produced by the yogurt company and sought a grant from EFC to install digesters and finalize its combined heat and power program. EFC, in conjunction with the New York State Energy Research and Development Authority (NYSERDA), funded the project and provided technical assistance. The Wastewater Treatment Facility now produces enough clean, renewable energy to meet all of the plant's electric and heating needs, with energy to spare. In addition, Gloversville-Johnstown has been able to provide treatment for whey from Cappiello Dairy Products in Schenectady and are offering treatment services to other dairy businesses looking to locate nearby. As if these developments were not evidence enough that this environmentally innovative solution has been a huge boost to the local economy, the FAGE plant recently announced plans to expand.

Revitalizing Downtowns

Through EFC's Green Innovation Grant Program, communities across the state are revitalizing their downtown areas and addressing local water quality concerns through the creation of green streets, adding trees to their urban landscape, and installing porous pavement and green roofs. All of these strategies help to keep our waters clean by better managing stormwater and make our urban spaces beautiful places to live and work. In 2009 EFC funded green-street projects in Rome and Utica that helped to revitalize sections of their downtown areas.

Office of General Services

The Office of General Services (OGS) was established in 1960 to provide essential support services for the operations of state government. Since then, OGS has grown significantly in scope, and complexity. Today, we are a diversified organization providing a broad spectrum of services to state agencies, local governments, and the public.

Since its inception, OGS has developed expertise in centralizing critical support and service functions leading to more cost-effective government. OGS facilitates the work of New York State agencies, the Legislature and Judiciary; supports local governments, eligible nonprofits, school districts, and public authorities. The agency provides services through the development and management of efficient, cost-effective, and environmentally-sustainable programs and activities. Delivery of critical services is performed in partnering with New York State businesses; significant economic opportunities are presented through their participation in state contracts administered by OGS. Some of these services include:

- Architectural, engineering and construction management services for buildings statewide;
- Building management, energy saving operations, and maintenance services to 49 major office complexes and buildings statewide;
- Managing leases of privately held real estate used for state purposes;
- Facilitating and administering approximately 2,400 centralized procurement contracts for goods, services, and technology needed by state agencies, municipal governments, and educational institutions;
- Administering a variety of support and distribution services including the state's alternative fueled vehicles program, interagency mail and freight services, printing and copying services, disposal of surplus state equipment, and distribution of USDA surplus food supplies;
- Shared administrative services (e.g., human resources and financial management) for 14 state agencies; and
- Visitors' assistance, tours and maintenance of architectural, historical and art treasures at the Empire State Plaza, the Executive Mansion and the State Capitol.

Procurement Services Group

The New York State Office of General Services' Procurement Services Group (PSG) establishes contracts to provide goods and services to New York State agen-

cies, municipalities and other entities authorized by law to use state contracts. All New York State businesses looking to secure contracts to do business with New York State are eligible. State law encourages participation by minority, women-owned and small businesses.

Vendor contracts provide significant opportunities to New York State businesses and support economic development in the state. Services provided by PSG to potential vendors include the following:

Many resources for companies looking to do business with New York State are located on the OGS website, Information for Businesses page, at: http://www.ogs.ny.gov/BU/PC/BizInfo.asp

This page includes the following:

- Online Bid Calendar: List of current bid solicitation opportunities.
- Bid Opening Results: Electronic bid tabulations from recent bid openings.
- Online Bidder Notification Service & Bid Opening Results: These services facilitate access to information on bidding for contracts through direct vendor notification. Email notices of specific types of contract opportunities are sent directly to the vendor based on business information provided by the vendor. Bid results are also posted electronically for vendor information.

Current contracts and contractor information for the procurement of commodities, services and technology can be found on the OGS website, Contract Directories page at: http://www.ogs.ny.gov/BU/PC/Directories.asp

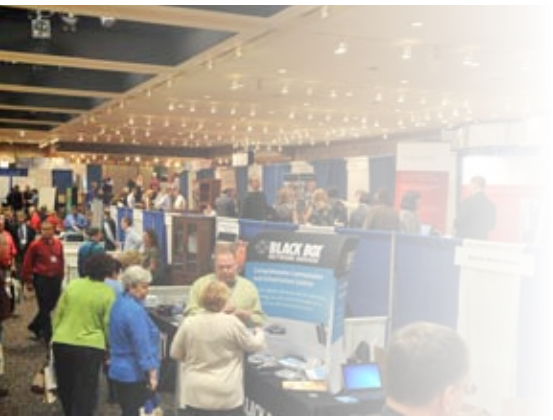
Rules and guidelines governing agency purchasing are also available on the OGS website. These are useful for companies as they attempt to sell to government entities and may be viewed at: http://www.ogs.ny.gov/BU/PC/

The OGS Procurement Services Group is committed to helping businesses understand the state's procurement practices in order to assist them in doing business with New York State. The following guide serves as an introduction to the State's purchasing and contracting methods, and is recommended for review by all businesses who wish to sell to New York:

- Doing Business With New York State: A Guide to the State's Procurement Practices

Other outside website resources include:

- Empire State Development: Information on MWBE certification and small businesses.



- Office of the State Comptroller's Vendor Website: Information on Centralized Vendor File, ePayment, Payment Inquiry, Procurement Protest, Vendor Responsibility, and Openbook NY.
- Workers' Compensation Board: Information on Workers Compensation Disability Insurance.

Department of Health

The New York State Department of Health (DOH), supports economic development through multiple mechanisms and services ranging from support of cutting edge information technology that has advanced health information systems to basic scientific research in stem cell science. Distribution of State and Federal funding for essential community public health services and for health services delivery promotes and supports the health economy in New York State. In addition the Department's oversight and regulatory activities that assure clean air and water, occupational health and safety and disease control ensure a safe and healthy environment for residents and businesses alike. Basic health services research promotes new systems of care and scientific research provides significant resources and economic stimulus to health providers and insurers, to community based organizations and to academic and scientific research facilities.

Wadsworth Center

DOH's Wadsworth Center is a science-based community committed to protecting and improving the health of New Yorkers through laboratory analysis, investigations and research, as well as laboratory certification and educational programs.

Scientists at Wadsworth Center:

- Study public health issues, from drug resistance to emerging infections and environmental exposures;
- Investigate basic biological processes that contribute to human health and disease; and
- Employ modern methods, such as biomarkers of exposure, and state-of-the art technologies, among them a resource for visualizing biologically relevant molecules.

As the state's public health reference laboratory, Wadsworth:

- Responds to public health threats;
- Develops advanced methods to detect microbial agents and genetic disorders; and
- Measures and analyzes environmental chemicals.

The Center also:

- Operates the most comprehensive laboratory licensure program for clinical and environmental laboratories and blood and tissue banks; and

- Trains the next generation of scientists through programs for doctoral, master, and undergraduate students – as well as specialized training of post doctoral fellows and others.

The Wadsworth Center administers legislatively authorized extramural funding programs that support New York State investigators studying specific topics, including:

Stem Cells

New York's investment in stem cell science has already had a major impact on the research community through funding of innovative science and the establishment of a solid ethical foundation for conducting stem cell research. To date, the Empire State Stem Cell Board has allocated $248.5 million through 12 Requests for Applications (RFAs), with awards to 194 scientific investigators at 36 institutions throughout New York State.

Breast Cancer

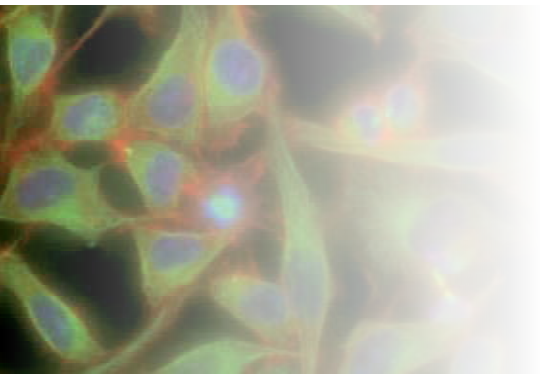
The New York State Health Research Science Board has supported breast cancer research studies and education projects since 1996. Currently there are eight active contracts that total $1,013,000 for breast cancer research and education activities. It is anticipated that three RFAs will be released in State Fiscal Year 2012-2013 totaling approximately $3.15 million.

The New York State Stem Cell Science Program

New York State is home to world-class biomedical and academic research institutions and is well-positioned to be a leader in the field of biomedical research. Through a multi-year commitment to stem cell research, New York has captured a unique opportunity to forge enterprising new partnerships among government, academia and biotechnology industries here. It has slowed the exodus of talented scientists in search of funding, and has fostered the development of a thriving stem cell research community – with all the economic benefits that it entails.

NYSTEM, the New York State Stem Cell Science Program, administers funding for basic, applied, translational or other research and development activities related to stem cell biology as approved by the Empire State Stem Cell Board (ESSCB).

New York's investment has already had a major impact on the research community through funding of innovative stem cell science and establishment of a solid ethical foundation for conducting stem cell research. To date, ESSCB has allocated $248.5 million through 12 Requests for Applications, with awards to 194 scientific investigators at 36 institutions throughout New York State. Additionally, 110 peer-reviewed scientific publications and related articles have been published with NYSTEM support.



New York State Stem Cell Program "Story"

The New York State Stem Cell Program, or NYSTEM, works to further the agenda of the Empire State Stem Cell Board, whose mission is to foster a strong stem cell research community in New York State and to accelerate the growth of scientific knowledge about stem cell biology and the development of therapies and diagnostic methods under the highest ethical, scientific, and medical standards for the purpose of alleviating disease and improving human health. As a result of direct investments by the State in stem cell research numerous academic centers including Albert Einstein College of Medicine, Columbia University, Cornell University, the Mount Sinai School of Medicine, Memorial Sloan-Kettering, the University of Rochester, and Weill Cornell Medical College have created stem cell centers to enhance institution-wide initiatives.

In fact, New York State is home to more than 40 prominent, biomedical research institutions and has more than 250 scientists who head laboratories conducting stem cell-related research. Since its inception, NYSTEM funding has led to over 120 scientific publications and New York scientists have filed more than 70 stem cell related patents. Moreover, it is estimated that well over 1,000 scientists, trainees and support staff are currently employed in academic and private laboratories conducting stem cell research. Because this is a rapidly growing area of biomedicine, and because industry commitment to the development of stem cell science is increasing as fundamental understanding matures, these numbers can be expected to grow substantially over the coming years.

As a direct result of NYSTEM support, New York scientists have captured a growing share of federal dollars. Since 2007, non-American Recovery and Reinvestment Act, (ARRA) National Institute of Health (NIH) funding for stem cell research has increased 13.5% nationwide, to over a billion dollars. During the same time period, NIH funding of stem cell research in New York State has grown more than 40%, increasing from $70 million in 2008 to $101 million in 2010.

The creation of NYSTEM and its support of stem cell research have energized New York scientists and helped to attract research funds that in turn support local economies. New York State scientists, working in diverse areas of specialization, are contributing every day to the world's understanding of the roles and potential therapeutic applications of stem cells in neurological disorders and injuries, cardiovascular disease, diabetes, skin and musculoskeletal disorders, cancer, and immune dysfunctions and aging, as well as crucial research into basic stem cell biology.

Medicaid Transportation Management Initiative

The New York State Department of Health's (DOH), procurements of Medicaid Transportation Management Initiative contractors for thirteen Hudson Valley coun-

ties, New York City (beginning with Brooklyn Borough), and other areas of the State is a collaborative effort with participating localities towards creating more efficient, regional models of Medicaid transportation management. These new models will consolidate administrative functions, centralize specialized management expertise, and improve resource coordination – leading to a more seamless, cost efficient, quality-oriented transportation management system. It will also relieve an existing burdensome administrative mandate on county governments.

The 2010-11 State Budget amends Section 365-h of the Social Services Law to give the Commissioner of Health the authority to procure contractors for the management of Medicaid transportation services. The contractors' performance criteria prescribed by the procurements include receiving and processing all requests for non-emergency Medicaid transportation, prior authorization of trips, maintaining a call center and public website, ensuring compliance with State and local quality standards, resolution of enrollee and provider complaints, and developing procedures to identify fraudulent activities. The contractors will receive a monthly payment determined by a fee negotiated with DOH for each Medicaid enrollee in the participating counties that is eligible to receive fee-for-service transportation.

The contractors must submit a transportation management plan for DOH approval prior to beginning work, submit regular management and utilization reports, and must meet with a Medicaid Transportation Advisory Council comprised of providers, county officials, consumer representatives, and any other persons chosen by DOH to discuss issues related to the contractors' management of transportation services.

DOH's transportation management contract will enhance the agency's ability to improve the regional delivery of Medicaid transportation, and better align the State's fiscal and program accountability for this important service. The Commissioner of Health will exercise his discretionary authority in consultation with local social services and county officials in a manner that ensures compliance with both State and local regulations, and consumer satisfaction standards.

Public Health Insurance Enrollment

The New York State Department of Health is currently working to develop a centralized statewide Enrollment Center to process applications and renewals for a portion of those eligible for New York State's public health insurance programs. The Enrollment Center will provide the foundation for greater efficiency in public program renewals and greater customer service. It will also provide job growth in the Capital Region. The Enrollment Center consolidates three separate call centers into one and moves the Child Health Plus call center from Pennsylvania to New York. It also consolidates and automates Medicaid renewals outside New York City

and adds an option for renewing coverage by telephone. In the long run, the increased automation will result in fewer staff needed to process renewals in the local departments of social services, but will result in job growth in the Capital Region.

Health Information Technology and Health Information Exchange

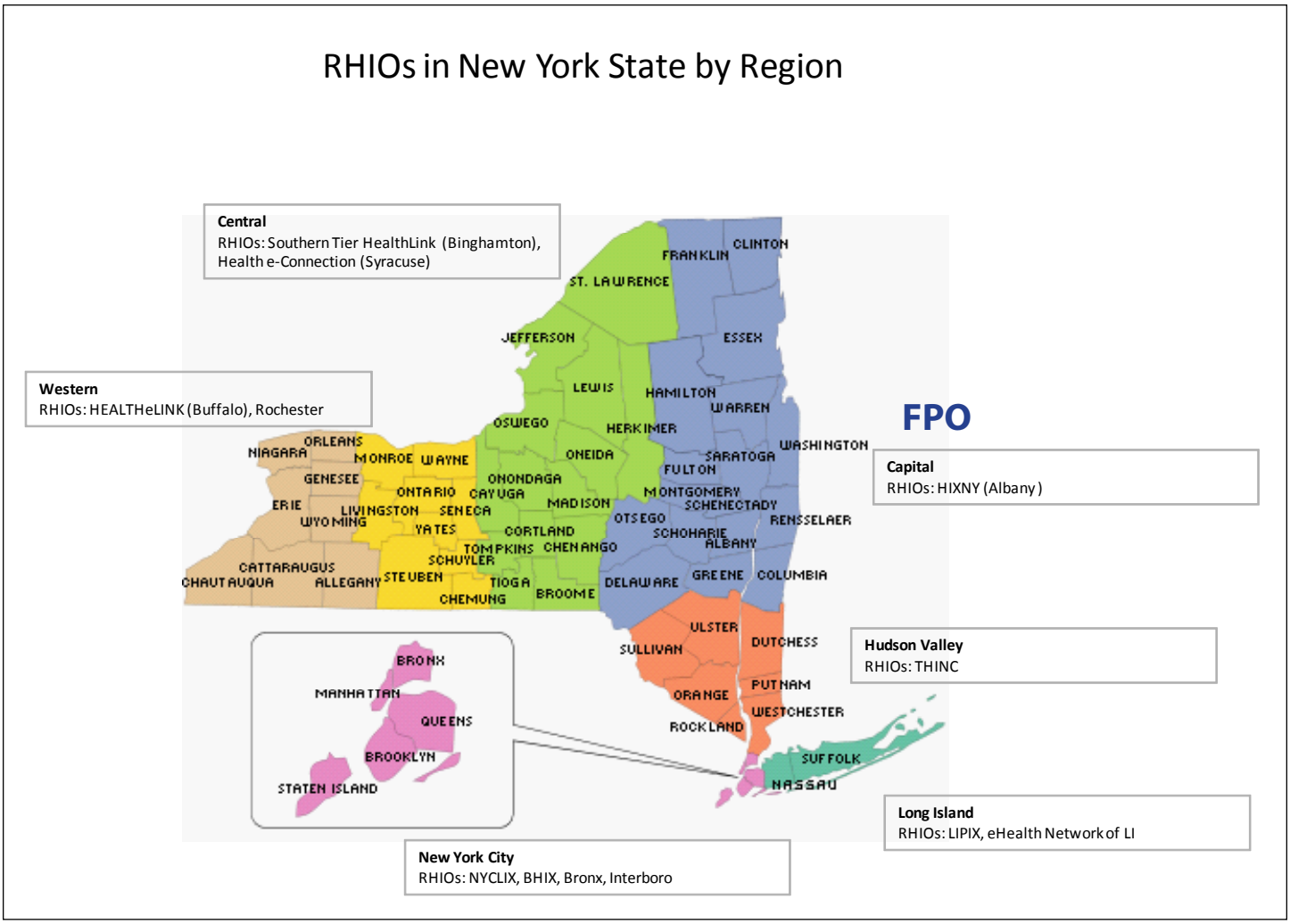
Since 2004, more than $840 million in Federal, State and Private Sector funding have been allocated toward efforts to harness health information technology (IT) and health information exchange (HIE) to improve the effectiveness and efficiency of health care delivery in New York State. In support of a technology-enabled health care transformation, diverse stakeholders have united to forge a strong statewide consensus for reform. A statewide infrastructure to support HIE has been established and supported by policies and standards that have enabled early gains in the adoption of health IT.

These innovations in New York are inspired by a vision of the patient at the center of a care community that collaborates to address the full array of each individual patient's needs. The State's strategic approach to HIE reflects a commitment to privacy and security, a focus on improved medical outcomes, and an emphasis on continuous quality improvement, further innovation, and accountability in the public interest. This emerging technology-enabled health care transformation in New York State will benefit patients, primary and specialty care providers, hospitals, payers, and governments.

The following table details Health Care Efficiency and Affordability Law for New Yorkers (HEAL NY) investments to date:

Activity	Recipients	HEAL 1	HEAL 5	HEAL 10	HEAL 17	Total
Community Health IT / HIE Projects	Various	$53M	$95M	$60M	$120M	**$328M**
Statewide Collaboration Process	NYeC		$5M	$5.3M	$4M	**$14.3M**
Statewide SHIN-NY Infrastructure	NYeC			$22.8M	$12M	**$34.8M**
Education and Communication	NYeC			$3.5M		**$3.5M**
Health IT Adoption Services	NYeC			$3.4M		**$3.4M**
HIE Accreditation	NYeC				$2M	**$2M**
Evaluation	Health Information Technology Evaluation Collaborative (HITEC)		$5M	$5M	$2M	**$12M**
Total		**$53M**	**$105M**	**$100M**	**$140M**	**$398M**

HEAL NY 1 grants provided start-up capital funding for many regional health IT entities (described below) and other health IT projects. HEAL NY 5 grants built upon that foundation and marked the beginning of the development and implementation of the key organizational, clinical and technical building blocks for New York State's health information infrastructure – like Regional Health Information Organizations, or RHIOs. RHIOs are independent governance entities consisting of multiple stakeholders that support secure and interoperable exchange of health information. Their mission is to govern and provide health exchange services for the public good in order to support improvements in health care quality, affordability and outcomes. In that role they participate in the statewide collaboration process to help set policies for the state and then oversee implementation of those policies in their regions. Currently, there are 12 RHIOs that are part of New York's governance structure. *(Please see the map of RHIOs across New York State below.)*



Acceleration of momentum stemming from these early State investments in health IT was further supported by $180 million in additional HEAL NY 10 and HEAL NY 17 grants in 2009 and 2010. These grants were intended to capitalize on initial progress in developing a statewide health information infrastructure to transition to a new care delivery and reimbursement model – the patient-centered medical homes.

HEAL NY has provided extensive funding (to be augmented under HEAL NY 10 and HEAL NY 17) to the New York eHealth Collaborative (NYeC) to support policy development, ensure the smooth operation of the processes required to support the envisioned health care transformation, and provide implementation guidance and support. NYeC was founded by health care leaders across the state, with leadership and support from the New York State Department of Health. NYeC is a public-private partnership that serves as a focal point for health care stakeholders to build consensus on state health IT policy priorities, and to collaborate on state and regional health IT implementation efforts. NYeC is a trusted, inde-

pendent collaborative that reflects a diverse array of interests and perspectives on key policies and standards to ensure that health IT implementation efforts are successful. Through its open and transparent governance process, NYeC will also oversee the next stage of development of New York's Statewide Health Information Network, or SHIN-NY, described in more detail below.

In addition to the activities funded through HEAL NY, in 2010 the Governor named NYeC as the State Designated Entity for the purpose of implementing the State Health Information Exchange Cooperative Agreement administered by the federal Department of Health and Human Services. New York State was allocated $25 million to further advance development of statewide HIE services and connect the SHIN-NY to the Nationwide Health Information Network. NYeC was also awarded a $27 million contract to serve as the Regional Extension Center for New York State (outside NYC) which provides implementation support for Medicare and Medicaid providers to qualify for meaningful use incentive payments. NYC REACH, which is operated by the New York City Department of Health and Mental Hygiene, received $22 million to operate the Regional Extension Center in New York City.

Local and Regional Impact of New York State's Health Information Technology (IT) Investment

The overarching goals for New York State's Health IT strategy include:

- **Improve the Efficiency and Effectiveness of Care:** Provide the *right* information to the *right* clinician at the *right* time – regardless of the venue where the patient receives care.
- **Improve the Quality of Care:** Ensure access to clinical information to support improvements in care coordination and disease management, help reorient the delivery of care around the patient, and support quality-based reimbursement reform initiatives.
- **Reduce Health Care Costs:** Minimize costs associated with medical errors, duplicative tests and therapies, uncoordinated and fragmented care, and pre paring and transmitting data for public health and hospital reporting.
- **Improve Health Care Outcomes:** Mobilize health information to evaluate the effectiveness of health care interventions and monitor quality outcomes.
- **Engage New Yorkers in Their Care:** Lay the groundwork for New Yorkers that have access to their health information and communicate electronically with their providers to improve the quality, affordability and impact of health care services.

Key stakeholders across New York's health care system will derive concrete benefits from the technology-enabled heath care transformation:

- **Patients:** Consumers of health care services will become active partners in their health care through better access to information and tools. Over time, they can expect to receive improved health care services and obtain enhanced medical outcomes. The transition to a comprehensive, well-regulated system will also increase patients' confidence in the confidentiality and security of their medical records.
- **Primary and Specialty Care Providers:** Health care providers will be able to provide improved care to their patients by accessing and using timely, comprehensive and accurate information specific to each patient. They will also be able to coordinate care better due to improved communication channels with other providers and their patients. Inefficiencies associated with the collection and management of paper records will be reduced, as will medical errors.
- **Hospitals:** Facilities responsible for the care of patients, including many admitted through emergency departments, will be able to access the patient information from outside sources needed to improve and coordinate care. Health IT systems will facilitate superior transitions of care among hospitals, private practices and sub-acute facilities, leading to fewer readmissions and further reductions in medical errors.
- **Payers:** A robust statewide health IT infrastructure will enable payers to implement coverage schemes that incentivize efficiency and intensify systemic focus on patient outcomes. The technology-enabled health care transformation in New York will increase payer confidence that they are not paying for wasteful, duplicative or erroneous services. Payer strategies and activities should be coordinated to ensure alignment of incentives and reduce administrative complexity for consumers and providers.
- **Governments:** As a major payer of health care services, governments will reap the efficiency and quality benefits to payers generally. In addition, a statewide health IT infrastructure will advance the public goal of facilitating sound research methods to answer critical health questions. Public health efforts will be strengthened through simplified and more comprehensive disease reporting, earlier identification of potential outbreaks, and enhanced capacity for rapid communication with the entire community of health care providers.

It is important to note that the New York State Department of Health's efforts to establish health information technology and health information exchange to improve the effectiveness and efficiency of health care delivery in New York State

has been used as a model to establish the federal Medicaid/Medicare Electronic Health Record Initiative. *(Please see New York State's Medicaid Electronic Health Record Initiative Narrative below for more detailed information.)*

New York State's Medicaid Electronic Health Record Initiative

The American Recovery and Reinvestment Act of 2009 ("the Recovery Act") establishes a Medicaid Electronic Health Record (EHR) Incentive Program to provide financial incentives to health care providers who adopt and become meaningful users of electronic health records. The Recovery Act amends the Medicaid statute to provide for a 100 percent federal financial participation (FFP) match for State expenditures for provider incentive payments to encourage Medicaid health care providers to purchase, implement, and operate certified EHR technology.

Under the terms of the Recovery Act and subsequent federal rulemaking, eligible professionals (including physicians, nurse practitioners, certified nurse-midwives, dentists, and some physician assistants) may be eligible to receive up to $63,750 in incentive payments over six years (including $21,250 in the first year) when they adopt, implement, upgrade, or meaningfully use certified EHR technology. Eligible hospitals (including acute care and children's hospitals), who likewise adopt, implement, upgrade, or meaningfully use certified EHR technology, may be eligible to receive incentive payments over a three-year period based on a payment formula that begins at $2 million and adjusts based on number of discharges, amount of charity care, and the proportion of bed days attributable to Medicaid beneficiaries.

This is a preliminary estimate of the total value of the incentive payments that may be received by New York State participants over the course of the Medicaid EHR Incentive Program.

Methodology

Given that the operational details of the Medicaid EHR Incentive Program are still under development, and given that the level of participation in the program on the part of individual practitioners and hospitals is uncertain, it is difficult to establish an accurate estimate of the total value of incentive payments that will be received by New York State participants. In order to reach a preliminary estimate, it was necessary to make certain assumptions regarding the level of eligibility and participation – as well as the value of incentive payments – that will be received by hospitals in the State.

Practitioner Eligibility and Participation

According to the most recent available studies by the Center for Health Workforce Studies at the University at Albany, approximately 11.25% of the more than 84,000

physicians licensed in New York State have a sufficient Medicaid patient population to qualify for the Medicaid EHR Incentive Program. Similar estimates are not currently available for the other categories of healthcare professionals eligible to receive payment under the program. Work is currently underway by the Center for Health Workforce Studies to obtain more specific estimates of eligibility across a wider range of professionals.

For the purposes of obtaining an upper bound on the total value of the incentive program, it is assumed that 10,000 healthcare professionals will successfully participate in the incentive program and all will receive the full incentive payment amount.

Hospital Incentive Payment Amount

The actual value of the EHR incentive payment to each hospital is based on a formula that takes into account the annual number of discharges, charity care charges as a proportion of overall charges, and proportion of bed days paid all or in part by Medicaid in the most recent hospital reporting year on the date that the hospital enrolls in the incentive payment program, as well as the average rate of growth over the three previous years. The payment formula set forth by the Recovery Act and subsequent federal rulemaking establishes a four-year payment schedule, but New York has opted to exercise its perogative to disburse the entire four-year incentive payment over the first three years of program participation, with 50% of the total amount being disbursed in the first year, 40% in the second year, and 10% in the third year.

Prior to the finalization of the hospital payment formula, the New York State Department of Health developed a preliminary estimate of total hospital payments for the first year of program participation. This estimate was based on hospital cost reports submitted in 2007, the most current reports available at the time. Based on the nature of the final four-year hospital formula, the results of this one-year analysis (estimating a first-year payment total in excess of $207 million) can be scaled by a factor of 2.5 to obtain a rough estimate of the total incentive payment amount that would be received by the hospitals over the entire incentive program. This 2.5 multiplier does not take into account the effect of the hospital growth estimate or other changes in the final version of the hospital formula.

Analysis of the most recent hospital cost reports is currently underway using the final hospital incentive payment formula to obtain a more accurate estimate of hospital incentive payments. The results of a preliminary study of a single hospital found that the updated estimate was approximately 19% higher than the initial estimate, but it is not yet known whether this increase is representative of the overall hospital population.

Estimate of Total Incentive Payment Value

The following table shows the total estimated value of all Medicaid EHR Incentive Program payments to New York State participants, given the assumptions and conditions described above.

Eligible Provider Type	Number of Participants	Amount per Participant	Incentive Payment, First Provider Participation Year	Total Incentive Payment
Eligible Professionals	10,000	$63,750	$212,500,000	$637,500,000
Eligible Hospitals	203	(varies)	$259,200,000	$518,400,000
Total			$471,700,000	$1,155,900,000

***Please note: There is a parallel EHR incentive program for physicians and hospitals through Medicare. Physicians will need to select Medicare or Medicaid (they cannot do both), but most hospitals will be able to participate in both incentive programs. Both the Medicare and Medicaid incentive funds will be flowing into New York State. The Medicare program is run directly by the Centers for Medicare and Medicaid Services.

Homes and Community Renewal

New York State Homes & Community Renewal (HCR), which oversees all of New York's housing and community renewal agencies and programs, is committed to the mission of "partnering to improve and preserve our homes and communities." HCR strives with our partners to be a national leader in expanding access for all New Yorkers to decent and affordable housing in communities that are safe, vibrant and offer a healthy variety of economic, transportation and recreational opportunities. For information on program regulations and requirements connect to www.nyshcr.gov/Programs/

HCR administers more than 30 affordable housing and community renewal programs and has ongoing responsibility for more than 1,300,000 units statewide. The agency issues bonds, administers federal program dollars on behalf of New York State, and develops public and private partnerships that support its mission. Programs develop and preserve affordable housing, revitalize neighborhoods and downtowns, create jobs, and provide homeownership opportunities and education.

Several HCR programs and the impact they have on communities are described below.

Sustainable Neighborhoods Demonstration Program (SNDP)

The Sustainable Neighborhoods Demonstration Program uses existing program resources in innovative ways to address the vacant housing crisis, create new affordable housing opportunities, and turn abandoned buildings, blight, and distressed properties into quality affordable homes for owners and renters.

Buffalo (Western New York)

HCR has developed a successful partnership with People United for Sustainable Housing (PUSH) in the City of Buffalo that has leveraged multiple program resources and private and community collaborations to help address the city's 23,000 vacant housing units, create quality affordable housing, and support the growth of local businesses.

PUSH Buffalo was the first recipient of a grant under HCR's new Sustainable Neighborhoods Demonstration Program (SNDP), which Governor Cuomo included as part of his Urban Agenda. The innovative program uses existing resources to help local governments, municipal housing authorities and not-for-profits turn vacant buildings, blight, and distressed properties into quality affordable homes and green space. PUSH is utilizing a $500,000 SNDP award to create a "vacancy free" neighborhood, revitalizing a 20-block area on Buffalo's west side.

PUSH has received awards from other HCR programs including Housing Trust Fund, Neighborhood Stabilization Program, Urban Initiatives, and the NY Main Street Program. For example, PUSH utilized a NY Main Street Program award of $500,000 to assist 12 commercial and eight residential units and fund streetscape improvements in the Grant-Ferry neighborhood. The "Gateway to Grant" project leveraged private investment and is also being funded by the property owners, and the Local Initiatives Support Corporation.

HCR's investment in and partnership with PUSH helped the organization garner international recognition recently when it became the only U.S. finalist in Ashoka Changemaker's Sustainable Urban Housing: Collaborating for Liveable and Inclusive Cities competition. The competition honors the three most innovative solutions that engage multiple partners in developing affordable, inclusive, sustainable urban housing.

Community Development Block Grant (CDBG)

The NYS CDBG program provides financial assistance to eligible counties, cities, towns, and villages with populations under 50,000 and counties with an area population under 200,000, in order to help develop viable communities by providing decent, affordable housing, and expanding economic opportunities.

City of Plattsburgh (North Country)

The City of Plattsburgh, in partnership with the Lake City Local Development Corporation, has successfully advanced a dramatic transformation of the city's once struggling downtown using NYS grant resources, private investments and the City's Economic Development revolving loan funds. By articulating the city's Community Development and Downtown Revitalization goals, the city's Community Development Office has secured nine NYSCDBG awards to promote homeownership, repair water lines and assist businesses in the city. The City and Lake City LDC together have also been awarded four NY Main Street Program grants to repair commercial facades, storefronts and downtown apartments. To date, 35 downtown property owners have been assisted with $575,000 in NYMS grant funds. Approximately $830,000 has been leveraged from property owners and other funding sources.

Watervliet (Capital Region)

In 2008 the City of Watervliet requested $391,000 in NYS CDBG funds for an economic development project to assist in the expansion of Extreme Molding, LLC. Extreme Molding is a M/WBE located in the Watervliet Arsenal. The company provides custom injection molding of parts for the life sciences and telecommunications industries. The company specializes in infant and female

healthcare products. The $1.2 million project proposed to create of 25 new full-time jobs, with 23 made available to low- and moderate-income persons. NYS CDBG funding was used by Extreme to purchase new machinery and equipment to expand their product line allowing the company to go to three-shifts, five days a week. At completion of the expansion, Extreme Molding had exceeded all proposed job creation numbers, as well as dollar investment, and are continuing to expand in the City of Watervliet and at the Watervliet Arsenal.

Extreme Molding is a tenant of the Watervliet Arsenal Business Technology Partnership. The Partnership helps the Arsenal develop and lease space at the military installation that is going unused by the Army. The Watervliet Arsenal is the Army's largest volume manufacturer of large caliber cannons. The 2008 award of CDBG dollars was a strategic investment in the public/private partnership existing at the Arsenal that will strengthen the manufacturing sector in the Capital Region.

Neighborhood Preservation Program (NPP) & New York Main Street Program

The Neighborhood Preservation Program provides funds for staff and overhead for local community-based not-for-profits to provide housing and community services.

New York Main Street provides financial resources and technical assistance to communities to strengthen the economic vitality of the State's traditional Main Streets and neighborhoods. The New York Main Street program provides funds from the New York State Housing Trust Fund Corporation (HTFC) to units of local government, business improvement districts, and other not-for-profit organizations that are committed to revitalizing historic downtowns, mixed-use neighborhood commercial districts, and village centers.

South Wedge neighborhood (Rochester)—NPP and NY Main St

The South Wedge is a low-income neighborhood just south of downtown Rochester, 'wedged' between the Genesee River, the 490 Expressway, Highland Park and the University of Rochester. The South Wedge Planning Committee (SWPC) is a community group serving that neighborhood. It is funded through HCR's Neighborhood Preservation Program, and has leveraged those funds over the years with City, Federal, and Private Funding sources. Construction is now underway by Conifer to build a new, 131-unit, $31.8 million, mixed-income housing development on the Genesee River, to be known as Erie Harbor Village, utilizing City financing, Multi-family bond financing and 4% Low Income Housing Tax Credits, and other state resources.

SWPC and the Rochester Police Department worked together to establish citizen and police patrols that resulted in dramatic reductions in crime in the early 2000s. Over the past decade, SWPC has accessed $600,000 in New York Main Street Program funds to restore commercial buildings on South Avenue and South Clinton, and utilized funds from the Affordable Housing Corporation, the City's Community Development Block Grant, and the Federal Home Loan Bank, to make repairs and improvements to hundreds of homes. SWPC, working with Pathstone and the city, has also utilized HOME dollars to provide new affordable, rental and homeownership opportunities. Additionally, a long-term partnership with SUNY Geneseo and the Business Association of the South Wedge Area has provided technical assistance to small business owners, a market study, and a neighborhood promotional campaign. As a result, more than 30 new businesses have opened in the neighborhood, including several coffee shops, a grocery store, numerous restaurants and even a neighborhood farmers market.

SWPC and the City of Rochester have also utilized state, federal and local dollars to make infrastructure improvements over the past decade, including a new riverwall and walkway, a neighborhood kiosk, and park and streetscape enhancements, and the clean-up of several contaminated sites utilizing State Brownfield resources. This has created a walk-able, pedestrian friendly neighborhood and leveraged millions of dollars in private investment. Last year, Konar Properties completed construction on South and Hickory Place – a $4.8 million, mixed-use structure with retail businesses and 33 apartments. The deal included $1 million in financing from the City, with 14 units complying with the City's Affordable Housing Program. Conifer Realty utilized tax exempt bond financing from HFA in 2009 on an $18.5 million restoration project for The Hamilton, a 202-unit, low income housing complex on the Genesee River. Plans are now underway for Conifer to develop a new 131-unit, $31.5 million, mixed-income project, to be known as Erie Harbor Village, utilizing a combination of City and Housing Finance Agency financing.

Town of Riverhead (Long Island)—NY Main St

The Town of Riverhead's NY Main Street Downtown Revitalization Program has taken place in three phases and has spurred investment and economic growth in the area by focusing on key downtown anchor properties and other mixed-use, commercial and residential buildings that were previously vacant or underutilized and in need of improvement. Successful properties that have benefitted Riverhead's NY Main Street Program have included renowned and award-winning restaurants, a historic theater, and a music hall. To date, 17 downtown properties have been assisted with $900,000 in Main Street funds. Approximately $34,995,000 has been leveraged by property owners and other funding sources, such as NYS ESDC, HUD CDBG, and Suffolk County's Office of Community

Development. In addition to expanding downtown improvements through capitalizing on previous success and utilizing a wide range of funding sources, Riverhead has demonstrated a strong partnership between their Business Improvement District and town government throughout the process.

City of Cortland (Central New York)—NY Main St

Two not-for-profit agencies in the City of Cortland received three NY Main Street Program awards in 2004, 2005 and 2008 totaling $600,000 to serve the Central Business District - downtown Cortland including the Historic District. Combined, these programs improved 25 buildings housing 75 commercial units, 13 residential units and 3 civic units. NYS CDBG economic development funds established the Cortland Microenterprise Program. Microenterprise funds have been coupled with Main Street facade funds for at least one project. The city also partnered with SUNY Cortland to improve the building that houses 'Main Street SUNY Cortland'. This organization assists the economic development of the surrounding community while increasing civic engagement of their students. The first floor houses the office of the Institute for Civic Engagement's Community Outreach Partnership Center, the office of the director of the Cortland Downtown Partnership and the Center for Economic Education (CEE). The second floor has two classrooms where both graduate-level and undergraduate classes are scheduled. The third and fourth floors house four residential units. $100,000 of NY Main Street funding has improved the three commercial units and two of the residential units in this building.

Mount Morris (Finger Lakes)—NY Main St

In the Village of Mount Morris, a $400,000 New York Main Street Program award has played a vital role in the reduction of commercial vacancies by partially funding the rehabilitation of 6 mixed use buildings and counting. Income from newly renovated upper story rental units is allowing landlords to offer 1st floor commercial space at a lower rent, aiding in the attraction and retention of business to the downtown community. The Village has combined the incentives of the Main Street program with a $200,000 CDBG funded microenterprise program, which has helped with entrepreneurial training and in bringing goods and services to the central business district. These two programs are working in tandem with CDBG funded programs at the County level, such as rental subsidy, to maximize private investment and market downtown Mount Morris as a desirable location to live, work and play.

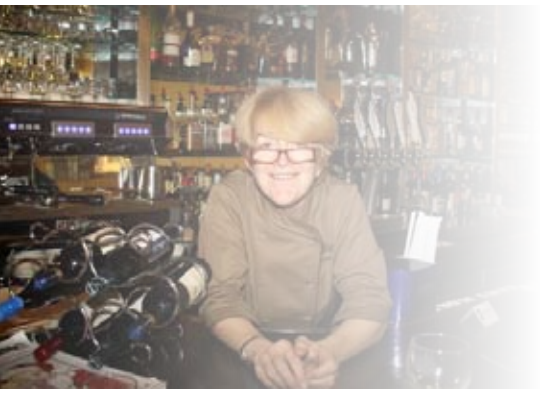
Housing Trust Fund, Low Income Housing Tax Credits, and New York Main Street Program

HCR offers federal and State tax credits and low-interest loans to assist in the development and preservation of affordable multi-family rental housing throughout the State.

Depending on the type of assistance requested, eligible applicants include not-for-profit corporations or charitable organizations or their wholly-owned subsidiaries; housing development fund compainies; municipalities, housing authorities; for-profit developers; limited partnerships; and limited liability corporations.

Housing units assisted through HCR's Multi-Family Rental Programs are subject to rent restrictions and may only be rented to income qualified households. For example, units assisted by federal Low Income Housing Tax Credits must be affordable to households earning 60% or less of area median income, while units assisted by State Low Income Housing Tax Credits can serve households at or below 90% of area median income.

The Prospect Hill Neighborhood (Northside Syracuse)



Local not-for-profit and business leaders have joined St. Joseph's Hospital Health Center in revitalizing the Prospect Hill neighborhood and the Northside of Syracuse surrounding the hospital. North East Hawley Development Association (NEHDA) utilized $200,000 in New York Main Street Program funds in the mid 2000s to revitalize buildings on North Salina Street Corridor, known as Little Italy. In 2008, HCR provided $2.2 million in financing from the Housing Trust Fund and Low Income Housing Tax Credits to Housing Visions for Prospect Hill Homes. The city also contributed $346,000. This project included the rehab of three houses and the construction of 12 more, producing 50 units of scattered site, affordable rental housing.

Working with Home Headquarters, the Affordable Housing Corporation approved an $800,000 grant to acquire and rehabilitate houses in the city, with a special focus on properties in the Prospect Hill neighborhood. Continuing the revitalization efforts, St. Joseph's, CenterState Corporation for Economic Development, Catholic Charities of Onondaga County, and Franciscan Collaborative Ministries are working together in Northside UP (Northside Urban Partnership) on a variety of revitalization strategies, including job training and economic development, green space improvement and public art.

Low Income Housing Tax Credits, Tax Exempt Bonds & Home for Working Families Financing

Melrose Commons (The Bronx)

The Melrose Commons project developed the last remaining vacant lots and completed the vision of the community as defined in the Melrose Commons Urban Renewal Area Plan. The $16.5 million project was financed with Low Income Housing Tax credits, Tax exempt Bonds, and Homes for Working Families financing through HCR and NYC HDC. It is part of New York City's New Housing Market Plan to provide affordable housing to 500,000 New Yorkers, and is also a vital component of the city's Five Borough Economic Opportunity Plan to create jobs in communities, implement a long-term vision for growing the city's economy and build attractive affordable neighborhoods.

The Melrose Commons Urban Renewal Area consists of approximately 46 contiguous acres located in the center of the South Bronx. The plan created 66 sites with land designated for housing development as well as commercial and community facility use and open space. The Eltona is a mix of 1, 2 and 3 bedroom units with resident storage and laundry rooms on each floor in addition to a community room, onsite parking, and 6,800 sq. ft. of landscaped recreation and community garden space.

This LEED-platinum certified award winning development is in a section of the South Bronx which is part of the Harlem/South Bronx Asthma Corridor. It has one of the highest rates of childhood asthma. The development team's comprehensive approach utilizing both Brownfield clean-up and wind-turbines, as well as Mt. Sinai School of Medicines ongoing study that investigates and quantifies the effects of living in a green building has on the respiratory health of asthma sufferers. To this end the indoor quality at the Eltona is essential for the success of the building and the Mount Sinai study. The building is 100 percent smoke-free with separate air ventilation systems in each apartment instead of a central air duct system. The participation of the tenants in this study addresses a comprehensive way the health, economic and environmental benefits of affordable housing can bring to communities across the state.

The developer, Blue Sea Development, has also partnered with Wildcat Service Corporation whose mission is to provide comprehensive creative workforce development services to undereducated, unemployed, underemployed low-income residents of New York City to assure their self sufficiency. Wildcat is providing onsite employment, education, health and other counseling services free of charge for the Eltona residents.

Hudson River Valley Greenway

The Hudson River Valley Greenway is an innovative New York State entity created to facilitate the development of a regional strategy for preserving the scenic, natural, historic, cultural and recreational resources of the Valley, while encouraging compatible economic development initiatives and maintaining the tradition of municipal home rule. The Hudson River Valley Greenway geographic area includes 321 municipalities in 14 counties. The Greenway also serves as the management entity for the congressionally designated Hudson River Valley National Heritage Area. Throughout all of its programs, the Greenway seeks interagency and inter-municipal partnerships and works to build public-private partnerships to advance its programs and projects.

Greenway Communities Program

The Greenway is designed to encourage Hudson River Valley communities to develop projects and initiatives related to the criteria of natural and cultural resource protection, regional and local planning, economic development, public access to the Hudson River (as well as other regional and local resources), and heritage and environmental education. 269 out of the 324 eligible municipalities within the Greenway area have passed a resolution in support of the voluntary balanced approach of the Greenway Criteria. The Greenway provides technical and financial assistance to communities through the Greenway Communities Grant program.

Villages of Chestnut Ridge and Pomona, Rockland County for the Rockland Farm Alliance

The Hudson River Valley Greenway was able to provide a $20,000 matching grant to the villages of Chestnut Ridge and Pomona on behalf of the Rockland Farm Alliance to implement the Glynwood Center's Keep Farming Program in Rockland County.

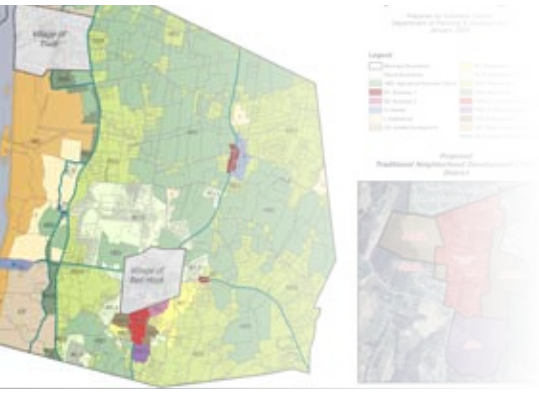
This project represents an important step in changing the perception of agriculture in this region of the Hudson River Valley. This new paradigm will serve as a model to other urban and suburban communities that want to benefit from the quality and variety of locally produced agriculture products but do not fit the traditional idea of a farming community. This kind of local agriculture not only pays dividends to our regional economy but it is also part of our response to climate change. Food in a grocery store typically travels 1,000 miles or more, while the typical food in a farmers market travels one-tenth of that distance.

"Our model for small-scale sustainable farms for suburban areas has been recognized as cutting edge by state organizations and elected officials, thanks in large part to the support we have received from the Hudson River Valley Greenway."

John McDowell, President, Rockland Farm Alliance

Town of Saugerties, Ulster County ($10,000): GEIS Planning

A Greenway Communities Grant provided funding for a Generic Environmental Impact Statement (GEIS) for the 464 acres and 56 parcels in the Kings Highway Water and Sewer District along Kings Highway in Saugerties, Ulster County. The project examined existing conditions and the potential environmental and social impact of business development along the Kings Highway Corridor, and proposed necessary mitigation actions to minimize negative impacts. This investment will streamline the development review process and help create shovel-ready opportunities.



Greenway Compact Program

The Greenway Compact program takes community planning one step further through a coordinated process for voluntary cooperation in support of the five Greenway Criteria. The Compact process is voluntary and occurs on the county level through the development of a county-wide regional plan, or "Compact." Municipalities can choose to "opt-in" to the Compact by incorporating it in their local zoning ordinance.

Dutchess County Greenway Compact: Greenway Connections

Dutchess County developed the first model compact plan in 2000 that serves as the benchmark for compact planning. Dutchess County's Compact, Greenway Connections, has translated into numerous intermunicipal partnerships and projects, and has served as a guide for the coordination of county and local government priorities.

29 of the 30 communities in Dutchess have adopted the Compact and more than half have undertaken Greenway-related revisions of comprehensive plans and zoning ordinances. At the same time, the County has appropriated $6.6 million and committed an additional $2 million in its capital program to support its Open Space and Farmland Protection Matching Grant Program. Projects completed and pending will protect 2,460 acres of farmland through PDR and 515 acres of public open space through fee simple acquisition by local municipalities.

The Initial success of these county programs have led municipalities in Dutchess to appropriate more than $12.13 million in matching local funds for open space and farmland protection. To date the County has been awarded $6.4 million in NYS open space and farmland protection grants; commitments from the private sector including local land trusts total an additional $4.5 million.

Red Hook Centers and Greenspaces Plan

In 2005, the Greenway awarded $15,000 to the Town of Red Hook for an intermunicipal growth and preservation project. Partners included Town of Red Hook, Village of Red Hook, Village of Tivoli, Dutchess County and the

Red Hook Central School District. As a result, the partner communities developed the first intermunicipal proposal in Dutchess County for targeting growth around existing centers in order to preserve greenspaces in the town from development. The resulting proposal was The Centers and Greenspaces Plan.

In partnership with the county, the Greenway also provided the framework within which this project could thrive: the Greenway Compact. The Greenway was able to help these communities advance regional planning goals by providing critical seed money and continued support at project milestones to help keep it moving. In addition to the initial grant award, the Greenway provided funding for a fiscal impact analysis and an infrastructure feasibility study. These Greenway grants positioned Red Hook to be able to secure $3.6 million dollars in infrastructure funding from the state and federal government. As a result, these regional partners are now poised to realize their vision of building a walkable and sustainable community.

Greenway Trail and Small Grants Program

The Greenway Trail system includes riverside trails, countryside corridors and connector trails, as well as the Hudson River Greenway Water Trail. This diverse network of trails links important cultural and historic sites, parks, open spaces and downtown communities and also provides public access to the Hudson River. In 2011, The Hudson River Valley Greenway Land and Water Trails has been honored in the "best new trails" category with both the Editor's Choice and People's Choice Awards for the Heart of Green Awards at TheDailyGreen.com. The Greenway Trail was nominated along with six trails from across the country.

To date, the Hudson River Greenway Water Trail can boast 256 miles of trail over 90 sites in 54 communities along the river. The Greenway has provided water trail kiosks, kayak racks and lockers and water trail flags along the Water Trail and funding for capital improvements to Water Trail sites throughout the Valley. More than a dozen businesses have sprung up to meet area demands for kayaking lessons, equipment, rentals and tours. This project represents the essence of the Greenway. The Water Trail's success is the result of public/ private partnerships, interagency and intermunicipal cooperation.

Sojourner Truth/Ulster Landing County Park ADA Accessible Trail

In 2009, the Hudson River Valley Greenway awarded $7,000 to Ulster County for construction of approximately 400 feet of ADA-accessible pathway at the Sojourner Truth/ Ulster Landing County Park. This new pathway connects the parking area to a preexisting ADA-accessible riverside trail which was not previously reachable to everyone. The trail includes a scenic overlook with a bench. The County has received Greenway designation for the entire Sojourner Truth/Ulster Landing County Park trail system. This includes a

Hudson River Greenway Water Trail launch site, as well as a mile of designated Greenway Riverside Trail. This trail also connects to 2.3 miles of Turkey Point State Forest Trails, also part of the Greenway Trail system.

Rensselaer County Trail Vision Plan

The Trail Vision Plan for Rensselaer County was developed by the Rensselaer County Alliance for Trails, in partnership with the Rensselaer Land Trust and Rensselaer County.

The Greenway awarded a matching grant of $9,500 for the creation of the Trail Vision Plan for Rensselaer County. The Plan was developed by the Rensselaer County Alliance for Trails in partnership with the Rensselaer Land Trust and Rensselaer County. The plan includes an inventory of the existing trails in the county and the development of a vision plan for a regional trail system. This was done through extensive research and communication with the communities in Rensselaer County. Visioning sessions were conducted throughout the county to gain public input.

The Greenway awarded a matching grant of $9,500 for the creation of the Trail Vision Plan for Rensselaer County. This was done through extensive research and communication with the communities in Renesselaer County. The plan identifies ten regional trail concepts for Rensselaer County.

The resulting plan provides a guide for planning trails in the County, and helps communities to work together to achieve their trail goals. The plan also helps county stakeholders prioritize trail projects, secure funding, and target funding and resources to complete those projects. The plan identifies ten regional trail concepts for Rensselaer County.

This plan provided a conduit for communities in Rensselaer and Columbia counties to work together from opposite ends to plan and construct segments of the Albany-Hudson Electric Trail. That will eventually connect East Greenbush to the town of Stockport in Columbia County and beyond to the Harlem Valley Rail Trail. Greenway grants provided funding for feasibility studies for trail segments in Kinderhook (leading to a $700,000 construction grant), East Greenbush, Nassau and most recently the Towns of Stockport, Stuyvesant and Kinderhook.

Watervliet Kayak Launch Floating Docks

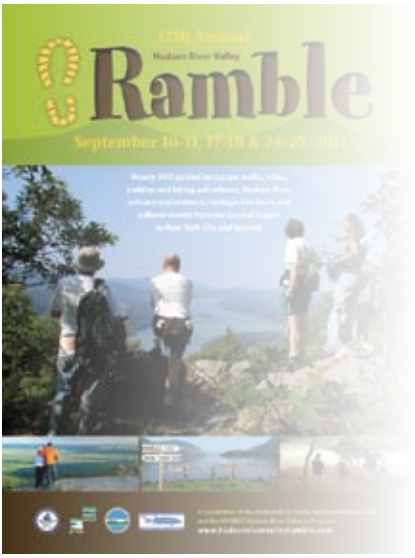
The Greenway provided $32,500 to the City of Watervliet to create a new multi use launch at Hudson Shores Park. The launch is a 60 foot floating dock with an 8 foot wide ramp leading to it. The dock is designed for use by both kayaks and crew shells. This project is part of an overall plan to add a crew shell storage building. The new launch is the only designated site between Waterford and Albany on the west shore, a distance of 12 miles.

The Annual Great Hudson River Paddle

The Great Hudson River Paddle is a month-long celebration of paddling in the Hudson Valley. Partners include outfitters, NGOs, communities, agencies, and tourism promotion organizations. The new Great Hudson River Paddle will be modeled on the celebrated Hudson River Valley Ramble and will include short overnight paddles, day paddles, free paddles, paddle races, and any other events our partners dream up. The goals of the change are to get more people out on the Hudson in a safe and fun environment and to bolster local economic development through increased ecotourism. The event supports eco-tourism as a component of the Hudson Valley's $4.7 billion tourism economy. www.greatHRpaddle.org

Hudson River Valley National Heritage Area

National Heritage Areas are places where natural, cultural, historic and scenic resources combine to tell a rich and distinctly American story. Designated by Congress, National Heritage Areas recognize how a region's geography, people, and ways of life shape a regional landscape and impact the nation as a whole. Through a partnership with the National Park Service, Hudson River Valley National Heritage Area collaborates with residents, communities government agencies, non-profit groups and private partners to interpret, preserve and celebrate the nationally-significant cultural and natural resources of the Hudson River Valley. In this way, we encourage public stewardship for these resources as well as economic activity at the local and regional level. www.hudsonrivervalley.com



Hudson River Valley Ramble

The Hudson River Valley Ramble highlights the scenic, natural, cultural and historic riches and resources that earned the region its designation as a National Heritage Area. The Ramble began as an effort to encourage use of the Greenway trail system, and has grown into a highly anticipated month-long celebration of the best the region has to offer, attracting thousands of heritage and eco-tourists. The Ramble generates millions in economic impact each year! The event series, listed on www.hudsonrivervalleyramble.com , offers more than 200 guided outdoor experiences which allow for exploration of the vast riches of the National Heritage Area.

New York Heritage Weekend

Heritage Tourists have been known to stay longer and spend more than typical tourists. Over 120 partner organizations host Heritage Weekend events. Event themes include: Military History, Arts and Culture, Corridor of Commerce, Innovation, Architecture, Freedom and Dignity, Traditions and Cultures, Community Heritage. NY Heritage Weekend is an event that seeks to leverage New York's unparalleled heritage to grow the state's $75 billon tourism economy. www.heritageweekend.org

Department of Labor

New York State's Labor Department vigorously enforces state labor laws to provide a level playing field for law-abiding employers. We work aggressively to ensure a fair wage for all workers and protect the safety and health of workers and the public. We assist the unemployed by providing temporary financial assistance, connect job seekers with employers, and build a workforce that helps New York's businesses compete in today's global economy.

The Department is nearly 90 percent federally funded. From a regional focus, it includes a network of 88 One Stop Career Centers located throughout New York to help support these efforts. We connect job seekers and businesses statewide by working to create job opportunities, offer job fairs, and help workers find a job, an apprenticeship or a training opportunity. We also help businesses find skilled workers. The Department generates labor market information from both a state and a regional perspective, including identification of the civilian labor force, the number employed, the number unemployed and the unemployment rate in each of the ten regions.

State Workforce Investment Board

The New York State Workforce Investment Board (SWIB), established under the federal Workforce Investment Act (WIA), is an existing framework that can be used to coordinate the services of state agencies to meet the workforce needs of the private sector and provide a pipeline of qualified workers. The SWIB has helped establish partnerships between education, research institutions and the private sector while increasing performance and accountability.

Regional Sector Grants (13N)

The SWIB and NYSDOL made a significant investment in industry and sector initiatives through its Transformational Strategies using a Sector Based Approach grant (also referred to as the 13N grant). These grants encouraged many of the 33 local Workforce Investment Boards (WIB) to develop strong regional partnerships with local economic development agencies, community colleges, community based organizations, and neighboring WIBs to address sector-based workforce needs. Some examples include the North Country Chamber of Commerce which developed an Aviation Technology Program, in conjunction with the Plattsburgh Aeronautical Institute at CV-Tech, which is FAA approved through the Part 147 Airframe and Powerplant program. Graduates can earn up to 36 articulated technical credits through Clinton Community College and 42 articulated credits through Mohawk Valley Community College with no additional charge. Approved by the New York State Education Department, this program offers

students a diverse technical and training opportunity to prepare highly skilled aeronautical technicians in accordance with the standards set by the FAA.

The Long Island 13N grant, a three-year project that will conclude in 2011, exceeded expectations, shifted to meet the needs of an economy and workforce in crisis, and collaborated with a myriad of partners. The 13N project began in 2008 with a skills gap survey of the Manufacturing, Healthcare, and IT industries on Long Island that indicated a need for workers with STEM training and other industry-specific skills with an initial mission to provide training for about 400 incumbent workers to prepare them for a transforming economy. The result was that over 2,000 workers received training, of which about 1,300 were dislocated workers referred to the program by the local WIBS, and about 700 were incumbent workers who were referred by private industry, with priority given to companies that participated in the initial survey.

The SWIB led a project with five other states to establish a National Work Readiness Credential (NWRC) for entry level workers. Based on the National Institute for Literacy's "Equipped for the Future" learning standards, the NWRC is a battery of four tests that measure eight essential workplace skills deemed most critical by employers. The NWRC enhances the marketability of entry-level job seekers and helps businesses identify better qualified candidates. The new GE Battery Plant in the Capital District area has committed to using the NWRC in their hiring process coordinated through NYSDOL and the One Stop Career Center system.

One Stop Career Center System

New York State's One Stop Career Center system is a network of sites for employment related services where individuals (adults, dislocated workers and youth) and businesses can get assistance. The overall purpose of the One Stop Career Center system is to assist individuals in preparing for and finding employment or reemployment, and to assist businesses in finding and retaining a skilled workforce.

There are 88 One Stop Career Centers located across the state to provide services that are primarily free of charge. Individuals can access services such as a resource room with access to computers and other technology, skills assessments, labor market information, access to training and skills workshops, and career search resources. Businesses can use the One-Stop Career Centers and the Business Services staff to post job openings, access jobseekers' resumes, and utilize human resources services. Examples of successful programs and services follow.

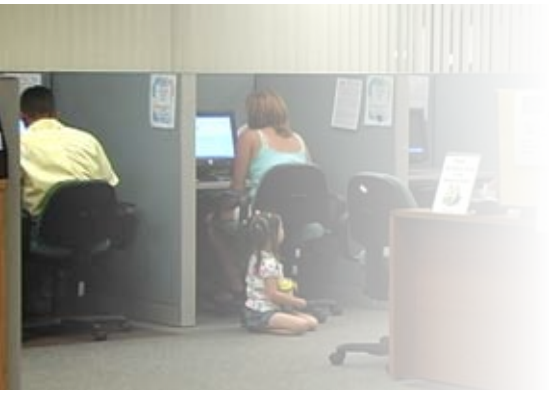
One Stop Center locations can be found at: http://www.labor.ny.gov/workforcenypartners/osview.asp.

Trade Act Training

The federal Trade Adjustment Assistance (TAA) Program helps prepare individuals who have become unemployed as a result of competition from foreign trade for reemployment in fields where they are likely to remain employed and earn wages comparable to their prior jobs. The Trade and Globalization Adjustment Assistance Act of 2009 (TGAA) was part of the ARRA, and made significant expansions to the TAA program. The Mohawk Valley Region is home to one of the largest refugee relocations in the Northeast and has been hit hard by the recession. On April 30, 2011, 84 employees from Hyosung USA, Inc. were let go. All the employees are TGAA eligible, but because more than three-quarters of them are non-English Language Speakers, accessing TGAA is problematic. In order to help these employees, the local management of Hyosung USA, Inc. allowed the One Stop Career Center system's Rapid Response Team, local WIB and Mohawk Valley Community College to conduct TGAA informational sessions and introduce a specially designed English as a Second Language (ESL) and vocational training program. With full cooperation from management and the union, Hyosung employees are able to complete three-hour placement/ESL testing on company time. This enables the college to develop a summer remediation program readying the employee for traditional ESL classes and vocational training.

Immigrant Workforce Counselors

NYSDOL hired immigrant workforce counselors at several One Stop Career Centers to help serve immigrant and limited English speaking jobseekers in the Bronx, Brooklyn, Buffalo, Flushing, Patchogue, Syracuse, Utica and Yonkers areas. The counselors work with One Stop Center staff on ways to better serve New Yorkers from all backgrounds and help immigrants better navigate our workforce system. The counselors establish relationships with community organizations that serve the immigrant populations and encourage partnership with the One Stop Career Center system for increased employment.



WIA Funded Training Examples

In partnership with SUNY Stony Brook, the Suffolk County One Stop Career Center retrained over 200 displaced workers from the hardest hit sectors of the local economy - finance, IT and mortgage industries - as Project Management Professionals (PMP). These workers generally had high levels of education, high salaries in industries that had been severely downsized and would be slow to return to in the near future. This rapid retraining response was completed in six months through a partnership with Stony Brook Universities Center for Emerging Technologies. Workforce Investment Act ARRA (stimulus) funding was used in a quick and efficient manner to retrain these county residents for demand jobs and quickly return them to the labor force.

SMART Technology Tool

The One-Stops have job search tools at their disposal, such as JobCentral and skills matching through SMART (Skills Matching and Referral Technology). An example of a success story with this technology is Stephen, a Senior Account Manager with RR Donnelly until he lost his job in 2008 at the age of 56. He came to the Massapequa One-Stop Career Center in October of 2008, and quickly became a major contributor to the Career Center Job Club. He utilized many of the Career Center services, attending the job search workshops including Marketing You and Using Your Age to Your Reemployment Advantage. He also posted his resume on SMART (Skills Matching and Referral Technology), and was very involved in LinkedIn as a result of LinkedIn training at the Job Club meetings. In November 2010, he became employed as an Account Manager at Quality Shredding Corporation, but continues to work with some members of the Job Club even now.

Youth Services

One-Stops are becoming more youth-friendly. Youth ages 14 through 21 are served across the state through WIA and other funded programs, typically administered and overseen by the local WIBs who contract with local program providers. Youth programs funded under WIA include activities such as tutoring, study skills and dropout prevention; summer employment opportunities; paid and unpaid work experience; supportive services; adult mentoring; comprehensive guidance and counseling; alternative secondary school offerings; and follow-up activities. In the Buffalo area, many WIA youth services are delivered through a contract with Catholic Charities. One of the staff at the Buffalo program shared a story about Jon, a young man of 16 who had a learning disability and an unsuccessful high school experience that led him to seek the services of Catholic Charities' Tomorrow's Youth Today Program. Through a WIA grant, the program provides academic instruction, job readiness skills, job assistance and college preparation for out of school youth. Approximately 80% of the students have special needs. The program counselor wrote of Jon's success with the program: "Jon enrolled in the program in June 2008 and tutored with his teacher at a library near his home two times per week. He was eligible and ready to test for his GED by October 2009, which he passed. He graduated prior to the date his school system projected as his graduation date. He received job readiness training and began looking into colleges. He found employment and began saving money for his education."

Youth Portal

A new feature was added to NYSDOL's web site in September of 2010 to help introduce youth to the world of work in New York State. The new gateway for youth - www.labor.ny.gov/youth - serves as a single point of contact to connect youth with the tools and resources they need to build a resume, budget for self-sufficiency or find their first job. The new web portal, branded "Dream it, Plan it and Make it Happen," provides targeted resources for youth ages 14-17 and 18-24. It blends conventional wisdom for teens such as how to get working papers, prepare for job interviews and obey labor laws, with critical messages on career success. A link to NYSDOL's CareerZone site can be accessed through the Youth Portal. CareerZone displays in-depth career and education information for more than 800 occupations, including job descriptions, estimated wages and the job outlook for each occupation. The special STEM portal, found at www.careerzone.ny.gov/stemventure, features a video application that lets students create their own avatars and explore a variety of STEM careers.

Business Services are available in the One-Stop Career Centers as well. Below are examples.

Layoff Aversion Strategies

NY ASSET is a program being piloted in the NYC and Long Island regions aimed at helping businesses in distress to isolate problems, find solutions, retain their workforce and avoid closure. Services include turnaround assistance, access to capital, production assistance, HR consultation and marketing as well as other solutions. To date, NY ASSET and partners have assessed and provided services to more than 61 businesses. Mr. Robert Usdin, President of Showman Fabricators, Inc. wrote to NYSDOL about NY ASSET: "I would like to express my gratitude to the Department of Labor for allowing Showman Fabricator, Inc. to participate in the NY ASSET Program. As with many companies in the region, we began to see significant financial challenges that threatened the continuation of our 24 year old company. I saw a posting offering the services of your department and within days of contacting your staff, they were able to provide services at a speed and manner unlike any we have ever received from any government agency. We hope that with these services, Showman will remain a vital part of New York's entertainment future."

The Shared Work Program helps businesses survive temporary downturns by giving them an alternative to layoffs and allowing them to retain their skilled workforce. Businesses are able to cut back their employees' hours and workers are able to collect partial Unemployment Insurance Benefits to offset the loss in

income. Randy Wolken, President, Manufacturing Association of Central New York, said, "During these trying economic times, the Department of Labor's Shared Work program is the type of temporary assistance some of our members need. The current economic crisis can be stifling and difficult for manufacturers, but by no means permanent. Programs such as Shared Work offer a temporary bridge that allows a company to maintain their current employees, and still scale back as necessary, until times turns around. I encourage all companies who are seeing temporary difficulties as a direct result of the economy to investigate using this important resource."

More information about Shared Work can be found at: http://www.labor.ny.gov/ui/dande/sharedwork1.shtm and a video describing how the Shared Work Program helped the Raymond Corporation keep its workers can be found at: http://www.labor.ny.gov/pressreleases/2010/Raymond_Video.shtm

On-the-Job Training (OJT)

More recently, businesses have become interested in OJT programs, which help unemployed individuals re-enter the workforce by providing an incentive to businesses to hire and train them. Business Services staff and the one-stop system match businesses with qualified individuals who need specialized training to be competent on the job. In return, the business receives a partial reimbursement of the candidates' wages during training. Sherry DePerno, the President and CEO of Advanced Tool, Inc. in Oneida County praised the OJT program in helping her company: "The OJT is a fantastic program that allowed us to hire an Office Assistant that had been unemployed for quite some time. She is turning out to be an excellent employee and the reimbursement of her training wages is a huge help. We are a small manufacturer trying to grow again after a long period of weak revenues. The only reason we were able to add this hire at this time is because of the financial support. Without it, we would have had to wait until the economy was stronger."

NYSDOL and the Westchester-Putnam WIB allocated about $40,000 in training dollars at Northern Westchester Hospital to train 40 workers. About half were existing workers who used incumbent training dollars, the other half were new workers who used OJT dollars. The training began in March 2010 and, had the funds not been made available, almost half of the incumbent workers could have been laid off and none of the new workers would have been hired.

Apprenticeship Training

Apprencticeship is a valuable training system which provides New York State businesses with a well-trained, highly-skilled workforce by combining structured on-the-job training with related technical instruction. This system allows apprentices to learn a new trade while continuing to earn wages and, upon successful completion, provides a nationally recognized portable work credential. Welch Allyn in Skaneateles has had an apprenticeship training program since 2002 in the Machinist (CNC) trade. They have had six out of 10 completions since 2002 and currently have one active apprentice in the trade. They have applied for a new apprenticeship program in the Electronics-Mechanic (CNC Systems Maintenance) trade. The program application is currently being reviewed in Albany.

Job seekers looking to become apprentices must meet minimum eligibility criteria outlined in sponsor recruitments listed on the Department of Labor website (www.labor.ny.gov). For more information about the Registered Apprenticeship Program, go to http://www.labor.ny.gov/formsdocs/app/P532_4-10.pdf.

Customized Career Fairs and Recruitments

The NYS Labor Department holds dozens of career fairs and customized recruitments across the state each year. These events are the ideal opportunity for businesses to get a better sense of the labor market, as well as meet several candidates face-to-face in one setting. Over the past several months, large companies in the Capital District region such as GlobalFoundries and General Electric have been assisted as well as smaller businesses such as Preferred Home Care. In August of 2010, NYSDOL worked with the GlobalFoundries Fab 8 to set up a recruitment event. NYSDOL sent out 1,200 invitations to individuals in the One Stop Career Center system's Talent Bank from the Capital Region who were Engineers or Engineering Technicians, as well as former employees of NXP from the Hudson Valley Region. An additional 230 jobseekers with HVAC and Maintenance and Installation Technician titles were invited. Outreach was also done to the area community colleges and SUNY to invite currently enrolled students and recent graduates of advanced manufacturing/engineering degree programs.

Hiring Incentives and Tax Credits

Federal and state tax credits are available to businesses for hiring qualified individuals. These tax credits can mean substantial savings to New York State businesses. The Work Opportunity Tax Credit (WOTC) is a federal tax credit designed to promote hiring of individuals of a specific target group by providing businesses with up to $2,400 in federal tax savings for hiring low-income

individuals with barriers to employment. There were over 15,000 applications in 2010. For more information, go to: http://www.labor.ny.gov/businessservices/EDSU/EDSU%20WOTC.shtm.

The Workers with Disabilities Tax Credit (WETC) is a New York State tax credit which can result in $2,100 for each individual hired. WETC is a business-friendly benefit for companies hiring workers with disabilities: there is no limit to the number of hires, minimal paperwork is required, and businesses decide whom to hire. For more details, go to: http://www.labor.ny.gov/businessservices/EDSU/EDSU%20WETC.shtm.

Rural Employment Services

The Rural Employment Service provides a wide variety of assistance to businesses, specifically: (1) matching workers' skills and experiences to make sure they meet the required job specifications for businesses; and (2) providing general information to businesses on labor market conditions, employment trends, agricultural laws, youth permits and government programs. Examples of the services offered include the Migrant Outreach Program, Agricultural Immigration and Field Checks. Specially trained Rural Labor Service Representatives and Rural Employment Aides are located in NYSDOL offices across the State where labor-intensive agriculture is found and can be contacted through the One Stop Centers.

GreenCareersNY.com

GreenCareersNY is a portal launched in a partnership between NYSDOL and the NYS Energy Research and Development Authority (NYSERDA) under the Green Jobs-Green New York (GJGNY) legislation to match job seekers with green jobs and training opportunities. This portal helps visitors find information on a variety of "green" topics including information about green jobs and careers, how to get green training, and incentives for going green. There is also a link on the website to the state labor market information green business information survey which seeks to quantify green jobs and identify new, emerging and enhanced skills needed for green jobs. NYSDOL is surveying 20,000 businesses in six industry clusters: construction; energy and environmental-related product manufacturing; electric power generation, transmission and distribution; professional services; financial services; and building services. Survey results will be made available on the GreenCareersNY website as soon as the research is complete.

Green Training Programs

The GJGNY initiative administered by NYSERDA has an $8M workforce devel-

opment operating plan to establish green training programs. NYSDOL is currently working with NYSERDA to draft a $1.8 million solicitation targeted at NYS Registered Apprenticeship in order to help accelerate hiring and the number of skilled workers in the energy efficiency and building performance sectors. This funding is projected to support training for approximately 450 workers.

Employment Support System

NYSDOL's federally funded One Stop Operating System (OSOS) is the statewide case management and reporting vehicle for the One Stop Career Center System and serves as the platform for implementing a common data system among multiple state agencies serving job seekers with disabilities. The Employment Support System project is funded under the federal Medicaid Infrastructure Grant administered by the NYS Office of Mental Health (OMH). NYSDOL has joined with OMH to redesign their current service delivery system so to give individuals with disabilities access to the full range of employment services and support available in New York.

The five other agencies participating in the new Employment Support System include: the Office for People with Developmental Disabilities, the Office of Vocational and Educational Services for Individuals with Disabilities, the Commission for the Blind and Visually Handicapped, the Office of Alcoholism and Substance Abuse Services, and the State Office for the Aging. For the first time, this system expansion will be able to produce integrated reports from data shared across state agencies, which will not only allow each of the participating agencies to meet their state/federal reporting requirements related to employment outcomes but will also provide valuable new management information that will allow the state to create efficiencies and maximize federal reimbursement matching dollars.

Career Pathways

NYSDOL joined the Office of Temporary and Disability Assistance (OTDA) to establish the Career Pathways Initiative that expands access to education and occupational training for individuals on Family Assistance and others with low incomes (age 16 and over). The Career Pathways initiative focuses on skill development through targeted job skills training for jobs with career pathways in high growth or high demand industries. Trainees receive industry-recognized credentials, diplomas or certificates that lead to opportunities for career advancement and better salaries. Temporary Assistance to Needy Families (TANF) funds in the amount of $12.5M and WIA funds in the amount of $5M funded contracts with not-for-profit community-based organizations for programs that offer a range of career pathway activities and services. The sectors targeted through the programs

include: Healthcare, Renewable Energy, Building Trades, Construction, Retail, Information Technology, Maintenance, Transportation, Administrative Support, Security and Food Service. Twenty-eight organizations were awarded to serve 4,000 people. Program participants have received 2,504 credentials and recorded 450 job placements. These contracts continue through 2011.

Weatherization Training and Work Readiness

For the past two years, NYSDOL has partnered with the NYS Office of Children and Family Services on a number of workforce initiatives aimed at helping young adults transitioning out of juvenile justice facilities. The weatherization program will provide hands-on training in weatherization techniques, an introduction to work readiness and assessment through the National Work Readiness Credential, and career planning assistance. NYSDOL is assisting OCFS in planning for the formalization of their use of the CareerZone system with incarcerated youth.

The Department of Labor's Research and Statistics division can provide a variety of reports on regional labor market information. This information will assist the Regional Councils to clarify employment information in each of the regions and identify local workforce demographics and trends. Shown below is a listing of reports and data available from the Research and Statistics Division.

Significant Industries

One of the major objectives of the workforce development system is to encourage local WIBS to plan strategically and focus their resources in priority industries. NYSDOL looked at job counts, wage levels, job growth from 2006-2009, and expected job growth to develop a list significant statewide industries. The report is available online for the regions and on a statewide level at: http://www.labor.ny.gov/stats/PDFs/Significant_Industries_Report_0610.pdf

Industry Clusters

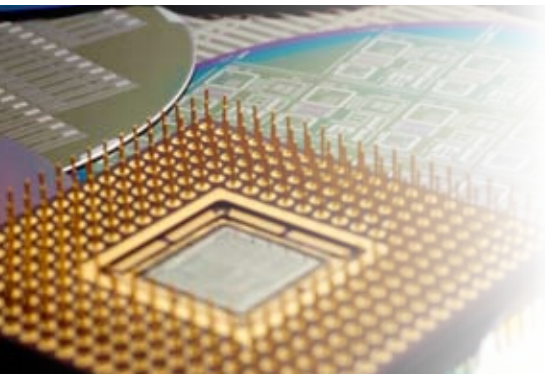
Industry clusters are an important analytical tool for understanding the characteristics of the statewide and regional economies in New York. They are particularly useful in a variety of workforce and economic development applications. The clusters framework is increasingly used by the State of New York to study important industry linkages in the state and regional economies. The New York State Department of Labor has published a statewide and regional analysis of regional clusters. It is available on-line at: http://www.labor.state.ny.us/stats/PDFs/IndustryClusters_report2009.pdf

Green Jobs

NYSDOL is currently estimating how many green jobs there are in the State, and identifying emerging and enhanced skills needed for green jobs. The project will explore how many New York State workers are engaged in renewable energy or energy efficiency: Where they can be found? Which occupations are involved? What new, emerging and enhanced skills are needed for green jobs? Results will be available in the summer of 2011.

Demographics

The Department can provide UI beneficiary data by various geographies & characteristics – useful information in identifying potential labor supply. The Department provides data on local demographic information of interest such as educational attainment, occupation and industry or class of worker.



GIS mapping services

Spatial analysis of various information layers, such as infrastructure, population and employment density (on demand).

Occupational and Employment Analysis

The Department produces estimates of labor supply based on unemployment insurance claimant and industry staffing pattern data by region. This includes occupational projections for New York State and by region, with data on expected employment growth and annual openings for over 700 occupations. The Department provides information on future employment patterns of various industries, occupational wage rates for over 700 occupations, and annual employment and wage data by place of work and industry. These reports can be generated for non-standard areas upon request.

One Stop Operating System

The Department's website displays data on Labor Department job applicants and openings, on the statewide and regional levels.

Long Island Power Authority

The Long Island Power Authority (LIPA) is a non-profit municipal utility providing electric service to 1.1 million customers in Nassau and Suffolk counties and the Rockaway Peninsula in Queens. LIPA offers dynamic economic development programs and services. These programs and services have a single, significant goal: to assist businesses to succeed and grow by providing solutions to meet their energy needs.

Long Island is good for business and LIPA is an important contributor in helping to make good on that promise. LIPA has an array of tools including Economic Development programs such as specific Electric Rate Discounts and Efficiency and Renewables offerings and incentives that can be offered as a package or separately.

The following are specific details related to LIPA's Economic Development and Commercial Efficiency Program offerings.

Economic Development Electric Rate Incentive

Electric rate incentives provided to qualified commercial and industrial customers are designed to stimulate investment and the creation of new jobs in the LIPA service territory.

Business Attraction/Expansion Rates

For non-retail customers who move to Long Island or significantly expand their operations on Long Island. This program applies to new or existing customers that add at least 100 kW of permanent load up to a maximum load of 1500 kW, and/or increase employment by 20% over an existing base of at least 50 full time employees. The program offers reduced electric rates and the ability to choose modified rate periods when committing to reduce their loads during the weekday hours of 3 PM to 10 PM in the period June-September.

Business Development Rate (BDR)

The Business Development Rate Incentive Program is available 1) for businesses relocating or expanding in the region, 2) to manufacturers who participate in New York State's Industrial Effectiveness Program and 3) for start-up businesses that graduate from a sponsored New York State incubator program.

Business Incubator Rate

The program is intended to attract new load by offering graduates of New York State sponsored incubators, reduced electric rates, and the ability to choose modified rating periods when committing to reduce their load during the weekday hours of 3 PM to 10 PM in the high demand period June-September.

Manufacturing Competitiveness Rate

The program is for demand metered customers certified to participate in New York State's Industrial Effectiveness Program. The program offers customers reduced electric rates and the ability to choose modified rating periods when committing to reduce their loads during the weekday hours of 3 PM to 10 PM in the high demand period June–September.

Commercial Efficiency Program

LIPA's Commercial Efficiency Program is part of LIPA's Efficiency Long Island, a 10-year, $924 million customer-funded energy efficiency program launched in 2009, which offers a wide array of incentives, rebates and initiatives to LIPA's residential and commercial customers to assist them in reducing their energy usage and thereby lowering their bills. LIPA's Efficiency Long Island program goal is to reduce LIPA's peak electric demand by 500 MW by 2018. Such reduction will result in the deferral or elimination of the equivalent of one large or two, medium-sized power plants from LIPA's capacity expansion plan and the avoidance of high-cost, on-peak energy production equivalent to saving 2.2 million barrels of oil.

Prescriptive Approach

Financial incentives are available to developers and building owners who agree to specify and install qualified energy efficient equipment in buildings under construction or renovation. Customers choose from a list of qualified equipment – lighting, cooling and motors and variable frequency drives. Annual incentives up to $100,000 per project, and $300,000 per customer, or may be adjusted based on current program parameters.

The participant agrees that LIPA obtains and/or retains ownership of all rights to existing and future emissions credits, renewable energy credits, green tags, tradable renewable certificates, and/or any and all other environmental benefits associated with the installation of eligible equipment.

Custom Approach

Financial incentives are available for more complex energy-savings measures and provide flexibility for customers to choose unique measures that are not indicated on the Prescriptive list. LIPA provides up to $10,000 in Technical Assistance services, and for complex projects will provide up to 50% of any additional costs, up to $50,000, or may be adjusted based on current program parameters. Annual incentives for businesses include up to $200,000 per building, with a maximum of $600,000 in any calendar year, or may be adjusted based on current program parameters. Commercial, industrial, institutional or governmental projects/buildings, including office buildings, supermarkets, manufacturing facilities, schools, shopping malls, restaurants, hotels, etc. are eligible to participate in the program.

The participant agrees that LIPA obtains and/or retains ownership of all rights to existing and future emissions credits, renewable energy credits, green tags, tradable renewable certificates, and/or any and all other environmental benefits associated with the installation of eligible equipment.

New Construction Projects

To provide a means for building owners and design teams to pursue options that fully integrate building and operating systems to produce a building as energy efficient as current technology and design allows. Eligible projects include; new construction projects, including commercial, industrial, institutional or governmental facilities including office buildings, supermarkets, manufacturing facilities, schools, shopping malls, restaurants, hotels, etc; projects for buildings with more than 25,000 square feet.

Incentives will cover a portion of the additional design and equipment to create an exemplary building or may be adjusted based on current program parameters. LIPA provides up to $10,000 in Technical Assistance services including consultants, and for complex projects will provide 50% of any additional costs up to $50,000. Annual financial incentives are available up to $400,000 per building or $500,000 for a LEED Certified Green Building. A maximum of $800,000 in incentives is available for Whole Building Design applications in any one calendar year.

The participant agrees that LIPA obtains and/or retains ownership of all rights to existing and future emissions credits, renewable energy credits, green tags, tradable renewable certificates, and/or any and all other environmental benefits associated with the installation of eligible equipment.

Building Commissioning Incentives

Projects that are receiving funding under any part of the Commercial Efficiency Program may be eligible for cost sharing for building commissioning services through one of its Technical Assistants (TA). The amount of co-funding is based on the particular project and may be adjusted based on current program parameters, with a maximum incentive of $50,000 per building, or $100,000 for a LEED Green Building. Eligibility is determined on a case-by-case basis for projects receiving funding under the Commercial Efficiency Program whose incentives are expected to exceed $50,000

Additional LIPA Commercial Service Offerings

Light Solutions Program

This program provides a full service package for the lighting needs of business customers. The service includes equipment, installation on a utility pole, energy and maintenance and one monthly fee.

Geothermal Systems Program

Geothermal systems use energy stored in the earth to provide heating, cooling and hot water.

LIPA offers cash incentives to companies who incorporate geothermal heat pumps into their commercial facilities or replace an existing geothermal system.

Renewable Energy Program

To provide commercial and industrial businesses with the opportunity to utilize renewable energy to self generate power for their business.

Wind: under the program, qualifying businesses can receive $3.50 per kWh for the first 16,000 kWh produced in the first year of operation, thereafter fifty cents per kWh up to a maximum of 175,200 kWh annually.

Solar: under the program, qualifying businesses can receive $1.75 per kWh as incentive to install the solar generator up to a limit of $87,500, or 50% of the installed cost, whichever is less.

Businesses taking advantage of the renewables program may also qualify for net metering, which allows businesses to sell unused wind energy back to LIPA. They may also qualify for tax credits and/or other incentives offered by local municipalities. Program incentives and qualifying requirements are subject to change and are based on the current program parameters.

Examples of LIPA Best Practices

The following are examples of how both profit and non-profit customers have been able to work with LIPA to take advantage of its programs.

Leviton (Melville, Suffolk County)

Leviton, a leading world-wide manufacturer of electrical wiring devices and lighting management systems, was looking to relocate its Queens-based global headquarters. Management looked at many places and decided on relocating to Melville, Long Island.

Discussions took place with LIPA and other economic development partners to determine all available programs to ensure this relocation would happen. Partnering with LIPA was a smart choice. Leviton took advantage of LIPA's Business Development Rate as well as the Efficiency Long Island program. These programs allowed utility reductions as well as helped Leviton reduce their carbon footprint, which saved them over $100,000 a year. The electric rate discounts saved them another $400,000 over five years. With this relocation over 450 jobs were created for the region.

Stafford Associates (East Setauket, Suffolk County)

Stafford, a networking integration and hosting company which operates one of the region's only data centers providing PCI Level 1 compliant and SAS 70 Type II managed and co-location hosting services. With business growing, Stafford needed a new, state-of-the-art data center. Stafford knew their electric needs would be significant and began a dialogue with LIPA about available programs. Because of LIPA's BDR program, they decided to expand on Long Island and the program saved Stafford over $250,000 in energy savings over a five year period. Furthermore, they received over $13,450 in efficiency rebates through its Commercial Efficiency Program, part of LIPA's Efficiency Long Island initiative. By remaining on the Island, 30 jobs were retained and 20 were added.

Red Castle Bakeries (Central Islip, Suffolk County)

Red Castle Bakeries is one of Long Island's red-hot, growing food manufacturing companies. Their old inefficient refrigeration/freezer equipment was wasting energy and money. Therefore, they called LIPA. LIPA's energy efficiency experts showed them how to significantly reduce its energy costs by installing new, high-efficiency refrigeration units. The net result has been over $30,000 in rebates and $20,000 less in electric costs. They were so impressed with LIPA that they have already started working on lighting retrofits. This new project will reduce their electric costs by another $15,000 or more a year. This was a win-win for both Red Castle and LIPA.

Not everyone may fit the criteria we have for Economic Development but all commercial customers can take advantage of our Commercial Efficiency Program and here are some examples:

Yeshiva Darchei Torah (Rockaways, Queens)

LIPA partnered with Yeshiva Darchei Torah in the Far Rockaway section of New York to assist them in the construction of a new educational facility outfitted with the latest energy efficient measures and technologies that will help save the school $119,131 in annual electric costs. The new 183,000 square-foot private education facility was eligible for $204,877 in rebates and incentives.

The construction included the installation of high performance lighting, an energy management system (EMS), energy recovery ventilators (ERV) and heating-ventilation-air conditioning (HVAC) units. . These efficiency measures will reduce the facility's electric energy demand by an estimated 395 kilowatt (kW) and its electric energy usage by an estimated 627,009 kilowatt hours (kWh) per year. Furthermore, Yeshiva Darchei Torah's avoided emissions, over a 20-year period, will be 7,685 tons of Carbon Dioxide which is the equivalent of removing 1,280 passenger cars off the road and a saving 791,420 gallons of gas consumed.

Commack School District (Commack, Suffolk County)

Continuing their commitment to helping schools go green, protect the environment and reduce energy bills, LIPA helped the Commack School District to upgrade its facilities with four photovoltaic (PV) systems. The Commack school system was given a check of over $600,000 for participating in LIPA's Solar Entrepreneur Program. The four solar electric generating photovoltaic (PV) systems total 200.84 kilowatts (kW) and will produce a total of approximately 254,090 kilowatt hours (kWh) of electricity annually. This will save the Commack School District and its taxpayers approximately $47,004 in electricity costs per year. The PV systems will also help reduce greenhouse gas emissions that contribute to climate change. By using solar power in contrast to fossil fuels to generate electricity, the avoided emissions over a 20-year period will be approximately 4 tons of Sulfur Dioxide, 2.6 tons of Nitrous Oxide, and 2,607 tons of Carbon Dioxide. This is the equivalent of removing 434 passenger cars from the road.

This project will serve as an invaluable learning tool for the students at Commack, allowing them to experience first-hand the economic and environmental benefits of clean renewable energy. Moreover, every dollar saved by the district with these solar panels is a dollar that can be spent on a child's education or a dollar of property taxes that doesn't have to be raised.

Division of Military and Naval Affairs

The New York National Guard

The New York National Guard provides fully capable military forces and facilities ready to execute global missions across full spectrum operations in support of our Communities, State and Nation.

New York Yellow Ribbon Reintegration Program

The New York Yellow Ribbon Reintegration Program is a Department of Defense-wide effort to support National Guard and Reserve Service Members and Families. The program provides benefits and referral information to families before, during and after military deployments. The NY Yellow Ribbon Program puts Service Members and Families in direct contact with over 250 benefits Providers, Employers and Colleges throughout New York. Service members also receive information on assistance available from the Employer Support of the Guard and Reserve and the New York State Department of Labor.

Employee Support of the Guard and Reserve

Employer Support of the Guard and Reserve is a Department of Defense agency established in 1972 whose mission is to develop and promote a culture in which all American Employers support and value the military service of their employees. It does so by advocating relevant initiatives, recognizing outstanding support, increasing awareness of applicable laws and resolving conflict between employers and service members. ESGRA also assists employers and employees in understanding the Uniformed Employment and Reemployment Rights Act (USERRA). This law explains the reemployment rights enjoyed by National Guard Soldiers and Airmen.

Partnership with New York State Department of Labor

The New York National Guard (NYNG) and the New York State Department of Labor (NYSDOL) have formed a partnership to assist Service Members and their families seeking employment opportunities within New York State. The NYSDOL has been actively involved with our returning military members in ensuring they receive all the employment benefits and opportunities they're eligible for following their mobilization. This partnership has allowed us to broaden our support to all NYNG Service Members and Families with numerous job-seeking techniques. With the commitment from the NYSDOL we are able to provide the employment opportunities that many of our members need. Through this effort we are able to increase employment amongst our Service Members, which has a positive impact on families and communities throughout the state.

Tuition Assistance

New York Army and Air National Guard members are provided assistance in attending State University of New York and City University of New York schools by both the federal and state governments. Currently 1,691 service members have applied for state tuition assistance through the New York Recruitment Incentive and Retention Program which provides tuition money to help cover funding shortfalls for students at SUNY and CUNY campuses. Current school year cost has amounted to 1,190,089.91. New York Army National Guard can also benefit from federal tuition assistance. This year alone, (August 2010 to current date) our National Guard Soldiers and Airmen have been reimbursed $1,116,140.00 in Federal Tuition.

Members of the New York National Guard who have deployed or served on Active Duty are eligible for the Post 9/11 GI bill education benefit administered by the Veterans Administration. This benefit provides tuition and housing assistance for up to 36 months based on the amount of active duty service the Soldier or Airman has accrued. The Post 9/11 GI Bill provides educational opportunities that promote the employability of New York National Guardsmen.

New York Power Authority

The New York Power Authority (NYPA) is the country's largest state public power organization, producing some of the cheapest power in North America. Our 17 generating facilities and over 1,400 circuit miles of transmission lines produce the power to help sustain more than 380,000 jobs statewide. We are a national leader in promoting energy efficiency and the use of renewable-fuel and clean energy technologies.

Niagara Hydropower

New York State law reserves a portion of the electricity generated by NYPA's Niagara Power Project for economic development in Western New York. The hydropower is made available through two programs:

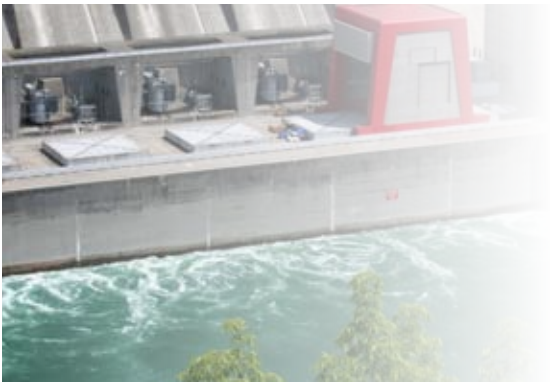
Replacement Power supplies up to 445 MW in allocations to business and industry in the National Grid territory, within a 30-mile radius of the Niagara Project;

Expansion Power supplies up to 250 MW to business and industry in the National Grid and New York State Electric and Gas territories, within a 30-mile radius of the Niagara Power Project, including up to 20 MW for businesses in Chautauqua County)

Because the Niagara Project produces some of the least-expensive, emission-free power in the United States, applications are reviewed on a competitive basis to derive the maximum benefit to the state and local economies. The state law governing the programs includes an array of criteria for allocations, including the number of jobs created, the amount of capital investment, company productivity and competitiveness, etc.

Niagara hydropower is eligible to business and industry located within a 30-mile radius of the Niagara Power Project in Lewiston, NY (except for those businesses in Chautauqua County eligible for a portion of Expansion Power.)

St. Lawrence – FDR Hydropower



New York State law reserves a portion of the electricity generated by NYPA's St. Lawrence – FDR Power Project, located in Massena, for economic development in the North Country. The hydropower is made available through a new program, called **Preservation Power**, which would govern allocation of 490 MW of firm and interruptible power. NYPA currently supplies 478 MW (374 MW firm and 104 MW interruptible) of hydropower to Alcoa in Massena. The law authorizes allocation of power to businesses in Jefferson, St. Lawrence, and Franklin counties and applies the same allocation criteria as Replacement Power and Expansion

Power. Contract renewals for existing customers and any power relinquished by existing customers for new allocations would be subject to the provisions of law governing Preservation Power.

St. Lawrence hydropower is eligible to businesses located in Jefferson, St. Lawrence or Franklin Counties.

Industrial Economic Development Power

The Industrial Economic Development program serves the 47 municipal electric systems and 4 rural electric cooperatives in New York State. Up to 54 MW of hydropower from the federally mandated block of Preference Power that serves those public power systems is made available for economic development purposes within these communities.

Businesses must be located within the service territory of a municipal electric system or rural electric cooperative to be eligible. Allocation criteria require 50 jobs per MW and creation of at least 100 kW of new load.

Recharge New York

The Recharge New York (RNY) program was created by state law in 2011 to provide economical electricity for businesses and not-for-profit corporations that commit to create or retain jobs in New York. The RNY program is a dedicated block of 910 megawatts (MW) of power of which 50% will be NYPA hydropower and 50% will be purchased from the competitive marketplace. The Economic Development Power Allocation Board (EDPAB) is responsible for reviewing applications for allocations and making allocation recommendations to NYPA Board. Applications are reviewed on a competitive basis to derive the maximum benefit to the state and local economies. The state law governing the program includes an array of criteria for allocations, including, but not limited to, the number of jobs created or retained, the amount of capital investment, the significance of the cost of electricity to the applicants cost of doing business, the impact that an allocation of RNY will have on the applicants operating costs, the risk of closing or curtailing facilities or operations in the state, the potential for relocating facilities or operations out of state or losing a significant number of jobs in the state.

Business other than a not for profit corporation that normally utilizes a minimum peak demand greater than 400 kW, small business who normally utilizes a minimum peak demand equal to or less than 400 kW and a not for profit corporation, as defined by the enabling legislation that provides critical services or substantial benefits to the local community are eligible for Recharge New York. *(Note: Recharge New York will be effective as of July 1, 2012.)*

World Trade Center Economic Recovery Power Program

NYPA supplies 80 MW of power that previously served the World Trade Center to downtown New York City businesses affected by the September 11 terrorist attacks. The power is currently supplied to 45 companies. Allocations are for three-year terms. A 2005 state law included provisions to renew contracts and ensure that future allocations are made to companies in the Liberty Zone (the area of lower Manhattan south of Canal Street) and the Resurgence Zone (the area between Canal and Houston Streets) of lower Manhattan. The power is supplied from a portfolio purchased to serve NYPA's New York City governmental customers and is provided at the same rates charged to those governmental customers. The available power under this program is fully allocated.

Energy Services and Technology Development Program

In addition to supplying economical electricity, NYPA helps to reduce energy costs by providing energy services to upgrade energy-efficiency and deploy new energy technologies. Since the late 1980s, NYPA has completed energy-efficiency projects at nearly 3,732 public facilities throughout the state, saving almost 2.4 million barrels of oil a year and cutting annual emissions of greenhouse gases by more than 809,000 tons. In 2010, NYPA invested a record $175 million in energy-efficiency projects and surpassed $1.4 billion of cumulative investments in energy-efficiency projects. These energy-saving efforts have helped to cut the energy bills at these facilities by a total of nearly $132 million a year.

The Energy Services Program (ESP) works with facility managers to identify, design and install new lighting and motors, as well as upgrades to heating, ventilation and air-conditioning systems. ESP strives to address all energy efficiency improvements in comprehensive fashion. NYPA finances the projects and recovers costs by sharing in the resulting electric bill savings. Once the ESP loan is repaid, within 10 years or less, the participants retain all the savings. The average energy-efficiency project can cut energy bills by up to 25 percent, reduce maintenance requirements and create new jobs for the production and installation of new fixtures.

NYPA's efforts to develop innovative technologies for the generation and transmission of electricity also serve its customers and the public. Such efforts focus on environmentally sound methods of generating power (such as fuel cells, solar photovoltaic systems and microturbines). NYPA conducts research to improve its own generation and transmission facilities and works with customers on technical solutions that help them stay competitive. NYPA participates in institutional research at the state and national levels. NYPA's technology development efforts

also include energy storage, distributed generation, power quality and electric-drive transportation.

The NYPA Energy Service and Technology Development efforts have primarily served its governmental customers and public institutions. However, private-sector business customers of NYPA's power programs may also be eligible for energy services and technology development assistance.

Olympic Regional Development Authority

Events and Programs

The Olympic Regional Development Authority (ORDA) manages the facilities used during the 1980 Olympic Winter Games in Lake Placid. ORDA operates Whiteface Mountain and Gore Mountain ski areas, the Olympic Sports Complex, the Olympic Jumping Complex, and the Olympic Center (utilized for skating and hockey events, shows and concerts, various athletic competitions, etc.), and is poised to open the Conference Center at Lake Placid in May of 2011.

Designed in anticipation of Gold LEED (Leadership in Energy and Environmental Design) certification by utilizing renewable recycled materials and optimizing natural daylight for energy conservation, the Conference Center at Lake Placid has 90,000+ square feet of flexible meeting and exhibition space. With state of the art audio/visual technology, the Center offers a dozen breakout rooms, a ball room, as well as a full service production kitchen that will enable it to host virtually any type of group event.

ORDA creates a variety of revenue generating opportunities for the community through events and programs on an annual basis. These events attract guests and customers to area hotels, restaurants, and the business district. Throughout the year, ORDA hosts a number of major events that bring television and media exposure to Lake Placid and the surrounding area. For instance, this past November, the Olympic Center hosted Smuckers' *Stars on Ice* and in late October, the ECAC Halloween Face-off, an NCAA Division I Hockey event. In December, the Olympic Sports Complex hosted an FIBT World Cup Bobsled and Olympic Jumping Complex held a New Year's Master's Ski Jump. In January, ORDA was once again home to Nature Valley World Cup Free-Style Skiing and in February, ORDA collaborated with the community to host the Empire State Winter Games as well as the annual Lake Placid Loppet and Disney on Ice, *The Princess Classic*. Upcoming events include the Lake Placid Ice Dance Championship, the Lake Placid Summer Figure Skating Championships, and the 34th annual Whiteface Mountain Uphill Foot Race to name a few. The Corporate Marketing department offers a variety of sponsorship agreements in coordination with these events, programs, and the Olympic Venues.

The ORDA Marketing Department also drives many initiatives which bring additional visitors to the area and increase revenue potential for the Olympic Region. Working closely with lodging properties and local businesses, ORDA reaches out to potential customers through group sales efforts, lift ticket and activity voucher programs, and co-op marketing campaigns.

Office of Parks, Recreation and Historic Preservation

The mission of the New York State Office of Parks, Recreation and Historic Preservation is to provide safe and enjoyable recreational and interpretive opportunities for all New York State residents and visitors and to be responsible stewards of our valuable natural, historic and cultural resources.

New York's state park system encompasses 213 state parks and historic sites that welcome 57 million visitors each year. In addition to providing healthy and affordable recreation opportunities, state parks make a vital contribution to the state's economy. A recent study by the University of Massachusetts' Political Economy Research Institute documented that New York's state park system generates $1.9 billion in economic activity every year. Agency staff work closely with local officials and economic development organizations to integrate state parks into regional tourism marketing initiatives.

In addition to the operation of our parks and historic sites, the agency administers programs that advance our mission and support the efforts of our communities and residents to preserve, restore and reuse our historic treasures, protect our natural resources, and expand access to recreational opportunities. These programs include assisting property owners in accessing historic preservation tax credits for rehabilitation and adaptive reuse projects, and the administration of a grant program that supports a variety of projects that promote recreation, preserve our historic and natural resources and generally improve the quality of life in communities throughout the state.

More information about these programs follows.

State Historic Preservation Office (SHPO) Historic Preservation Tax Credits

Historic preservation creates jobs, stimulates economic growth, revitalizes communities, is green and is smart growth. Historic preservation tax credits are key components of financial packages for rehabilitation projects that upgrade properties, create housing units for all income levels, and return vacant structures to the tax rolls. In reviewing tax credit projects, SHPO staff offer technical expertise to help property owners arrive at the most effective design and technical solutions for rehabilitation and adaptive use projects. The collaborative process ensures that the objective of upgrading buildings for modern uses is balanced with the objective of preserving the historic fabric. These credits leverage significant private investment in communities.

Owners of income-producing real properties listed on the National Register of Historic Places may be eligible for a 20% federal income tax credit for the substantial rehabilitation of historic properties. The final dollar amount is based on the cost of the rehabilitation; in effect, 20% of the rehabilitation costs will be borne by the federal government. In addition, owners of income-producing properties that have been approved to receive the 20% federal rehabilitation tax credit automatically qualify for an additional state tax credit if the property is located in an eligible census tract. Owners can receive an additional 20% of the qualified rehabilitation expenditures up to $5,000,000. (Tax credits earned before Dec. 31, 2012 exceeding $2 million will be deferred.) In 2010, OPRHP assisted property owners in accessing over $57 million in investment tax credits for rehabilitation work on development projects.

The work performed (both interior and exterior) must meet the Secretary of the Interior's Standards for Rehabilitation and be approved by the National Park Service. OPRHP assists property owners in meeting the standards, and identifies properties that are listed – or eligible to be listed – on the National Register of Historic Places.

One of the most successful rehabilitation tax credit projects in **Albany County** is the adaptive use of the north section of **Harmony Hills in Cohoes.** Property owners spent over $15 million on rehabilitation and new construction to adapt the 1866 mill buildings for 96 residential units.

In **Buffalo**, the tax credit was used in the **AM&A Warehouse Loft** project, an adaptive reuse that created office and residential space in the former warehouse at 369 Washington Street and an ambitious tax credit project is planned for Buffalo's Hotel Lafayette with hotel, residential and restaurant components—restoring most of the public spaces to their appearance in 1902 or the 1940s.

Preservation tax credits also assisted in the rehabilitation of the **Hotel Breslin in New York City**, an early 20th century building on Broadway. The extensive rehabilitation project cleaned and restored exterior details and repaired interior finishes. New storefronts that reflect the style of the 1910 storefronts were installed. The rehabilitation returned the building to its original use as a hotel.

In **Patchogue**, the **Union Savings Bank** was rehabilitated with the help of the tax credit program, and SHPO staff provided technical assistance to guide the property owners through the design process.

Located on the former **Plattsburgh** Air Force, Georgian Revival style buildings known as the **East Oval Estates** were constructed in the 1930s as enlisted men's quarters and subsequently used as an ROTC facility. With the help of preservation tax credits, several of these long vacant structures are being rehabilitated by a private developer as the Lake View Condominiums.

Historic preservation tax credits provided crucial financing for a rehabilitation project that retained an important section of **East Market Street** in **Corning** after a devastating fire. The loss of Sorge's Restaurant would have left a gaping hole in the historic streetscape and ended a 60 year old family business. The third generation owners of the restaurant were committed to remaining on the block, and SHPO staff worked with them to bring the tax credit project to a successful completion.

Also newly qualified for the preservation tax credit programs is the 1918 **Victory Mills** complex in **Saratoga County**, which was recently listed on the National Register. The mill was the reason for the name, settlement, incorporation, growth and prosperity of the village, and businesses on the site remained a major area employer well into late 20th century. The building was clearly designed for utilitarian and practical considerations, with large open floors, high ceilings, banks of windows for lighting and multiple stair towers. Some of these features also make it ideal for the adaptive use project that will redevelop the site for apartments.

Additional information about the tax credit programs is available on OPRHP's website, http://nysparks.state.ny.us/shpo/tax-credit-programs/

Environmental Protection Fund Parks and Historic Preservation Program

The New York State Office of Parks, Recreation and Historic Preservation administers an annual competitive grant program that awards matching capital grants for local parks and historic preservation projects undertaken by local government and non-profit organizations. EPF Municipal Parks and Historic Preservation program grants fund a variety of projects that promote recreation, preserve our historic and natural resources and generally improve the quality of life in communities throughout the state

The program is funded through New York's annual Environmental Protection Fund (EPF) appropriation. In 2010, $12.7 million in grant funds were awarded to 68 projects. Under the enacted 2011-12 EPF budget, $12.3 million will be available for the 2011 grant round.

Grant applications are available each summer. For this year's grant round, the application deadline is September 1, 2011. Applications are reviewed by OPRHP staff against competitive criteria established for the program. Grant awards are typically awarded in November or December. Regional grant officers are available in the agency's regional offices to offer assistance with resources and program details.

The maximum grant award is $400,000, but most awards are lower. For the 2011 grant round, OPRHP has identified several Commissioner's priorities, which include "park and historic projects recommended by the regional economic development council or aligned with regional strategic priorities."

Past EPF grants have supported projects such as the rehabilitation of a deteriorated urban park in the **City of Albany,** contributing to the community's efforts to strengthen the city's **Arbor Hill neighborhood** as a whole. Also in Albany, an EPF grant will help restore the **Historic Cherry Hill** to protect the historical integrity of the 1787 wood-frame structure and the thousands of intact historical collections housed within. When complete, this project will allow the house to re-open and serve the public and schools throughout the region.

In the **Town of Hume, Allegany County**, an EPF grant will support the improvement of park facilities including a playground, enclosed and accessible picnic shelter and a baseball field.

Downtown revitalization efforts will be supported in the **Village of Brocton, Chautauqua County**, through a grant to restore the 1913 **Brocton Arches**.

Final design planning and engineering will be supported through a grant to the Columbia Land Conservancy to extend the **Harlem Valley Rail Trail**, linking the park with the **Hamlet of Hillsdale**.

The **Town of Grand Island** was awarded a grant to purchase property along the Niagara River to develop for public access to the waterfront. The Town, despite being surrounded by water, currently has no public access to the Niagara River.

A grant to replace the **Riviera Theater Marquee** in **North Tonawanda** improved the safety and stability of the important economic and cultural landmark while maintaining the historic integrity of the building.

The reconstruction of the **Betsy Head Community and Recreation Center** in the **King's County Brownsville neighborhood** will create a much-needed indoor community recreational facility for adults and children. Also in the **City of New York**, a grant will fund the restoration of the 1787 **Academy Building at Erasmus Hall High School**.

Additional information about the EPF local parks and historic preservation grant programs is available on OPRHP's website, http://nysparks.state.ny.us/grants

The Port Authority of New York and New Jersey

The Port Authority's Office of Business Diversity and Civil Rights (OBDCR) is responsible for implementing the agency's Title VI program. In addition, it seeks to advance regional economic development by providing advocacy and dedicated services under a supplier diversity program and undertaking specific programs to attract, certify, and support minority, women-owned, small and disadvantaged business enterprises (M/W/S/DBEs).

A Supplier Diversity Program for Regional Growth

With one of the most comprehensive and dedicated M/W/S/DBE programs in the region, the Port Authority has long held a strong commitment to generating work for such firms. The goal for M/WBE participation is 12 percent for MBEs and 5 percent for WBEs for Port Authority funded projects. Our aviation tenants have also expressed a strong commitment to these goals. DBE goals are included on projects with federal funding and are set on a per project basis. Over the past three years, the agency generated over $1.4 billion in awards with an M/WBE participation rate, on average, of 20 percent, which has exceeded the combined M/WBE goal of 17 percent.

Each year, hundreds of certified M/W/S/DBEs play a major role in the Port Authority's operations and development efforts. There are many successful stories where the agency's multifaceted supplier diversity program has helped these firms grow their capacity and win contracts. Two voices that have joined a growing contingent of MWSBE firms that have won contracts with the agency include: Antonio Ramirez, Principal of D-Star Waterproofers, Inc. of Baldwin, New York, who stated,

"We are currently participating in the historic redevelopment of the World Trade Center as a subcontractor on the Transportation Hub Project. I attribute our success in accessing opportunities to attending networking events sponsored by OBDCR and the Regional Alliance for Small Contractors. I market my company at these events, and I have made valuable contacts that have led to profitable jobs. I advise others to become certified with the Port Authority of New York and New Jersey."

Another business owner, Wes Evan, President of Kalirgar, Inc., a Mt. Vernon, New York firm, said,

"Being certified and listed in OBDCR directory of M/WBEs has brought us new clients and offered invaluable support services. Our employees have attended a number of seminars offered by the Regional Alliance for Small Contractors… which have helped sharpen our bidding skills. The bi-monthly payment system for construction has also helped us tremendously in meeting our cash flow."

Certification Programs

The Port Authority certifies businesses in the following categories:

Minority Business Enterprise (MBE)

MBE firms must be at least 51% owned by citizens or permanent resident aliens, and the management and daily business operations must be controlled by one or more of such individuals who meet the following ethnic definitions: Black, Hispanic, Asian-Pacific, Asian Indian or Native American.

Women-owned Business Enterprise (WBE)

WBE firms must be at least 51% owned by citizens or permanent resident aliens who are women and whose management and daily business operations are controlled by women.

Small Business Enterprise (SBE)

SBE firms must have a principal place of business in New York or New Jersey and must have operated that specific type of business for at least 3 years. Restrictions regarding average business income also apply and vary by type of business.

Disadvantaged Business Enterprise (DBE)

DBE firms must be at least 51% owned by and the management and daily business operations must be controlled by one or more socially and economically disadvantaged individuals.

Set Asides and Preference Programs

Some of the programs that M/W/S/DBEs can qualify for, include:

M/WBE Set Asides

Designed to increase prime contracting opportunities for regional M/WBEs, these contracts are bid from lists of certified minority and women owned businesses qualifying in a specific work category.

SBE Set Asides

Small business set asides are used to increase prime contracting opportunities for certified small business enterprises in the region. Contracts in this category are bid from lists of certified SBEs qualifying in a specific work category.

Vendor Price Preferences

On selected publicly bid contracts, certified M/WBEs may receive a price preference of up to ten percent; and certified SBEs may receive a price preference of up to five percent.

Subcontracting Opportunities

Contracts for construction and other services include provisions for good faith

subcontracting to certified M/WBEs and DBEs where appropriate. Good faith M/WBE and DBE subcontracting goals are set on a contract-by-contract basis.

Business Resources

The Port Authority's OBDCR offers a wide range of business resources and activities to help firms grow and expand including technical assistance, business management courses, marketing services, financial assistance, special events, consulting services, mentoring programs, as well as maintains a World Trade Center Business Resource Center.

Mentor-Protégé Program

Our Mentor-Protégé Program pairs certified M/WBEs with the region's most successful construction companies who act as mentors.

World Trade Center Business Resource Center

The Center provides an array of valuable business services, including information on upcoming contract opportunities with WTC redevelopment projects.

Capacity-Building Courses

The Regional Alliance for Small Contractors, a public/private partnership for small construction contractors, serves as the agency's training consultant providing business management courses, consulting services, and assistance with bonding and financing applications to M/W/S/DBEs.

Special Programs and Events

Each year, special programs, networking functions and conferences are organized to assist M/W/S/DBEs -- events that can translate into thousands of dollars in new business for participants. Architectural and engineering, construction contractors and buyers exchange programs provide opportunities to our certified firms to network with larger companies.

M/WBE Directory

OBDCR is committed to assisting certified M/WBEs in "connecting" their products and services to the Port Authority and its tenants. To ensure Port Authority certified M/WBEs can easily be identified, we maintain an on-line searchable M/WBE database.

DBE Directories

On-line directories of DBEs can be accessed at www.nysucp.net and www.njucp.net. The directories of certified firms from both of these databases are shared with Port Authority departments, prime contractors, tenants, and other businesses in the region.

Local Assistance Program ("LAP")

The Local Assistance Program provides communities in the Port District with architectural and engineering consulting services to advance local economic development initiatives.

Local assistance has included architectural programming, site evaluation and cost estimates. Projects completed to date have included waterfront redevelopment, brownfield development, land-use analysis, building renovation, industrial-park planning and historic-district development.

Department of Public Service

New York State Department of Public Service (DPS) has a broad mandate to ensure that all New Yorkers have access to reliable and low-cost utility services. The Department is the staff arm of the Public Service Commission. The Commission regulates the state's electric, gas, steam, telecommunications, and water utilities. The Commission also oversees the cable television industry.

The Commission is charged by law with responsibility for setting rates and ensuring that safe and adequate service is provided by New York's utilities. In addition, the Commission exercises jurisdiction over the siting of major gas and electric transmission facilities and has responsibility for ensuring the safety of natural gas and liquid petroleum pipelines.

The Department also oversees utility ratepayer-funded economic development programs that provide utility incentives and/or rate reductions to help attract new businesses to New York, retain certain commercial and industrial customers or help this customer group expand their businesses.

New York's Energy Efficiency Portfolio Standard

The Energy Efficiency Portfolio Standard (EEPS) was established by the Public Service Commission. The EEPS Order adopted a goal to reduce electricity usage statewide by 15 percent 2015 by implementing a portfolio of energy efficiency programs. The EEPS also promotes energy efficiency in the use of natural gas. The objectives of the EEPS are to realize New York's untapped potential for energy efficiency and make this a high priority energy resource. The EEPS energy efficiency programs are implemented by the electric and gas utilities and the New York State Energy Research and Development Authority (NYSERDA).

The initiative established specific annual energy savings targets through 2011 to place the state on track to reach the 2015 goal, and also determined the portions of the overall goal and the annual energy savings targets that are subject to the Commission's jurisdiction.

The Commission estimated the annual cost of EEPS electric energy efficiency programs that would be needed to reach the goal for 2015 at $330 million per year and also approved spending of up to $130 million per year for gas efficiency programs. The Commission initially approved$159 million in annual spending for certain electric efficiency programs and $17 million for gas efficiency programs in 2008. To date, the Commission has approved over 100 utility and NYSERDA electric and gas energy efficiency programs with set annual budgets and energy savings targets through 2011. Gas and electric programs were approved to serve

three broad customer market sectors: residential, commercial and industrial, and multifamily buildings..The total annual budget in 2011 for approved EEPS energy efficiency programs is $308 million for electric programs and $120 million for natural gas programs. The composition and budgets of EEPS programs for 2012 and beyond is currently under consideration by the Public Service Commission.

Department Staff is responsible for oversight of the implementation of the Commission-approved EEPS programs, the measurement and verification the energy savings achieved, and the evaluation of the operation of the EEPS programs by the utilities and NYSERDA.

The following sections describe the approved EEPS electric and gas efficiency programs available to utility customers in the various service territories.

Hudson Valley: Central Hudson Gas & Electric Corporation

Central Hudson provides rebates and incentives to its residential, and small and mid-size commercial business gas and electric customers.

Residential programs include: residential HVAC heating and cooling rebate program; residential appliance recycling program, and home energy reports. Examples of the measures available include: space heating, indirect water heating, and boiler reset controls.

Central Hudson offers small and mid-size commercial programs for the installation of energy efficient lighting measures with the option of zero percent financing. For more information on its energy efficiency programs, go to the company's website at www.savingscentral.com

Capital Region, Central New York, Western New York: National Grid

National Grid provides rebates and incentives to its gas and electric customers to implement energy efficiency improvements, including programs for residential, small and large commercial, and industrial customers.

Residential gas and electric programs include: Enhanced Home Sealing Program, Home Energy Reports, and Energy Star Products and Recycling Program.

Commercial and Industrial programs include prescriptive and customized rebates and incentives for the installation of energy efficiency measures. Examples of types of assistance available range from rebates for specific measures such as lighting to financial incentives for custom projects such as unique industrial process improvements. Small commercial customers have the option of zero percent financing to further offset the cost of making energy efficiency improvements.

Above: A high-efficiency boiler system was installed in Skidmore College with financial assistance from National Grid.

National Grid also offers a gas and electric multifamily building program, Energy Wise, which provides building owners with 5-50 dwelling units an energy audit and financial incentives for installation of energy efficiency measures. Examples of measures for which incentives are offered include: installation of clock thermostats; boiler reset controls; and roof, wall, floor, pipe, and duct insulation.

For more information on its energy efficiency programs go to the company's website at www.powerofaction.com/

New York City: Consolidated Edison Gas and Electric

Con Edison provides rebates and incentives to its gas and electric residential and commercial customers. Residential programs include: Residential HVAC heating and cooling rebate program, Residential Direct Install Program, Appliance Bounty Program, and Room Air Conditioner Program.

For its business customers, Con Edison offers programs that provide energy audits and prescriptive and customized incentives for the installation of energy efficiency measures. Examples of the measures available include: cooling, ventilation, lighting, motors and heating system upgrades, and weatherization measures.

Con Edison also offers a gas and electric multifamily program for building owners with 5 to 75 dwellings units. Examples of incentives offered include: installation of energy efficiency clock thermostats; boiler reset controls; roof, wall, floor, pipe and duct insulation, and energy efficient windows.

For more information on its energy efficiency programs, go the company website at http://www.coned.com/energyefficiency/.

Hudson Valley: Orange and Rockland Gas and Electric (O&R)

Orange & Rockland provides rebates and incentives to its residential and commercial gas and electric customers. Residential programs include: Residential HVAC gas heating rebate program and Residential Efficient Products Program that provides rebates for efficient new appliances and bounties for recycling of old freezers and refrigerators.

O&R offers its commercial electric customers programs for the installation of lighting improvements and other energy efficiency measures.

For more information on its energy efficiency programs, go the company website at http://www.oru.com/programsandservices/incentivesandrebates/.

Southern Tier, Hudson Valley, North Country: New York State Electric and Gas (NYSEG)

NYSEG provides rebates and incentives for energy efficiency improvements to its residential and commercial gas and electric customers.

The residential gas program is the High-efficiency Natural Gas Equipment and Duct Sealing Rebate Program. The residential electric program is the Refrigerator and Freezer Recycling Program.

The programs for commercial and industrial electric and gas customers offered by NYSEG include: Small Business Energy Efficiency Program, Block Bidding, and Commercial and Industrial Custom and Prescriptive Rebates. The Small Business program focuses on providing incentives for lighting improvements. The Block Bidding program allows large business customers to propose energy efficiency projects that, if selected, receive payments from the utility for demonstrated energy use reductions. Examples of measures for which incentives are available through the C&I Prescriptive and custom rebate program include: rebates for specific measures such as lighting and heating, and performance-based incentives for custom retrofit projects including industrial process improvements.

In addition, NYSEG offers electric efficiency incentives to multifamily building owners with 5-50 dwelling. Examples of incentives include: free installation of CFLs in up to six fixtures per dwelling unit, and up to 50% of the cost of common area lighting upgrades.

For more information on energy efficiency programs, go to the company's website at www.nyseg.com.

Finger Lakes, Western New York: Rochester Gas & Electric (RG&E)

RG&E provides rebates and incentives for energy efficiency improvements to its residential and commercial gas and electric customers.

The residential gas program is the High-efficiency Natural Gas Equipment and Duct Sealing Rebate Program. The residential electric program is the Refrigerator and Freezer Recycling Program.

The programs for commercial and industrial electric and gas customers offered by RG&E include: Small Business Energy Efficiency Program, Block Bidding, and Commercial and Industrial Custom and Prescriptive Rebates. The Small Business program focuses on providing incentives for lighting improvements. The Block Bidding program allows large business customers to propose energy efficiency projects that, if selected, receive payments from the utility for demonstrated energy use reductions. Examples of measures for which incentives are available through the C&I Prescriptive and custom rebate program include: rebates for specific measures such as lighting and heating, and performance-based incentives for custom retrofit projects including industrial process improvements.

In addition, RG&E offers electric incentives to multifamily building owners with 5-50 dwelling units for the installation of energy efficiency measures. Examples of incen-

tives includes: free installation of CFLs in up to six fixtures per dwelling unit, up to 50% of the cost of common area lighting upgrades.

For more information on its energy efficiency programs, go to the company's website at www.rge.com.

New York City: National Grid New York and Long Island (formerly Keyspan)

National Grid provides rebates and incentives for energy efficiency upgrades to its residential, commercial and industrial customers and multifamily buildings.

Residential programs include: Residential HVAC, Enhanced Home Sealing Incentives, and Residential Energy Star Products. The programs offer home audits and incentives for insulation, air sealing and weatherization measures, space and water heating upgrades, and Energy Star programmable thermostats.

In addition, National Grid offers large industrial and mid-size commercial programs for the installation of energy efficiency measures. Examples of the measures available include: space heating, indirect water heating, and boiler reset controls.

Above: As a result of National Grid's energy efficiency program, the owners of a 60-unit apartment building in Brooklyn were able to improve the building's energy efficiency.

National Grid also offers a multifamily program to building owners with 5 to 75 dwelling units. Examples of measures eligible incentives include: clock thermostats, boiler resets, roof, and wall, floor, pipe, duct insulation.

For more information on its energy efficiency programs, go the company website at http://www.powerofaction.com/efficiency/.

North Country: St. Lawrence Gas Company, Inc.

St. Lawrence Gas offers grants of up to $10,000 per project as part of its area revitalization program. The grants are made available for specific projects in targeted areas within the company's service territory. The money can be used to help cover the cost of installing gas infrastructure. For more information, go the company website at http://www.stlawrencegas.com/.

Statewide: New York State Energy Research and Development Authority (NYSERDA)

NYSERDA provides rebates and incentives for energy efficiency to electric and gas low-income, residential, commercial and industrial customers and multifamily buildings across New York State, except for Long Island and customers of municipal electric systems.

1650 President Street
Brooklyn, NY

Savings Summary

The Need — To help reduce natural gas costs in this affordable housing development.

The Solution — Installed high-efficiency heating, water heating and controls systems.

National Grid Incentive	$22,528
Estimated Annual Gas Energy Savings	5,632 Therms
Estimated Annual Gas Cost Savings	$7,828

EEPS programs provided by NYSERDA for the commercial sector include the High Performance New Buildings program, which offers assistance in incorporating energy-efficiency measures in the design, construction, and operation of new and substantially renovated buildings. These measures will reduce electric usage and demand and, therefore, reduce building operating costs.

The Flexible Technical Assistance program (Flex Tech) provides detailed technical studies and energy assessments of facilities, and analyzes opportunities for cost-effective energy efficiency improvements.

The studies and assessments are provided on a cost-shared basis with the participating business.

The Industrial Process and Efficiency program offers performance-based incentives for cost-effective process improvements that reduce energy use per unit of production. It is the implementation path for process improvement projects developed through the FlexTech Program.

A new program, targeted to the agriculture industry, offers farmers and food processors audits and studies through the Flex Tech program to identify and prioritize electric and gas energy efficiency improvements, and financial incentives to defray up to 75% of the costs to install energy efficiency measures.

The Existing Facilities program offers prescriptive and performance-based incentives for a variety of energy efficiency projects, including: lighting, HVAC, chillers, motors, variable frequency drives, commercial refrigeration, commercial kitchen equipment and washers and interval meters.

The Multifamily Performance Program provides technical assistance and cash incentives to help multifamily buildings reduce annual energy use by 15% or more. In addition, building owners may elect to participate in the Master-Metered Electric Reduction Program that provides incentives to install electric submeters and efficiency upgrades in apartments, or the Geothermal Heat Pump Systems Program.

The Home Performance with Energy Star program provides whole-house, all-fuels energy audits and incentives for installation of energy efficiency measures for 1-4 family homes.

The New York Energy Star program provides incentives to builders and developers to exceed building energy code requirements in the design and construction of new homes.

The low-income EmPower NY program provides cost-effective electric reduction measures, particularly lighting and refrigerator replacements, as well as other

cost-effective home performance strategies and health and safety measures. There is no cost to income-eligible customers that participate in this program.

The Assisted Home Performance program brings a whole-house building performance approach to energy efficiency improvements. The objective of the program is to reduce energy costs of low- and moderate-income households by providing affordable energy efficiency improvements for those that meet the established income eligibility requirements.

For more information, go to NYSERDA's website www.nyserda.org.

Renewable Portfolio Standard Program

The RPS program has been New York's primary policy initiative to promote development of new renewable energy resources since it was established in 2004. In December, 2009, the Commission expanded the RPS goal to increase the proportion of renewable electricity used by New Yorkers from 25 percent to 30 percent by 2015. RPS was established by the Commission to be funded by a small surcharge to electric delivery customers and administrated by NYSERDA. Additional information can be found at http://www3.dps.state.ny.us/W/PSCWeb.nsf/All/1008ED2F934294AE85257687006F38BD?OpenDocument and http://www.nyserda.org/rps/index.asp.

RPS Main Tier

Competitive Procurement

The Main Tier addresses technologies that sell their electricity into the New York Independent System Operator (NYISO) spot market or by bilateral contract. It consists primarily of medium to large-scale electric generation facilities that deliver their electrical output into the wholesale power market administered by the NYISO. Facilities must have been commercially operational on or after January 1, 2003.

The bidding process is a series of periodic competitive solicitations where many types of technologies compete against each other on the basis of price and incremental economic development contribution to the State. Technologies and projects are reached in the Main Tier based on where their costs/bids fall on a supply curve of all the competing technologies in relation to the RPs demand.

Additional information can be found at:

http://documents.dps.state.ny.us/public/Common/ViewDoc.aspx?DocRefId=%7BB1830060-A43F-426D-8948-F60E6B754734%7D and

http://www.nyserda.org/rps/PastSolicitations.asp.

Maintenance Resources

Maintenance Resources are used to maintain renewable generation facilities that existed prior to 1/1/2003 and which were included in the existing RPS baseline MWhs. Financial support is given to pre-existing baseline facilities that demonstrate the need for RPS financial support to continue operations.

Additional information can be found at:

http://documents.dps.state.ny.us/public/Common/ViewDoc.aspx?DocRefId=%7B601B2105-AD06-4FB0-8A7B-C4CFAF43BE9A%7D

RPS Customer-Sited Tier

The Customer Sited Program was established for behind-the-meter applications of renewable generation, allowing customers to directly participate in the promotion of innovative technologies. Customer-Sited resources include only certain self-generation, "behind-the-meter" facilities located in New York that are placed into service on or after January 1, 2003.

Additional information can be found at:

http://documents.dps.state.ny.us/public/Common/ViewDoc.aspx?DocRefId=%7BC4FA8087-B9C9-4E0B-8C6E-A3A272DC05B6%7D and http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf.

Photovoltaic (PV)

The PV incentive program continues to be offered through an open enrollment solicitation designed to offer the lowest incentive possible to continue to grow the market for PV. Incentive levels will be adjusted regularly to address consumer demand and market factors in a way that will avoid program "starts and stops" and enable renewable energy business to continue to grow in New York State. The program also integrates an electric energy efficiency audit as a component of the program.

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.nyserda.org/funding/2112pon.asp.

Fuel Cells

Incentives for fuel cells are provided in the form of capacity buy-down and performance -based payments for commercially mature fuel cell modules (experimental fuel cells are supported through the System Benefits Charge). Program payments are differentiated by the scale and type of application of fuel cell system.

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.nyserda.org/funding/1150pon.asp.

Anaerobic Digestion Generation (ADG)

Provides capacity and performance incentives for ADG systems installed at farms treating manure and other agricultural waste product, wastewater treatment plants, and businesses that treat organic wastes.

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.nyserda.org/funding/1146pon.asp.

Small Wind

This program focuses on regular and predictable competitive solicitations for capacity and performance. An open-enrollment program capacity buy-down component may also be used. System design and installation will be subject to verification and inspection respectively.

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.powernaturally.org/Programs/Wind/incentives.asp?i=8.

Solar Thermal

NYSERDA provides incentives for the installation of new Solar Thermal (ST) systems for the production of hot water to displace electrically heated hot water. System incentives are capped at $4,000.00 per site/meter for residential systems and $25,000.00 per site/meter for nonresidential applicants. (NYSERDA PON 2149 - Solar Thermal Program Manual).

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.nyserda.org/funding/2149pon.asp.

Geographic Balance Program

The Geographic Balance program is designed to acquire more renewable energy projects in the downstate regions of New York State to address the difficulty in siting renewable projects within the downstate area. The Commission established a budget of up to $30 million annually through 2015 for solicitations for larger-scale solar photovoltaic and biogas projects in NYISO Zones G, H, I and J. For eligible projects over 50 kW, up to $5 million would be available for Zones G & H (Lower Hudson Valley) and $25 million would be available for Zones I & J (Southern Westchester and NYC).

Additional information can be found at:

http://www.nyserda.org/rps/NYSERDA_Operating_Plan.pdf and http://www.nyserda.org/funding/2156pon.asp.

Utility Specific Economic Development Programs

Hudson Valley: Central Hudson Gas & Electric Corporation (Central Hudson)

Central Hudson is a regulated transmission and distribution utility serving approximately 300,000 electric customers and 74,000 natural gas customers in a defined service territory of New York State's Mid-Hudson River Valley which extends from the suburbs of metropolitan New York City north to the Capital District at Albany. Central Hudson considers itself a leader in promoting regional economic growth, improving system reliability, and effective cost management. Central Hudson has several economic development programs to help commercial and industrial customers relocate or expand in the Hudson Valley including.

For more on eligibility and program limitations, interested customers of Central Hudson should refer to the Central Hudson website at: http://www.centralhudson.com/pdf/economicdevbrochure.pdf

To apply for any of these programs non-residential customers should contact Anthony Campagiorni, Esq., Assistant Vice President, Governmental Affairs & Economic Development, (845) 486-5201 acampagiorni@cenhud.com

New Buildings

One of the most critical limitations that the Central Hudson service territory confronts is the lack of shovel-ready sites for qualified, high-technology industrial and manufacturing users. Central Hudson is supporting a shovel ready initiative to facilitate the development of sites for qualified, high technology industrial and manufacturing uses. Grants of up to $300,000 per site are available for soft costs including the State Environmental Quality Review Act (SEQRA) approval process and hard costs including trenching, manholes, conduit, and other costs related to providing electric and gas to a shovel ready site.

Wired Innovation Centers

Creating the jobs of the future is paramount to the success of the Hudson Valley. Although this region has a higher patent per capita than the Research Triangle of North Carolina, the area lacks much of the necessary infrastructure such as space for innovation. Buildings that are built for entrepreneurial endeavors or start-up space such as incubators are eligible for Central Hudson financial support. Grants up to $100,000 can be used for wiring of the buildings, including equipment for uninterrupted power systems, back-up generation, advanced energy efficiency heating and cooling systems, advanced energy efficiency lighting, and air handling/changing systems.

Job Creation-Attraction

Attraction of quality jobs into the region remains a critical component of the economic development efforts in Central Hudson's service territory. Central Hudson's Job Creation-Attaction program provides grants of $1,000 per job for positions paying more than $60,000 annually when a minimum of 25 jobs are created. Jobs must be created in advanced manufacturing/high tech/ green tech, emerging growth industries or in targeted industries by Central Hudson's economic development partners such as the Dutchess County Economic Development Corporation, Ulster County Economic Development Corporation, Hudson Valley Economic Development Corporation, Greene County Industrial Development Agency or Orange County Partnership for example.

Job Creation-Expansion

The expansion of existing businesses in Central Hudson's service territory also remains a top priority for the residents of the service territory. The job expansion program provides grants of $1,000 per job for positions paying more than $60,000 annually when a minimum of 25 jobs are created. Like the Job Creation-Attraction Program, jobs must be created in advanced manufacturing/high tech/green tech, emerging growth industries or in targeted industries by Central Hudson's economic development partners.

Revitalization

The Central Hudson service territory has many now largely vacant, former manufacturing buildings. The revitalization of older, abandoned industrial buildings is an important aspect of an overall economic development program. Grants of up to $100,000 are available. Eligible buildings must have at least 100,000 square feet of vacant space. In addition, buildings that seek to demolish, deconstruct, rehabilitate and/or reconstruct vacant or severely underutilized properties are eligible to apply for funding. Funds can be used for site development needs related to the project including, but not limited to water and sewer.

New York City: Consolidated Edison Company of New York, Inc. (Con Edison)

Con Edison delivers electricity to more than 3 million customers in Westchester County and the five boroughs of New York City and distributes natural gas to 1.1 million customers in Manhattan, the Bronx, Queens, and Westchester County. Con Edison also operates the largest district-energy steam system in the United States.

Con Edison's Economic Development team supports eco-friendly and industry-specific initiatives that are vital to business retention, attraction, and expansion – with emphasis on growth sectors such as biotechnology, food processing, tourism

development, and the creative economy. Con Edison provides expert guidance to government-incentive programs in your area and the most cost-effective and efficient electric-service options Con Edison has to offer. Con Edison offers relationship management between businesses looking to start, expand, or relocate a business in New York City or Westchester County, Con Ed and local government.

Con Edison offers:

- Electric and gas incentive rates for businesses that occupy vacant commercial or industrial buildings or move into newly constructed buildings, and reduced gas rates if you start, relocate, or expand in designated areas.
- Low-cost power for businesses and nonprofit organizations that retain or create jobs.
- Assistance in locating available commercial and industrial space throughout our service area.
- Referral to programs offered by local, state, and regional organizations that provide business information, products, services, and financing.

For more on eligibility and program limitations, interested customers of Con Edison should refer to the Con Edison website at: http://www.coned.com/ecodev/

To apply for any of these programs non-residential customers should contact any of the Con Edison Economic Development Managers: http://www.coned.com/ecodev/econ_develop_manage.asp

Hudson Valley: New York Orange and Rockland Utilities, Inc. (ORU)

ORU, a wholly owned subsidiary of Con Edison, is an electric and gas utility. ORU delivers electricity to 223,661 customers in Orange, Rockland and Sullivan counties and natural gas to 128,407 customers in Orange and Rockland counties. ORU's service territory is principally residential in nature, with a broad base of commercial, industrial, agricultural and recreational facilities.

ORU, offers a special incentive rate to qualifying electric business customers locating to — or expanding within — its service territory. ORU also works very closely with economic development organizations by sponsoring and partnering with state, county and regional agencies that offer discounted financing, tax credits, revolving loans and grants to achieve results. ORU's goals are to attract, retain and expand desirable business customers, to promote energy efficiency, and to collaborate with area business organizations to create new jobs and expand the area tax base.

During 2010, new business attractions and expansions included:

- Aerco International in Rockland County
- President Container, Takasago and Satin Fine Foods in Orange County
- Yukiguni Maitake in Sullivan County

To learn more about ORU's Economic Development Program visit:

http://www.oru.com/programsandservices/economicdevelopment/index.html

To apply for the program contact Richard M. Struck, Director, Economic Development at 845-577-2498 or by email at struckr@oru.com

Central NY, North Country, Mohawk Valley, Capital Region: National Grid - Niagara Mohawk Service Territory

Niagara Mohawk, an energy distribution subsidiary of National Grid and based in Syracuse, New York, provides electric service to approximately 1.5 million customers and natural gas service to approximately 540,000 customers in upstate New York. Niagara Mohawk's Economic Development Plan maintains a strong focus on site development, urban revitalization, strategic marketing, and facilitating customer growth through infrastructure assistance, energy efficiency and productivity improvement. The Plan also reflects an increasing emphasis on sustainable development, the efficient use (and re-use) of existing energy infrastructure, and the strategic deployment of renewable generation technologies.

Online program applications are available at: http://www.shovelready.com/incentives.asp. To learn more about these programs contact Arthur Hamlin, Director of Economic Development, 315-428-6882, Arthur.hamlin@us.ngrid.com

City of Hudson, Columbia County

In April 2011, National Grid presented Local Ocean, a grower of sustainable, ocean-based fish, with a $250,000 economic development grant to assist the Hudson company in expanding its salt water fish farm and increasing production five-fold. The grant is part of the National Grid's Capital Investment Incentive Program. The National Grid economic development grant will help offset utility costs associated with the expansion including pole relocation and installation of a new transformer platform and other utility upgrades. New gas service will also be extended to the addition. Local Ocean has made a capital investment of nearly $12.8 million in the expansion. The company has expanded its fish farm to include two new fish greenhouses, adding 160,000 square feet of greenhouse space, and also renovated its existing 150,000-square-foot industrial building. The company supplies markets and restaurants in a 500-mile radius of its farm with several species of saltwater fish. Local Ocean expects to add 50 new jobs to its work force within three years.

Town of Canajoharie, Montgomery County

Faced with the prospect of losing its source of steam when Beech-Nut moves from Canajoharie, NY to the Town of Florida, Richardson Brands considered moving its headquarters to Connecticut. However, thanks to an incentive package provided by New York State and National Grid, the company has moved the 40 jobs in Connecticut to Canajoharie and another 30 jobs from a company in Missouri that Richardson acquired in July 2008. The state provided $1.5 million and National Grid provided $400,000 to help Richardson purchase and install a new "Super Boiler".

Above: Don Butte, president of Richardson Brands Company, receives a check for $400,000 from Tom Wind of National Grid, as partial funding for a new Super Boiler

Rate Discount Program (SC-12 program)

National Grid's SC-12 program allows the utility to address the full range of customer growth and retention situations with both standardized and individually negotiated pricing contracts. The Business Attraction program offers discounts to prospective customers who are evaluating locations both inside and outside Niagara Mohawk 's service territory.

There are two levels of attraction discounts, the deeper of which is available to more energy intensive manufacturers. The Business Expansion program is available to current Niagara Mohawk customers (25 kW or larger) who are evaluating an expansion of their existing usage—either through physical expansion (i.e., increase in kW) or increased utilization (i.e., higher kWh usage). The customer's existing usage is "baselined," and discounts are applied above those historical levels of usage. The Revitalization program is designed to retain large manufacturing facilities in danger of closure due to financial distress. In order to qualify for discounts, customers must provide detailed financial information that demonstrates financial distress, identify and implement non-energy cost savings, and develop a comprehensive revitalization plan that will return the company to profitability. The Relocation program offers larger industrial customers discounts to prevent the relocation of manufacturing facilities to areas outside the Niagara Mohawk service territory. In order to qualify, customers must demonstrate that they have an economically viable relocation alternative. In recognition of the fact that electricity cost by itself is seldom the only factor driving a relocation challenge, the SC-12 discount must be part of a comprehensive competitiveness plan that includes public involvement in the form of state and/or local incentives or concessions.

Economic Development Grant Programs

- The Company's Grant Programs focus on site development, urban revitalization, strategic marketing, and facilitating customer growth through infrastructure assistance, energy efficiency and productivity improvement. The Grant Programs also reflect an increasing emphasis on sustainable development, the efficient use (and re-use) of existing energy infrastructure, and the strategic deployment of renewable generation technologies.
- The Capital Investment Incentive provides grants up to $500,000 to help fund energy infrastructure improvements (line extensions, substation construction, etc.) necessary to overcome barriers to customer growth. Eligibility is restricted to customers larger than 100 kW, and is open to both business attraction and expansion situations that involve substantial capital investment by the customer.

Above: Before and after pictures of Buffalo Lakeside Capital Park, a recipient of a National Grid Capital Investment Grant. The three businesses — CertainTeed, Cobey Inc. and Sonwil Distribution — occupying part of the site, the former Hanna Steel Plant, have created more than 400 new jobs.

- The Industrial Building Redevelopment program provides grants of up to $250,000 to owners of large vacant or underutilized buildings, to help retrofit internal energy infrastructure and convert the building to multi-tenant industrial use.
- The Brownfield Redevelopment program provides grants to fund utility related infrastructure improvements and other costs that are necessary to advance the redevelopment of a brownfield site or vacant building.
- The Shovel Ready Infrastructure program provides grants of up to $125,000 for the installation of energy delivery infrastructure to serve NYS-designated "Shovel Ready" sites. Funds can also be used for engineering studies that will advance these key sites through the Shovel Ready development process.
- The 3-Phase Power Incentive program provides grants to help fund the extension of 3-phase electric service to eligible National Grid customers who currently take single phase service.
- The Power Quality Enhancement program offers financial incentives for the installation of power quality mitigation equipment and controls. Qualifying applicants must demonstrate their facility has a

power quality problem that is resulting in production, operational, quality and/or cost issues.

- The Energy Efficiency in Empire Zones program provides incentives to eligible Empire Zone customers for the installation of energy-efficient lighting, controls, HVAC equipment, motors/electronic speed controls, and other systems that reduce energy use and/or enhance productivity.
- The Manufacturing Productivity Program delivers productivity and top-line growth assistance to mostly small and medium-sized manufacturing customers. The program is administered in collaboration with designated Regional Technology Development Centers across Upstate New York.
- Renewable Energy and Economic Development provides large (up to $750,000) grants to projects that demonstrate alternative generation technologies while producing significant economic development benefits for the region.
- The Main Street Revitalization program provides matching grants of up to $200,000 to municipal and non-profit development entities to help fund the redevelopment of vacant commercial buildings in critical commercial corridors across Upstate.

City of Schenectady, Schenectady County

In March, 2010 National Grid awarded nearly $1 million to further develop and enhance two major economic development projects in Schenectady County. The funds were approved for two projects, one to Metroplex, Schenectady County's Economic Development organization and the other to BN Partners for the rehabilitation of a site that is now home to the new Golub Headquarters project.

Metroplex received a $763,000 Urban Center/Commercial District Revitalization grant to benefit a project that will link State Street and the Proctors block redevelopment area in downtown Schenectady to Union College and Union Graduate College. The project includes the rehabilitation and expansion of Center City, a $30 million mixed use commercial, retail, and tech complex that also features a new YMCA branch. A new five-story addition to Center City is currently under construction. The new pedestrian walkway that will link Center City to the two colleges will include energy efficient LED lighting and will serve as a connector between the two colleges and the growing downtown.

In addition, National Grid provided a $200,000 Brownfield Redevelopment Assistance grant from National Grid for the cleanup of the ten-acre former "Big N" site. As a result of this rehabilitation project, the site was chosen as the home of the new, LEED certified Golub Headquarters, a $30 million project that is nearing completion just a few blocks from the new Center City complex. The new Golub Headquarters will bring 850 jobs to downtown Schenectady and represents a $37 million investment.

New York City, Long Island: National Grid - Keyspan Energy Delivery

Keyspan Energy Delivery, a natural gas distribution subsidiary of National Grid and based in Brooklyn, New York, provides natural gas service to approximately 1 million customers in Brooklyn and approximately 500,000 customers on Long Island.

Niagara Mohawk's Economic Development Plan maintains a strong focus on site development, urban revitalization, strategic marketing, and facilitating customer growth through infrastructure assistance, energy efficiency and productivity improvement. The Plan also reflects an increasing emphasis on sustainable development, the efficient use (and re-use) of existing energy infrastructure, and the strategic deployment of renewable generation technologies.

For more information visit the website at: www2.nationalgridus.com. To apply for one of these programs contact Domenic Abbatiello, Director of Economic Development, 516-545-3873, domenic.abbatiello@us.ngrid.com

Economic Development Gas Rate Program (EDGAR)

Keyspan Energy Delivery's EDGAR program allows the utility to address the full range of customer growth situations with standardized discount programs. The Business Incentive Rate (BIR) program may be used to help businesses start up, relocate, or expand in the Keyspan service territory. This gas incentive rate is available to firm commercial and industrial customers that increase their gas usage and are induced by an economic development agency in the form of either a loan or grant to be used for capital improvement (i.e. Industrial Development Agency, Energy Cost Savings Program, Small Business Administration, Job Development Authority and Industrial Incentive Abatement Program). The program is also available to graduates of the New State State "Incubator" program.

Area Development Program (ADR)

Keyspan Energy Delivery's ADR program allows businesses who are locating to or are currently located in identified areas that increase their gas usage to qualify for standardized discount programs. This program has a term of 5 years, discount delivery portion of the bill and an average discount of 15%. All participants must take advantage of available energy efficiency programs.

Economic Development Grant Program

This community development initiative called the "Cinderella Program" is designed to help revitalize local communities. This program offers rehabilitation grants to encourage non-profits and for profits, restore vacant buildings that make an impact in the communities served. Existing building must be abandoned or unoccupied for at least one year, however new construction projects will also be considered. These projects must have a community and economic impact in surrounding areas.

Western New York: National Fuel Gas Distribution Corporation (NFG)

NFG transports natural gas to over 600,000 customers through a local distribution system located in eleven counties in western New York. Major areas served include Buffalo, Niagara Falls and Jamestown. To learn more about NFG's Economic Development Programs visit its Web site at http://www.natfuel.com/for-business/NY/EconomicDevelopment.aspx. To apply for a program grant contact NFG's Energy Services Department at 716-857-7776.

Area Development Program (ADP)

National Fuel has a grant program designed to help address poor economic conditions in its service territory. ADP provides grants for projects that will directly or indirectly attract and preserve jobs, improve the workforce, generate investment and stimulate economic activity and redevelopment in NFG's service area. Project grants also attempt to focus on brownfields and areas with underutilized existing infrastructure. To be approved for funding projects must meet at least one of the following criteria:

- Stimulate investment in infrastructure for the development or redevelopment of underutilized industrial or commercial property, including but not limited to brownfield sites or brownfield opportunity areas.
- Create new employment opportunities or higher value employment opportunities.
- Provide workforce training or retraining to assure that higher value skills are available in the workforce, when needed.
- Stimulate the expenditure of private investment in direct capital expenditures needed to expand employment.

Southern Tier: New York State Electric & Gas Corporation (NYSEG)

NYSEG, a subsidiary of Iberdrola USA, serves 878,000 electricity customers and 261,000 natural gas customers across more than 44 upstate counties in its

18,000-square-mile service area. NYSEG offers incentives in the form of rate discounts and funding assistance to help make upstate New York an attractive place to do business. To find out more about NYSEG's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a NYSEG Program contact NYSEG at 1.800.456.5153 or e-mail at dawn_cote@rge.com

NYSEG recently awarded a $400,000 economic development grant to Tessy Plastics as part of Tessy's $12 million manufacturing facility expansion in Elbridge. The expansion will enable some production to shift from North Carolina to upstate New York, protecting 50 existing jobs and creating 50 new positions. NYSEG awarded a $350,000 economic development grant to Owens-Illinois (O-I) for transformer and other electrical improvements at its glass container plant in Auburn.

Rate incentives programs

- Incremental Load Incentive (ILI) program offers the potential for a reduction from the standard tariff rate for five years to businesses that are adding a minimum of 25 kilowatts of electric load.
- Empire Zone Incentive (also known as the "Economic Development Zone Incentive" or EDZI) offers the potential for a reduction from the standard tariff rate, for up to 10 years for businesses having received Empire Zone certification that are locating or expanding in a designated Empire Zone.
- Competitive Pricing: Under special tariffs, NYSEG may provide negotiated prices to new customers or for qualified expansions by existing customers. Eligibility is contingent upon the applicant having a competitive alternative to NYSEG and minimum connected load.

Grant Programs

- Brownfield/Building Redevelopment Program – Funding assistance up to $500,000 per project for electric related infrastructure improvements on either the NYSEG-owned or customer-owned (as directed by NYSEG) equipment and other costs necessary for the redevelopment of a brownfield site or vacant building.
- Utility Infrastructure Investment Program- Funding assistance up to $400,000 per project for electric related infrastructure improvements on either NYSEG-owned or customer-owned (as directed by NYSEG) equipment involving existing or prospective customers, either stand-alone or in a business or industrial park.
- Capital Investment Incentive Program – Funding assistance up to $300,000 per project for capital investments of $1 million or greater to

fund electric related improvements on equipment either NYSEG -owned or the customer (as directed by NYSEG)

- Agriculture Capital Investment Program – Funding assistance up to $100,000 per project for smaller farms toward electric-related infrastructure improvements on either NYSEG-owned or customer-owned (as directed by NYSEG) equipment. Each project must involve capital investment of at least $50,000 and have a monthly incremental electric demand after capital investment of at least 25 kilowatts.
- Business Energy Efficiency Assistance is a program which NYSEG partners with the New York State Energy Research and Development Authority (NYSERDA) on several programs to encourage energy efficiency. Under these programs, the applicant will be required to make a financial contribution of at least 33.3% to the total investment made.
- Economic Development Outreach program allows NYSEG to supplement other economic development funding, on a per-initiative basis, for strategic outreach projects that will primarily focus on attracting new business investment into the NYSEG service area.
- Gas Infrastructure Investment Program provides funding assistance of up to $25,000 per project for new gas delivery related facilities involving existing or prospective customers, stand alone or in a business park, provided average monthly throughput after capital investment of at least 50 therms per hour. Capital investment is a minimum of $250,000.
- Power Quality/Reliability program allows NYSEG, in consultation with the customer and/or its representatives, to pay up to 50% of equipment costs required for power reliability or quality improvements to be installed behind the meter. Maximum of $50,000 per project.

Finger Lakes: Rochester Gas and Electric Corporation (RG&E)

RG&E, a subsidiary of Iberdrola USA, serves 367,000 electricity customers and 303,000 natural gas customers in a nine-county region centered on the City of Rochester. RG&E's economic development programs are designed to encourage new capital investment and grow/keep jobs by helping to retain businesses, expand existing businesses and to attract new businesses to upstate New York.

To find out more about RG&E's Economic Development Programs visit http://www.lookupstateny.com/. To apply for a RG&E Program contact RG&E at 1.800.456.5153 or e-mail at dawn_cote@rge.com

City of Rochester, Monroe County

In April 2011, Nothnagle Realtors was awarded $156,000 in economic develop-

ment funds for electrical infrastructure upgrades at Nothnagle's new corporate headquarters at 217 West Main Street in downtown Rochester. Nothnagle has already moved 65 employees into the newly-renovated 27,000-square foot four-story brick structure, with a few more to arrive soon, and expects to hire 35 more staffers there within the next five years.

At the same time, RG&E awarded General Motors Components Holdings LLC (GMCH) a grant for electrical infrastructure construction at its Lexington Avenue assembly plant in the City of Rochester. This investment by RG&E is part of a $100 million manufacturing upgrade/expansion planned for the facility which will help retain about 794 jobs and add 30 new jobs in the area.

Finally, RG&E awarded Nazareth College $300,000 in economic development grants for electrical infrastructure construction at the college's new Integrated Center for Math and Science. This 74,000 square foot LEEDS certified facility will house 20 biology, chemistry, physics, anatomy & physiology, math, computing and ecology labs, and will be an important resource in preparing K-12 educators and healthcare professionals in the RG&E service territory.

Above: Groundbreaking Ceremony at Nazareth College

Economic Development Rate Incentives

- Incremental Load Rate Incentive (ILR)- Offers the potential for a reduction from the standard tariff rate for four years to businesses that are adding a minimum of 25 kilowatts of electric load.
- Empire Zone Rate Incentive Program (EZR)- Offers the potential for a reduction from the standard tariff rate for 10 years for businesses having received Empire Zone certification, that are locating or expanding in a designated Empire Zone.
- Under special tariffs, RG&E may provide negotiated prices to new customers or for qualified expansions by existing customers. Eligibility is contingent upon the applicant having a competitive alternative to RG&E and minimum connected load.

Grant Programs

- Brownfield/Building Redevelopment Program - Funding assistance up to $500,000 per project for electric related infrastructure improvements on either the RG&E -owned or customer-owned (as directed by RG&E) equipment and other costs necessary for the redevelopment of a brownfield site or vacant building.
- Utility Infrastructure Investment Program – Funding assistance up to $400,000 for per project for new electric-related infrastructure

improvements on either RG&E-owned or customer-owned (as directed by RG&E) equipment involving existing or prospective customers, either stand-alone or in a business or industrial park.

- Capital Investment Incentive Program – Funding assistance up to $300,000 per project for capital investments of $1 million or greater to fund electric related improvements on equipment either owned RG&E or the customer (as directed by RG&E).
- Business Energy Efficiency Assistance is a program which RG&E partners with the New York State Energy Research and Development Authority (NYSERDA) on several programs to encourage energy efficiency. Under these programs, the applicant will be required to make a financial contribution of at least 33.3% to the total investment made.
- Economic Development Outreach program allows RG&E to supplement other economic development funding, on a per-initiative basis, for strategic outreach projects that will primarily focus on attracting new business investment into the RG&E service area.
- Gas Infrastructure Investment Program – Funding assistance for new gas delivery related facilities. Program eligibility to align with either the Brownfield/Building Redevelopment or Utility Infrastructure Investment program.
- Power Quality/Reliability program allows RG&E, in consultation with the customer and/or its representatives, to pay up to 50% of equipment costs required for power reliability or quality improvements to be installed behind the meter. Maximum of $50,000 per project.

System Benefits Charge

The Public Service Commission established the electric System Benefits Charge (SBC) in 1996 to fund specific public policy energy initiatives that were not expected to be adequately addressed by competitive markets following restructuring of the electric industry in New York.

Industry restructuring involved the opening of electricity markets to competition for the provision of generation, capacity and other services. The SBC programs are administered by the New York State Energy Research and Development Authority (NYSERDA) and designed to serve the diverse needs of New York energy consumers from residential homeowners and tenants to manufacturing plants and commercial office buildings.

The first three-year SBC funding plan established in 1998 was funded at $78 mil-

lion per year, and targeted three major program areas: support for cost-effective electric energy efficiency improvements in residential, commercial and industrial buildings; promotion of energy affordability for the low-income sector through energy efficiency and weatherization programs to reduce energy bills; and electric research, development and demonstration projects.

The PSC renewed the SBC program in 2001 and then again in 2005, with additional focus on both demand response programs (in 2001) and on low-income customers (in 2005). The current annual SBC funding level is $175 million. Funding of the SBC programs is through the SBC surcharge on electric utility customer bills.

In December 2010, the PSC issued a decision to continue the SBC programs through the end of 2011 and integrate the SBC energy efficiency programs with their respective Energy Efficiency Portfolio Standard (EEPS) programs. The Commission is also working with NYSERDA, the utilities and interested parties to assess and adjust as necessary the SBC and EEPS portfolio beyond 2011, including a review of the energy efficiency programs as well as necessary R&D and market development activities.

For residential customers, current SBC programs offered by NYSERDA include the Home Performance with Energy Star program for existing homes, the new Energy Star Homes program, and the Multi-Family Performance program for apartment buildings with 5 units or greater. SBC programs offered to low-income residential customers include the EmPower New York program, the Assisted Home Performance program and the low-income Multifamily Performance program.

SBC programs for commercial and industrial customers include the Existing Facilities Program, the High Performance New Construction program, the FlexTech technical assistance program, and the Energy Smart Business partners program.

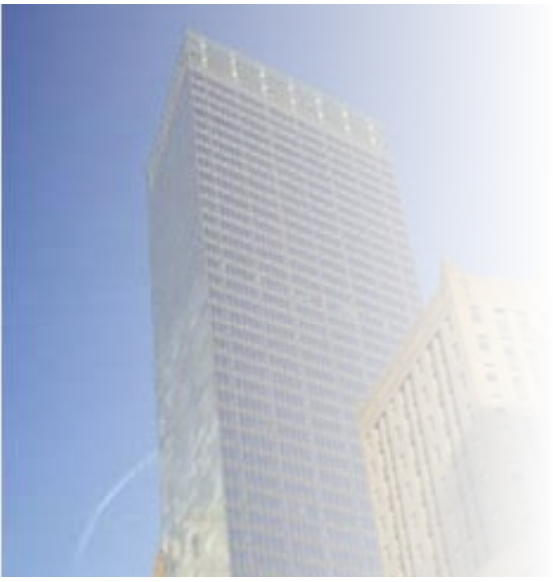
Home Performance With Energy Star

NYSERDA's Home Performance with ENERGY STAR Program brings a whole-house building performance approach to energy efficiency improvements for new and existing homes. The program uses a network of independent home improvement contractors and builders trained to identify energy efficiency improvements and to build and test homes using a 'whole-house' approach. NYSERDA contractors have performed thousands of house audits and have built over 17,000 Energy Star homes in New York.

The objective of the program is to reduce energy costs to all homeowners, including low- and moderate-income households, and offers low-interest financing and other assistance.

Multi-Family Performance Program - Gateway Apartments Project Brooklyn, NY

Gateway Apartments is an affordable housing complex in Brooklyn, NY. Once foreclosed upon and nearly vacant, the 85-year-old terra cotta adorned residence was in need of extensive renovation. Using NYSERDA's assisted MPP, a number of improvements and upgrades were analyzed to determine the cost-effectiveness and savings of new energy-saving measures. With implementation of the recommended energy enhancements complete, Gateway is now setting new standards for energy efficiency in smaller-scale affordable apartment buildings. Collectively, tenants are expected to see a reduction in their energy bills of about $3,000 annually. An additional $18,900 annual savings will improve the operating budget and durability of the underlying financing. With various energy and health and safety improvements, Gateway Apartments can offer its residents an improved quality of life and significant savings on their monthly energy expenses. "Affordable housing is critical to our community. The creation of an energy-efficient building is essential to PACC's (Pratt Area Community Council) ability to maintain the affordability of this property," said Deb Howard, executive director of PACC. "We are grateful for NYSERDA's financial and technical assistance in this effort, and recognize the lasting value these energy investments will have for our residents."



Commercial New Construction - 7 World Trade Center, NYC

Standing 750 feet tall, 7 World Trade Center is a 52-story building containing 1,300,000 square feet of office space. Silverstein Properties, owner of the building, sought to incorporate life-safety enhancements that would become the proto-type for high-rise construction. With the help of NYSERDA, 7 World Trade Center became New York City's first "green" office tower by achieving the Gold rating in the United States Green Building Council's Leadership in Energy and Environmental Design (LEED®) Core and Shell System program. Steven Winter Associates, Inc., a NYSERDA technical consultant, was contracted to analyze the energy use of the proposed building under the New Construction Program. The energy analysis was cost-shared by NYSERDA. Baum and Bolles, a full service mechanical and electrical consulting engineering firm was provided commissioning assistance to ensure the long-term efficiency of the building.

Commercial & Industrial Technical Assistance – St. Peters Hospital, Albany

St. Peter's Hospital is a 615,000 square foot, 450-bed acute care facility in Albany. The Hospital also owns and operates two other facilities on the same campus. These are the Professional Office Building, a three-story, 50,000 square foot facility housing 16 separate medical suites, and the Villa Mary Immaculate, a 160-bed nursing home. St. Peter's worked with NYSERDA, Novus Engineering, and Atlantic Energy Services to identify and implement various energy efficiency measures through the New York Energy $martSM FlexTech Program and Commercial/In-

dustrial Performance Program. With assistance through these programs St. Peters was able to implement a number of HVAC, lighting and other improvements resulting in energy savings of over $50,000 annually and 630 annual MWh saved.

Office of the State Comptroller

The State Comptroller is New York State's chief fiscal officer. The office was initially established in New York State in 1797, when Governor John Jay appointed Samuel Jones as the first Comptroller and charged him with examining the State Treasurer's books. At the Constitutional Convention of 1846, the people won the right to elect the State Comptroller directly, ensuring the independence of the office. Millard Fillmore, later President of the United States, was the first popularly elected State Comptroller.

Over the years, the duties of the State Comptroller have steadily expanded, and the Office of the State Comptroller has a scope of responsibility that includes:

Administering the New York State and Local Retirement System for public employees, with more than one million members, retirees and beneficiaries and more than 3,000 employers;

- Acting as sole trustee of the $129 billion Common Retirement Fund, one of the largest institutional investors in the world;
- Maintaining the State's accounting system and administering the State's $12.6 billion payroll;
- Issuing reports on State finances;
- Managing the State's assets and issuing debt;
- Reviewing State contracts and payments before they are issued;
- Conducting audits of State agencies and public benefit corporations;
- Overseeing the fiscal affairs of local governments, including New York City;
- Overseeing the Justice Court Fund and the Oil Spill Fund
- Acting as custodian of more than $9 billion in abandoned property and restoring unclaimed funds to their rightful owners;

The Office of the State Comptroller also establishes regulations, issues publications, conducts training and proposes legislation to improve government operations at all levels.

A number of functions of the Comptroller's Office also impact economic development in New York State.

In-State Private Equity Investment Program

The New York State Common Retirement Fund (CRF) invests in New York-based companies through its In-State Private Equity Program. Launched in 1999, the In-State program invests in profitable companies committed to staying and growing in New York. CRF funds the investments through its private equity managers, who locate companies with substantial growth prospects and that are in need of capital. As of April 2011, CRF has invested $554 million in 176 companies and still has $424 million available to invest in other eligible New York-based businesses.

To ensure that investments meet fiduciary standards, the general partner funds are vetted and selected using minimum standards. The investment process for its core private equity portfolio requires both CRF staff and its private equity consultants to review investment opportunities.

The Fund employs a broadly diversified strategy for its portfolio to reduce risk. Investments are made utilizing a variety of strategies and managers from funds of different vintage years. Private equity comprises the bulk of the CRF's Alternative Investment portfolio. Private equity generally invests in partnerships that invest in companies not publicly traded. Strategies include:

- Venture capital - investing in new companies and technologies.
- Corporate finance - leveraged buyouts and financing for established companies seeking capital for expansion.
- Special situations funds - investing in specific industries or following unique strategies - such as mezzanine, distressed debt or the secondary market.

New York Business Development Corporation

Small Business Loans

Through a lending partnership with the New York Business Development Corporation (NYBDC), CRF funds loans to small businesses that need working capital, or wish to purchase equipment or property. With a focus on small-business lending, NYBC frequently offers more favorable loan terms than other lenders. The program aims to make at least 25 percent of its loans to women- or minority-owned businesses. Since the program began in 1987, NYBDC has made 892 loans totaling $263.9 million to businesses that employ over 18,000 New Yorkers. Last year, NYBDC made 37 loans totaling $15 million.

Loans are usually in the range of $25,000 to $1,300,000 at fixed interest rates. These loans can be use for working capital, real estate, leasehold improvements, machinery and equipment (M&E), relocation costs, debt refinancing, and busi-

ness acquisitions. NYBDC term loans amortize based on three to twenty year repayment schedules depending on the purpose of the loan:

- Working capital is 5 to 7 years;
- M&E is up to 10 years and,
- Real estate is up to 20 years.

Fairness in the Award of State Contracts

The Comptroller's office reviews and approves the vast majority of State contracts. Procurement laws and guidelines require the award of state contracts to responsible company vendors. The Comptroller's office works to reduce burdens on businesses competing for State contracts. The Comptroller's Office has also taken steps administratively to ensure that all contracts are awarded to responsible vendors that have both the integrity to justify the award of public dollars and the capacity to fully perform the requirements of the contract. To achieve these goals, the Comptroller has worked to standardize the review process by State agencies, and require State agencies to document steps taken to verify that vendors are responsible.

A variety of procurement methods are available for use by State agencies, including competitive bids (invitations for bid and requests for proposal); grants, sole and single source procurements; piggyback contracts; discretionary purchasing; preferred sources; mini-bid; architect, engineering and construction; emergency purchases; and printing contracts.

Agencies are required to obtain information from contractors that the agency deems relevant and addresses each of the following factors: 1) legal authority to do business in New York State; 2) integrity; 3) capacity (organizational and financial); and 4) previous performance. Agencies determine vendor responsibility by having them document the following:

- New contract
- Agreement with an estimated amount of $100,000 or greater
- Real estate (purchase, sale or lease) except for Eminent Domain or real property sales which are required by law to sold the highest bidder
- Assignments
- Change in contract value not provided for in the original contract
- Change to contract time or value provided for in the original contract (i.e. renewal)

- Change in contract not provided for in original contract resulting in additional time at no cost
- Non- material amendment/renewal/extension with adverse information
- Construction change order with adverse information
- Mini-bids against backdrop contracts with adverse information

Department of State

Building sustainable communities and efficient local governments requires the cultivation of strong partnerships between local and regional leaders to develop and implement solutions to common challenges. The Department of State (DOS) has historically supported New York's communities and these partnerships by providing community planning, project implementation, training, and funding assistance.

Successful communities can be defined as those that build local and regional consensus, create an action plan and find funding to realize and sustain a defined vision. To assist with this, DOS programs provide the resources and expertise to help successfully revitalize communities and improve the efficiency and effectiveness of municipal service delivery.

Community development must also make sense within a regional, national and global context, and meet multiple public objectives. DOS provides regional collaboration between public and private sector stakeholders involved in community planning, service delivery, economic development and natural resource management projects.

The following is a summary of these programs:

Local Waterfront Revitalization Program

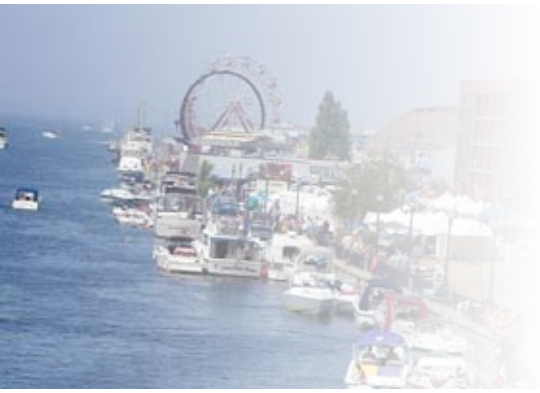
Ninety percent of New York State's population and a wide variety of economic and natural assets are concentrated in the communities along its waterfronts. To protect and enhance the economic vitality and natural resources of these areas, this program provides expertise and financial assistance to municipalities to develop and implement community revitalization plans through the Local Waterfront Revitalization Program (LWRP).

A LWRP is both a land and water use plan prepared by a community, and a strategy for its implementation. The LWRP may address all issues that affect a community's entire waterfront, or it may address only the most critical issues facing a significant portion of its waterfront. Information on the program is available at: http://nyswaterfronts.com/communities_LWRP.asp

Nearly every major city and urban community within New York is located along a waterway. DOS recognizes that the redevelopment of urban waterfronts and strong connections between downtowns, neighborhoods, and the waterfront are essential for the economic vitality of urban communities.

Funding to prepare and implement LWRPs is provided is available to cities, towns, villages and counties through the Environmental Protection Fund Local Waterfront Revitalization Program (EPF LWRP). Currently, over 750 communities along waterways throughout New York State are eligible to receive funding to participate in the LWRP. Covering all aspects of planning, design and construction, DOS funds projects that focus on economic, community, environmental and recreational improvements, reinforcing DOS's commitment to improving both local economies and the environment.

Through its work assisting local governments in making their waterfronts an asset that brings new life and energy to the entire community, the Department is using the LWRP as a means for effectively working in partnership with communities across the state to revitalize downtowns, build on assets, and manage waterfront resources. Examples of successes involve the following communities:



The **City of Oswego**, with continued professional guidance from staff and funding provided by DOS, has completed a 1.5 mile long promenade extending along both sides of the Oswego River, which bisects the downtown; expansion of the City's Wright Landing marina, which has greatly strengthened the local economy to better accommodate recreational boaters and fishing derbies; and infrastructure improvements to revitalize the Port of Oswego. The public improvements identified in the LWRP, and subsequently constructed, have spurred over $16 million in private investment as hotels, restaurants and other businesses have opened along the waterfront and in the downtown. No other community has more successfully achieved economic revitalization through the development of public access improvements, which bring people to the downtown, on an everyday basis, as well as through seasonal festivals. The City is now firmly established as the major regional harbor center for recreational boaters.

The **Town and Village of Clayton** has become firmly established as a regional boating center. The LWRP defined a consensus on priority issues and projects, and the Department followed through with substantial technical and financial assistance to implement the program. This assistance was critical in constructing a dock for commercial cruise ships transiting the Thousand Islands/St. Lawrence River, with staff at the Department promoting the benefits that this dock would bring when others were doubtful; renovating its historic Opera House, which was in a state of disrepair and neglect, into a cultural center and important downtown destination; developing a master plan for the redevelopment of the Frink America site and issuing an RFP for a developer to implement plans that included a destination hotel, residential and commercial uses; and embarking on a riverwalk project that will form a continuous path along the Village waterfront. These projects have substantially strengthened Clayton's historic tourism economy, revitalized the downtown, and boosted local capacity.

Eight years ago, the **Village of Rouses Point** sought the Department's assistance in addressing the high vacancy rates and declining property values in its downtown. Initially, the Department staff worked hands-on with Village officials and volunteers in preparing a downtown and waterfront strategy, which identified projects needed for revitalization. These have now been successfully implemented and include design guidelines to protect the Village's historic character; construction of a scenic pier, which transformed a blighted portion of the waterfront and downtown area; and public boater facilities to provide recreational boaters along Lake Champlain with an opportunity to patronize downtown establishments. Key to getting these projects off the ground was the Department's direct role in building the local capacity of the Village. This was done by the Department providing the financial means for the Village to hire a project coordinator and then providing the coordinator with technical guidance on how to successfully complete existing projects while initiating new ones. The Village is now implementing new gateway improvements and enhancements to the Village park and attracting private sector investment, façade and building restorations, and seeing new shops open.

In **Lake George**, DOS has been instrumental in providing the expertise and resources necessary for the Village to strengthen its downtown and tourism economy by recognizing and building on its greatest asset – the proximity of downtown to Lake George. DOS assisted the Village in constructing a pedestrian walkway along its waterfront; installing streetscape improvements along streets connecting the waterfront to commercial areas; converting these streets from vehicular access to pedestrian access to improve pedestrian circulation to the waterfront; and constructing a regional visitors center, which includes exhibits to interpret the region's heritage and natural resources, and provides a central point for businesses and services available to visitors. All of these projects financed through grants from the EPF LWRP, and developed with direct staff support from the Department, have resulted in substantial economic benefits to the Village and a reorientation of local businesses to the Lake. As a result, the Village's tourism economy has been substantially strengthened and commercial vacancies along Canada Street, the major downtown thoroughfare have been eliminated.

DOS's intensive involvement over 20 years with the **City of Kingston** has played a major role in the redevelopment of the City's Rondout Creek waterfront. With the completion of its LWRP in 1992, the City, with extensive hands-on professional guidance from the Department on design, remediation and permitting issues, developed a strategy for the Rondout waterfront and has been steadily implementing the projects identified in the strategy through the EPF LWRP. The Creek has been transformed from an area previously occupied by abandoned, deteriorated buildings, junkyards and other industrial uses into a thriving entertain-

ment district, filled with mixed-use shops, restaurants and apartments in the 19th century structures. The result is an inviting waterfront, with new floating docks for boaters, a shoreline promenade that connects to the downtown, streetscape enhancements along East and West Strand, and the adoption of design guidelines. The Department is now engaged with the City in completing the next phase of its strategy, which calls for: facade enhancements to the sewage treatment plant, design plans for the reconstruction of the Dayline Dock at Kingston Point, and identifying solutions for controlling periodic flooding of East Strand. According to the City, for every $1 in public money invested, $6 to $7 in private money is invested in waterfront projects. The results achieved in Kingston through the partnership of the LWRP are a model for other communities.

DOS has been a partner in every step of the **Village of Greenport's** waterfront and downtown revitalization. Over the years, a vision of thriving waterfront redevelopment that respected Greenport's maritime heritage has guided the Village's revitalization strategy. The Village implemented zoning changes and improvement projects that have turned the local economy around. Illustrating private sector response to the protection of waterfront commercial zoning and uses, a defunct shipyard has turned into a state-of-the-art shipbuilding facility, employing 40 people and manufacturing a wide range of products for civilian and military clients. Department staff worked hand-in-hand with the Village on a key project to redevelop the former derelict Mitchell's Restaurant and Marina site into a waterfront destination park featuring a harborwalk, transient marina, amphitheater, seasonal ice rink and a stunning glass pavilion housing a turn-of-the-century carousel. At the height of project effort, Department staff provided almost daily assistance to Village officials and to the consultants in coordinating all aspects of the project, including park design, stormwater management, brownfield remediation, funding opportunities interagency coordination and permitting issues. As a result, the Village has a vibrant waterfront park that is used year round and that is an integral part of the successful revitalization of downtown.

Local Government Efficiency Program

An unaffordable cost of living, including high state and local taxes has been a key driver of much of the New York State's economic decline and population loss. The reorganization of local government and service delivery structures is one option to meet these challenges by creating service delivery efficiencies and reducing local government costs. The Local Government Efficiency (LGE) Program can provide expertise and financial assistance to local governments looking to gain a competitive advantage to compete in today's economy.

Challenges imposed by changing demographics and aging infrastructure make intermunicipal and regional collaboration an attractive option. In many upstate New York communities, the LGE program has worked to reduce costs through consolidation and sharing of water and wastewater infrastructure. These projects have focused on maximizing the capacity of the existing infrastructure in the existing communities.

For example, in the **Town of Glenville** has worked to consolidate wastewater services with the Town of Clifton Park and the Glencliff Elementary School. In this case, the Alplaus Sewer District #1 in the Town of Glenville agreed to accept wastewater from the Old Ott Sewer District in the Town of Clifton Park, which had a deficient sewage treatment facility. The agreement between the sewer districts crossed not only municipal, but also county borders. In this case the annual savings derived from the project is over $163,000 with direct household impacts of over $740.

Other examples include the **Erie County Water Authority**, and its work with the Village of Blasdell, Town of Eden, Town of Evans and Town of Hamburg to consolidate much of their infrastructure management activities. Also in the Cities of North Tonawanda and Lockport, they are exploring options with the Niagara Falls Water Board to optimization/consolidate water and wastewater services among the three cities.

DOS is also working with school districts to reduce costs and create efficiencies. In **Nassau County, the Board of Cooperative Educational Services (BOCES)**, with direct support from Nassau County, has created a shared services platform with a majority of the county's 56 independent school districts, to concentrate on four shared non-instructional functions: purchasing; information technology and telecommunications; out-of-district transportation; and internal audit. The project is leveraging a $1 million LGE grant to create total savings of over $40 million. This project, unique in NYS in its depth and scope, is leading to the transformation of how intergovernmental services are shared and is serving as a replicable model for similar multi-jurisdictional entities in NYS.

Many other local governments are looking directly at the re-organization of local governments themselves. In 2010, the residents of the **Village of Perrysburg in Cattaraugus County** voted to dissolve after a feasibility study showed significant tax savings for residents. The Village has 408 residents and an annual budget of $290,000. The dissolution will be effective commencing January 1, 2012. The anticipated yearly savings from the dissolution is $125,195, with an average reduction of $127 on village households and $24 per household in the town.

By assisting local governments with studies and projects looking to provide services on a regional basis, DOS has seen that a reduction of the cost of services and a reduction in local taxes can help to position communities for expanded economic development. Local governments across New York State are finding ways to provide services both locally and regionally to help them to reduce or maintain existing tax rates. These projects impact all levels of local government.

Program information is available at: http://www.dos.state.ny.us/lg/lge-index.html

Brownfield Opportunity Areas Program

The Brownfield Opportunity Areas (BOA) Program provides expertise and funding to municipalities and community organizations to prepare revitalization and implementation strategies for communities affected by brownfields or economic distress. Brownfields are dormant properties where contamination or perceived contamination has impeded investment and redevelopment, making them an economic and environmental drain on localities.

The program provides a neighborhood or area-wide approach, rather than the traditional site-by-site approach, to the assessment and redevelopment of brownfields and other vacant or abandoned properties. The neighborhood approach enables communities to comprehensively assess existing economic and environmental conditions associated with brownfield blight and impacted areas, identify and prioritize community supported redevelopment opportunities and attract public and private investment. The type of neighborhoods and areas where program resources are being applied include industrial/manufacturing, commercial corridors, residential, downtowns and waterfronts.

Key program outcomes include: community revitalization and implementation strategies for impacted neighborhoods or areas; site specific redevelopment plans for strategic sites; shovel ready or near shovel ready sites; public and private investment priorities; and marketing to solicit developer interest. By identifying and establishing re-use and development plans for strategic sites and investment priorities, areas can be revitalized more quickly.

Program grants support a variety of community revitalization activities including: community visioning and other public participation processes; existing conditions analysis; strategic site identification; economic and market studies; investigations to assess site contamination and environmental conditions; site-specific redevelopment plans; environmental impact assessments and statements; marketing to attract developer interest; local law changes; development standards and design guidelines; and other actions to spur investment in, clean-up of and

redevelopment of brownfields and other underutilized sites. Program information is available at: http://nyswaterfronts.com/BOA_package.asp

The **Wyandanch Hamlet Downtown Revitalization Plan** is a project funded by the NYS Department of State's Brownfield Opportunity Areas (BOA) Program. The Town's progressive vision and corresponding plan calls for a transformative transit-oriented designed mixed-use development. The Wyandanch revitalization area encompasses 105 acres largely situated along Straight Path, the primary commercial corridor within the hamlet, and the most economically distressed on Long Island. Centered in an area around the Long Island Railroad train station, a primary objective is to redevelop brownfields and other vacant sites into a transit-oriented sustainable development that includes a mix of commercial, retail and cultural uses, needed jobs, and affordable housing.

Significant progress has been made towards implementation. This progress is principally due to commitments obtained from state and federal agencies brought together at an interagency meeting, organized and conducted by the Department of State for the exclusive purpose of advancing the priority projects identified in the Downtown Revitalization Plan. Through these commitments, the Town has leveraged close to $25 million in local, State and federal resources to advance their revitalization strategy and key projects for the downtown. In addition, the Town has invested close to $25 million for land acquisition, sewer installation and street improvements.

With the assistance of the NYS Environmental Facilities Corporation, the Empire State Development Corporation, and other State and federal funding sources, the Town began construction last fall of a sewer extension into the downtown area that will enable new commercial and residential development. The Town is also working with the Federal Transit Administration and the Metropolitan Transportation Administration to design an intermodal facility at the Long Island Railroad station to enable structured parking, a public plaza, and redevelopment of surface parking lots. With NYS Department of Transportation funding, the Town will improve the appearance of Straight Path to calm traffic, benefit pedestrians, and enhance the street's physical appearance. With NYS Department of State BOA Program funds, the Town is formulating a form-based code, development design standards and guidelines, developing and evaluating development alternatives for strategic sites, and will be issuing a request for development proposals to complete a phase one redevelopment that will include public and private components. Also moving ahead with assistance from the NYS Office of Parks, Recreation and Historic Preservation are plans for park improvements and a trail plan to connect the community to Belmont Lake State Park. These investments are making the area ripe for private sector investment to redevelop the area consistent with the Town's articulated vision and strategy.

For other examples of how the BOA approach is being used by communities to attract new uses and businesses should connect to: http://nyswaterfronts.com/grantopps_BOA.asp

Local Government Training

The Department of State has been at the center of New York State's efforts to support thousands of local officials who make day-to-day decisions affecting communities and their residents. These decisions have long-term impacts on the development, operation and opportunities available to the community. Members of planning boards, zoning boards of appeals, and local governing boards are charged with responsibilities and duties that demand knowledge of state and local law; procedural requirements for conducting meetings and hearings and keeping records; land use planning; environmental issues; economic development; grant and project management; municipal infrastructure; and skills related to their specific positions, such as code enforcement and fire safety.

Originating in its statutory responsibilities under Executive Law Section 152 to "to advise and assist municipalities in the performance of their planning and development activities" and "to encourage expansion and improvement of training made available to municipal officials, in cooperation with municipalities and the organizations representing them," DOS has steadily evolved a multifaceted educational program that brings cutting edge planning, zoning, project development and management, compliance, and public safety information to local governments across the State to help them make effective, defensible, and cost effective decisions.

Board members educated in meeting and hearing procedure run more efficient meetings. Members of planning boards, zoning boards of appeals, and local governing boards, without professional or educational backgrounds in planning, benefit from the training the Department of State provides. Their knowledge of planning practices and innovative land use techniques results in better local decisions, a better regional perception of the value of land use and design regulation, and ultimately more viable and sustainable communities with stronger local economies and sound protection of sensitive environmental areas.

Smart Growth

Smart Growth is sensible, planned, efficient growth that integrates economic development and job creation with community quality-of-life by preserving and enhancing the built and natural environments and promoting social equity. Smart Growth encourages growth in developed areas with existing infrastructure to sustain it, particularly municipal centers, downtowns, "Main Streets", urban cores, hamlets,

environmental justice areas, Brownfield Opportunity Areas, historic districts and older first-tier suburbs.

In August 2010, New York State enacted the Smart Growth Public Infrastructure Policy Act – which requires State agencies to review publicly-funded infrastructure projects through a Smart Growth lens. The position of Smart Growth Director was created at DOS to coordinate Smart Growth efforts among state agencies. DOS also advances Smart Growth at the regional and local level, building on its long-standing relationships with local governments across New York State on land use matters through its education, technical assistance and planning grant programs. Funding is available to municipalities through the Environmental Protection Fund Smart Growth Program to advance local and regional growth initiatives. DOS has provided awards for Smart Growth planning in the Lower Hudson Valley and DEC has provided awards for Smart Growth Planning in the Adirondacks and Catskills.

State Education Department

The Office of Adult Career and Continuing Education Services (ACCES) is comprised of three primary areas: Vocational Rehabilitation (including Independent Living Administration), Adult Education, (including General Educational Development (GED) Testing), and Bureau of Proprietary School Supervision. With our unique focus on the education and employment needs of New York State's adult citizens, these areas share several vital interests and goals.

ACCES-VR

Adult Career and Continuing Education Services-Vocational Rehabilitation (ACCES-VR) offers access to a full range of employment and independent living services that may be needed by persons with disabilities through their lives. Through its administration of vocational rehabilitation and independent living programs, VR coordinates policy and services relating to:

- transition services for students with disabilities from school to adult services;
- vocational rehabilitation services for working age individuals with disabilities;
- independent living services for people with disabilities of all ages; and
- business services for hiring a qualified diverse workforce.

The seeds of adult success are sown during the school years. The system established by the Board of Regents to administer education and vocational services for people with disabilities fosters this and has evolved into a national model, designed to focus on our customers and produce results.

Transition Services

ACCES-VR works with students, families and school districts to coordinate appropriate services for students with disabilities who are leaving secondary education and entering adult vocational rehabilitation and related services. These efforts are crucial to enable students to achieve maximum success in post-school activities consisting of integrated employment (including supported employment), post-secondary education, independent living, and community participation.

Vocational Rehabilitation

ACCES-VR starts with the presumption that all persons with disabilities can benefit from vocational rehabilitation services and should have opportunities to work in jobs integrated within their communities. ACCES-VR Counselors guide individuals through service programs they need to reach their employment goals.

ACCES–VR has had a long standing partnership with businesses. However, these partnerships were focused primarily on a single job placement model which was matching one person to one job. Over the past four years ACCES-VR has developed a relationship model that embraces long-term relationships with businesses and results in multiple employment outcomes as well as internships, mentoring experiences, and job retention. Through a series of national, state and local initiatives ACCES-VR has begun working directly with businesses and is now working to identify and train individuals to meet employers' skilled labor needs. Examples of these partnerships include:

- A collaboration with the Council on State Administrators for Vocational Rehabilitation's (CSAVR) National Employment Team (THE NET), ACCES-VR has partnered with CVS Caremark, a new distribution center scheduled to open in Elmira, New York in 2012. A total of 600 jobs are projected. Early dialogue with CVS Caremark prior to its opening allowed ACCES-VR to meet the CVS Human Resource Team and exchange information on corpo rate values and workforce expectations as well as ACCES-VR services including on-the-job training and work try outs, and Department of Labor business incentives, federal and state tax credits. These efforts will result in VR consumers being better prepared to meet the business needs of employers and enhance the individual's potential for being hired by CVS. This initiative was also a collaboration across state agencies Commission for the Blind and Visually Handicapped (CBVH), Department of Labor (DOL), and Pennsylvania VR.

- Based on a request from Walgreens retail in the summer of 2010, ACCES-VR along with the Commission for the Blind and Visually Handicapped (CBVH) became part of Walgreens' Retail Employment Disabilities Initiative (REDI). To implement this initiative, ACCES screened qualified candidates for training to be Associates at a Walgreens store and identified and worked with a community rehabilitation provider (CRP),to provide support to the consumers. The pilot began with three trainees and a trainer on site. Upon completion of the pilot, two of the three trainees were hired by Walgreens. ACCES-VR's demonstrated ability for open communication, reliability, and timely feedback has resulted in the continuation of this initiative. Walgreens has expanded this project to six stores (four downstate and two upstate) Walgreens is preparing to launch the REDI program nationally in 2012. NYS ACCES-VR is playing a strong role in development of the REDI project and there is great potential for impact on employment opportunities for individuals with disabilities, ACCES-VR providers and for communities across NYS, as the program grows.

- Recently ACCES-VR initiated business contact with NYS's American Red Cross (ARC) Blood Services Unit which offers a variety of jobs including Donor Specialist, Call Center Operator, and Collection Phlebotomist. These positions require a minimum of a high school diploma and exist in offices across New York State from Buffalo to Poughkeepsie. This business relationship has resulted in immediate employment opportunities for ACCES-VR consumers with seven hires.
- ACCES-VR has developed a strong business partnership with Rosicki, Rosicki and Associates (RR&A) a leading mortgage banking law firm in New York. RR&A has hired over 65 individuals for positions as: attorney, paralegal, records clerk, billing/accounting, IT, and various clerical positions. ACCES-VR also works closely with RR&A staff to retain employees who need VR services in order to remain in their job. RR&A has participated in various projects including providing summer paid internship opportunities.

The above initiatives briefly describes business partnerships with Fortune 500 corporations and large business initiatives, however, most of ACCES-VR's economic development activities take place at a local level with medium, small and micro-businesses. ACCES-VR's staff works within their local communities and with partners such as NYSDOL's One Stops and provider agencies, to connect and educate employers about financial supports (including access to tax credits and/or deductions available for hiring or accommodating people with disabilities), available free training and consulting on workplace accommodations and assistive technology for individuals with disabilities

Independent Living Services

Independent Living Centers (ILCs) provide an array of services that assist New Yorkers with disabilities to live integrated and self-directed lives. ILCs assist with living, learning, earning and removing barriers to full participation in the local community and beyond. ACCES-VR administers base funding for 39 Independent Living Centers (ILCS) throughout the state.

ILCs are private, not-for-profit organizations, governed by a majority of people with disabilities and staffed primarily by people with disabilities. ILCs are resource centers that **do not** run residential programs or operate places where people live. The philosophy of independent living is to maximize opportunities for choices and growth through peer driven supports and self-help. ILCs are the voice of people with disabilities and the disability rights movement in local communities across New York State.

Business Services

Business Services offer financial incentives and tax credits offered to employers, free employment services, pre-screened job-ready applicants, and consistent follow-up to ensure satisfaction. We average 13,000 workers employed per year from entry level to professional and managerial.

Adult Education

Adult Education Programs and Policy (AEPP) Team promotes, develops, and supports adult education programs with the goal of providing adult students with successful pathways and transitions to post secondary education, apprenticeship training, employment opportunities, and the workforce. The Adult Education Programs and Policy Team oversee the following programs:

Adult Literacy Programs

Adult literacy programs assist adults through a statewide community and volunteer based system of 61 programs that offer individual and group instruction to become literate and obtain the knowledge and skills necessary for employment and self-sufficiency; who are parents/guardians to obtain the educational skills necessary to become full partners in the educational development of their children; and to obtain a secondary school credential.

Adult Secondary Education (ASE)

Instruction for students reading at/above the ninth-grade level or within the National Reporting System's Level 5 and 6. Academic performance is measured by the number of Tests of General Education Development (GED) attained.

English Speakers of Other Languages (ESOL)

Instruction in listening, reading, oral and written communication, computer skills, and life skills for individuals with limited English proficiency.

Family Literacy

Must provide instructional services that are of sufficient intensity in terms of hours and of sufficient duration to make sustainable changes in a family. Family literacy integrates the following four components:

- Adult literacy training for parents that leads to economic self-sufficiency;
- Interactive literacy activities between parents/guardians and their children;
- Training for parents regarding how to be the primary teacher for their children and full partners in the education of their children; and
- Age-appropriate education to prepare children for success in school and life experiences

Adult program participants must meet the eligibility requirements for adult literacy program funding and must be the parent/guardian of child(ren) birth to under age of 16 years. Both parent/guardian and child(ren) must fully participate in the family literacy program. Family Literacy Programs have a strong adult literacy component coordinated with the other required components.

English Language/Civics Education (EL/Civics)

Provide an integrated program of services that incorporate English literacy and civics education. Civics education is defined by the United States Department of Education (USDOE) as an educational program that emphasized contextualized instruction on the rights and responsibilities of citizenship, naturalization procedures, civic participation, and U.S. history and government. Academic performance is measured by the BEST Plus and the U.S. Citizenship Test as well as the demonstration to navigate governmental, educational and workplace systems.

General Educational Development (GED) Testing

The New York State Education Department is the sole administrator of the GED Test in New York State as recognized by the American Council on Education (ACE) and the GED Testing Service (GEDTS). GED testing is administered, managed and overseen by the Adult Education Office's GED Testing Unit within ACCES. Passing the GED is the primary method to achieve the Regents High School Equivalency Diploma.

Apprenticeship

Apprenticeship is the process of learning a skilled trade through training on the job (practical experience) plus acquiring the related technical knowledge, usually in a classroom. Training is given under the guidance of experienced instructors.

Operation Recognition

Amended Rules Regarding Operation Recognition and Expansion of the Program to Veterans of the Vietnam War.

Bureau of Proprietary School Supervision (BPSS)

The Bureau of Proprietary School Supervision (BPSS) oversees and monitors non-degree granting proprietary schools in New York State. The Bureau is responsible for ensuring that the overall educational quality of the programs offered will provide students with the necessary skills to secure meaningful employment and for protecting students' financial interests while attending proprietary schools. BPSS licenses/registers proprietary schools and credentials proprietary school teachers to ensure that appropriate standards are met. The Bureau investigates student complaints and conducts comprehensive investigations of schools to assure compliance with Education Law and Commissioner's Regulations. Proprietary schools under BPSS jurisdiction include trade and business schools, computer training facilities, and for-profit English as a Second Language (ESL) schools.

State University of New York

The State University of New York (SUNY) is focusing the efforts of its 64 campuses in all 10 regions on strengthening our academic excellence, ensuring access and completion and economic revitalization and better quality of life for all of New York. Partnership and collaboration with businesses, civic leaders, local governments and all aspects of the education pipeline are the hallmark of SUNY's work across the state. The following are some of the best examples from all the campus sectors.

The New York State Small Business Development Center

The New York State Small Business Development Center (NYS SBDC) is the premier business assistance organization in New York State as it provides expert management and technical assistance to start-up and existing businesses across the state. The NYS SBDC is administered by State University of New York and funded by the U.S. Small Business Administration, the State of New York, and host campuses.

Through 24 campus-based regional centers, and 29 outreach offices, the NYS SBDC applies the resources of university, private sector, and government to solve business problems and foster entrepreneurship. The SBDC emphasizes counseling and training services to women, veterans, people with special needs, and minority clients.

The SBDC also focuses on projects that advance the job development, investment, and economic growth priorities of New York State, with an emphasis on manufacturers, exporters and technology-oriented firms.

Full-time professional SBDC business advisors, with the knowledge and experience to provide entrepreneurs with expert counseling and training, staff each SBDC regional center. These advisors undergo rigorous professional certification to keep their business knowledge up-to-the-minute and their counseling skills sharp.

Their skills are augmented by the NYS SBDC Research Network - one of the most advanced business information resources in the country. The Research Network, located in Albany, New York, provides New York SBDC business advisors with the latest economic, demographic, regulatory, and other data that can have an impact on small business success.

The SBDC works closely with other New York State economic development agencies, faculty and students at host institutions, and representatives from private industry and business to focus resources on assisting small businesses and entrepreneurs.

The College of Nanoscale Science and Engineering of the University at Albany

The College of Nanoscale Science and Engineering of the University at Albany (CNSE) is extending its reach across New York through partnerships with SUNY IT in Utica-Rome and

Lockheed Martin in Syracuse, and the creation of CNSE's Smart System Technology and Commercialization Center of Excellence in Canandaigua. Investments in CNSE have helped to create and retain more than 12,500 nanotechnology jobs statewide since 2001, which pump more than $1 billion in salaries alone each year into the New York state economy.

Stony Brook's Center of Excellence in Wireless & Information Technology

Stony Brook's Center of Excellence in Wireless & Information Technology has obtained more than 12 patents in the last two years. Now in its 6th year, CEWIT partners include some of the world's best known and most sophisticated giants of wireless and information technology, including IBM and Cisco Systems. CEWIT has established New York as a national leader in these technologies.

Binghamton University's Small Scale System Integration and Packaging Center

The Small Scale Systems Integration and Packaging Center at Binghamton University advances research of these electronics technologies and has generated more than $750 million in economic impact for New York since 1996. S3IP will work in partnership with the Binghamton Center for Emerging Technologies, and Endicott Interconnect to leverage the collaborative capabilities of the region and attract additional funding for further research.

SUNY Fredonia's Technology Incubator

SUNY Fredonia's Technology Incubator leverages the strengths of New York's State University system and the businesses and communities of Western New York. The SUNY Fredonia Technology Incubator promotes economic growth in the Western Southern Tier of New York by supporting entrepreneurship and the development of new, innovative, technology-based companies into successful business ventures. The incubator, located in the commercial waterfront district of Dunkirk, New York, provides new technology-based firms with a connection to the resources they need to grow and sustain long-term success. This takes place in

an environment that fosters technology development, commercialization and successful business management practices. To accomplish this, the incubator makes available a variety of business and education services, mentoring, professional consulting, and access to capital and work-ready space. The incubator combines these resources and those of SUNY Fredonia, state and local government, area businesses, and the community in order to graduate businesses that are financially viable and freestanding. Clients include, Academy Geeks, Advanced Conservation, Technologies, LLC, Apex Wind Energy, Digedition, Dunkirk Bio-Electric, Haledyne, LLC, KUTLO-NITT/GATEWAY PROJECT, SellingHive, TexTivia.com, and Zenhire.

Community College Clean Energy Technology Training Consortium

Ulster, Dutchess, Sullivan, Orange, Rockland, and Westchester Community Colleges have collaborated to create a Clean Energy Technology Training Consortium, helping emerging clean energy and energy efficiency businesses and service professionals to gain the technical and business development skills needed in the rapidly developing market for green industries. More than 1,500 individuals have already received training.

Central New York Biotechnology Research Center

Upstate Medical University and the College of Environmental Science and Forestry have collaborated to create the Central New York Biotechnology Research Center (BRC). The $20 million, 50,000-square-foot facility will house 12 wet lab/office modules with room for up to 100 scientists and entrepreneurs. The 50,000 square foot facility, expected to open in the spring of 2012, is located within walking distance of Upstate and ESF as well as a private business incubator and the Syracuse Center of Excellence in Technology in Energy and Environmental Systems. (The BRC also includes Syracuse University, LeMoyne College and private interests. Construction of the BRC was funded by the State University Construction Fund and other state monies.)

Clinton Community College and Novas Bus

The campus partnered with NYS and the local Plattsburgh development entities to play a key role in attracting a new manufacturing facility – Novas Bus. By working closely with the area Workforce Investment Board, other training organizations and the firm, Clinton provides new employees with customized training specifically geared to Nova and the new plant, including training in industrial technology, blueprint reading, management skills, and Nova's corporate culture.

FIT's Internship Center Program

FIT's Internship Center (IC) program, is a cluster of for-college-credit experiential-education courses that take place in business/industry and classroom settings. This internship program has more than 4,000 company sponsors, and over 5,200 active internship positions. Specifically, the IC's is a two-pronged academic program composed of (1) an on-site professional/work experience supervised by an organization executive and (2) a classroom experience. Considerable care is taken to assure that the internship experience is aligned with the student's major area of study and her/his career interests and with the operational needs of the sponsor company.

These experiential-education opportunities are managed by the College's Internship Center, which is a State University of New York program in full compliance with the Fair Labor Standards Act. (About one-third of its internship placements lead directly to offers of full-time employment.

SUNY Morrisville's Nelson Farms

SUNY Morrisville's Nelson Farms is a unique combination of business incubator, food product processing facility and hands-on academic classroom. Structured as an L.L.C. of the Morrisville Auxiliary Corp., Nelson Farms assists entrepreneurs including Morrisville students and existing private firms with product development, small-scale food processing, marketing and sales and distribution. About 100 Morrisville students, from several disciplines, participate each year in various aspects of Nelson Farms' operations.

Tompkins Cortland Community College's TC3 Biz

TC3.Biz (pronounced TC3 dot biz) is the campus' business development/contract training program.

TC3.biz provided customized training programs for 48 organizations in Tompkins, Cortland and Tioga Counties in 2010-11. Approximately 3000 individuals gained needed skills through these programs. In October 2010, TC3.biz was selected as the James C. Hall Exemplary Program Award winner in the business-industry linkage category for its pre-hire math and reading testing program it provides for Borg Warner Automotive. This specific program was developed in 1996, and has continued to evolve to meet the company's changing needs.

TC3.biz is also a partner in the SUNY GREENS NY, a NYSERDA funded project, and is developing and offering programs in clean energy technology.

TC3.biz has been providing lean office training to local government in the Central NY and Southern Tier regions as well as its own college departments, and is seeking federal funding for a Center for Manufacturing and Governmental Excellence that will allow them to continue their work in this important area.

Department of Taxation and Finance

New York State Department of Taxation and Finance is responsible for two major functions: the administration of the state's tax laws, including the administration of related local taxes, and the management of the State Treasury. Each year the Department timely and accurately administers 42 State and local taxes and fees, publishes tax forms, processes over 25 million tax returns, and collects, accounts for, and distributes over $95.8 billion in State and local revenue. Additionally, through the Office of Real Property Services (ORPS), the Department is responsible for overseeing the local administration of real property assessments and establishing a multitude of rates and ratios that allow for the equitable apportionment of local property taxes and state aid between and within municipalities throughout the state. The Department continually promotes and facilitates voluntary compliance. The majority of revenue is collected through taxpayer voluntary compliance. When it is necessary to determine liability and collect tax, the Department uses the most efficient and fair means possible. The Department also administers the collection of local sales tax, the personal income taxes for New York City and Yonkers, the Metropolitan Transportation Authority surcharge on business taxes and the New York City Cigarette Tax. Additionally, the Department administers the collection activity for delinquent child support payments. New York State offers a multitude of tax credits designed to promote economic development, create jobs, stimulate capital investment, and encourage revitalization of distressed areas. In addition, the State offers numerous sales tax incentives in the form of credits or exemptions.

Generally, these benefits are available to businesses regardless of their structure. While many businesses are incorporated and pay tax under the corporate franchise tax (Article 9-A of the Tax Law), a significant number of businesses in New York are unincorporated and pay tax at the individual level (LLCs, partnerships, S corporations, sole proprietors). Thus, while the unincorporated entity earns the tax benefit, it is ultimately realized by its members, partners, or shareholders on their individual income tax returns.

The Tax Department produces two publications, Pub-112 and Pub-99-B, which provide extensive information about each tax credit available to businesses and individuals, respectively. These are available on the Department's Web site at: www.tax.ny.gov/pubs_and_bulls/publications/pub_numeric_list.htm

In addition, the Department, in conjunction with the Division of the Budget, produces an annual report on tax expenditures that also contains detail on tax credits, as well as a full listing of every sales tax incentive:

www.publications.budget.ny.gov/eBudget1112/fy1112ter/TaxExpenditure11-12.pdf

Prominent New York State Tax Credits

Excelsior Jobs Program Credits

The Excelsior Jobs Program provides job creation and investment incentives to firms in such targeted industries as biotechnology, pharmaceutical, high-tech, clean-technology, green technology, financial services, agriculture, and manufacturing. Firms in these industries that create and maintain new jobs or make significant financial investment are eligible to apply for up to four new tax credits. The program encourages businesses to expand in and relocate to New York while maintaining strict accountability standards to guarantee that businesses deliver on job and investment commitments.

Companies must apply to and receive approval from the Empire State Development Corporation (ESDC) to participate in the program. Once accepted, companies can claim four fully refundable credits for a 10 year period:

- The Excelsior Jobs Tax Credit: A credit of 6.85 percent of wages per new job to cover a portion of the associated payroll cost.
- The Excelsior Investment Tax Credit: Valued at 2 percent of qualified investments.
- The Excelsior Research and Development Tax Credit: A credit of 50 percent of the Federal research and development credit up to 3 percent of research expenditures in New York State.
- The Excelsior Real Property Tax Credit: Available to firms locating in certain distressed areas and to firms in targeted industries that meet higher employment and investment thresholds (i.e., regionally significant projects).

Investment Tax Credit

Businesses engaged in manufacturing, agriculture, or financial services, or operating qualified film production facilities may claim an investment tax credit (ITC) equal to 5 percent of the first $350 million of tangible property, including buildings and structural components, placed in service in New York State, and 4 percent for costs in excess of that amount. In addition, taxpayers that increase employment may be eligible for an employment incentive credit (EIC) equal to a variable percentage of the ITC base, depending on the level of employment increase. The EIC rate ranges from 1.5 percent to 2.5 percent and is available for two years after the ITC is claimed.

Taxpayers engaged in research and development may choose to claim the ITC on R&D property at a 9 percent rate, but then are not allowed to claim the EIC. Financial services firms must also pass one of three employment tests as a prerequisite to claiming credit.

The ITC is refundable to new businesses during their first four years of operation in New York.

Empire State Film Production, Post-Production, and Commercial Production Credits

Taxpayers meeting a certain threshold of film and television production activity in New York State may be eligible for the Empire State film production credit. The credit equals 30 percent of qualified production costs and is fully refundable over one, two, or three years, depending upon the size of the credit.

Companies ineligible for the film credit may claim a 10 percent credit for qualified post-production work in New York State. This credit is fully refundable over two years.

These credits are administered by the Governor's Office of Motion Picture and Television Development (MP/TV). Taxpayers must apply and be approved in order to claim credit. MP/TV determines the final amount of credit and awards a tax credit certificate to approved participants entitling them to the credit. MP/TV is authorized to issue $413 million annually in film credit certificates, and $7 million annually in post-production credit certificates through 2014.

MP/TV is also authorized to issue $7 million in credit to taxpayers producing commercials in New York. $3 million is devoted to a 20 percent credit for production costs in excess of the average costs for the previous three years. $3 million is for a 5 percent credit for costs in excess of $500,000 for work within the Metropolitan Commuter Transportation District (MCTD). The remaining $1 million is earmarked for 5 percent of costs in excess of $200,000 for work done outside the MCTD.

Brownfields Tax Credits

Three fully refundable tax credits are available to taxpayers who remediate a site under the Brownfield Cleanup Program. The brownfield redevelopment tax credit consists of three credit components relating to costs associated with: site preparation; tangible property; and on-site groundwater remediation. The rates of credit for each component vary depending upon the location, intended use, and level of cleanup achieved. Also, the tangible property component is capped at the lesser of:

- $35 million or three times the site preparation and groundwater component costs; or
- $45 million or six times the site preparation and groundwater component costs if the site is to be used for manufacturing.

The remediated brownfield credit for real property taxes equals 25 percent of the product of the taxpayer's employment factor (a percentage based on the number

of persons employed by the taxpayer on a qualified site) and the taxpayer's eligible real property taxes. If the site is located in an En-Zone the credit increases to 100 percent. There is a credit limitation equal to the product of the number of full time employees at the qualified site multiplied by $10,000.

The environmental remediation insurance credit is allowed for premiums paid for environmental remediation insurance up to the lesser of $30,000 or 50 percent of the cost of the premiums.

Before claiming credit, taxpayers must receive a Certificate of Completion from the Department of Environmental Conservation indicating that they have satisfactorily satisfied the terms and standards of a brownfield cleanup agreement executed by both parties.

Economic Transformation and Facility Redevelopment Program

This new tax incentive program is designed to mitigate the economic consequences in communities where correctional facilities, and facilities operated by the Office of Children and Family Services, are closed through the period ending March 31, 2012. The program offers several tax benefits to redevelop closed facilities and attract new businesses to the surrounding areas. To participate, a business must create and maintain at least 5 net new jobs in an economic transformation area (ETA) and meet a benefit-cost ratio of 10:1. Businesses must apply to ESDC for certification and if approved will receive a 5-year benefit period.

The Economic Transformation and Facility Redevelopment Program tax credit is a fully refundable credit consisting of four components:

- Jobs tax credit component - 6.85 percent of the gross wages of each net new job created;
- Investment tax credit (ITC) component - 10 percent of the cost of investments at a closed facility, with a facility-based cap of $8 million; 6 percent of the cost of investments elsewhere in an ETA, with a cap of $4 million per entity;
- Job training credit component - 50 percent of training expenses for employees displaced by a facility closure, up to $4,000 per employee per year; and
- Real property tax credit component (RPTC) - 50 percent of real property taxes for projects located entirely within the grounds of a closed facility, declining by 10 percent a year; 25 percent of real property taxes for projects elsewhere in an ETA, declining by 5 percent a year.

The program also allows a sales and use tax refund for tax paid on tangible personal property that is used in constructing, expanding or rehabilitating industrial or commercial real property located in an ETA.

Finally, localities within an ETA may elect to provide an exemption from local property taxes for program participants. The exemption is equal to 50 percent of the increase in assessed value attributable to the program investment in the first year, if the investment occurs at the closed facility. This exemption is phased out in increments of 10 percent over 5 years. Investments in properties other than the facility itself but within the ETA are eligible for exemptions of 25 percent, phased out in increments of 5 percent over 5 years.

Other Tax Credits

New York spends in excess of $1.5 billion on business incentive tax credits annually. Of this total, New York is committed to spending nearly $425 million on the expired Empire Zones Program because taxpayers are allowed to utilize the remainder of their benefit periods and were granted additional time to place property in service that qualifies for the Empire Zone ITC. No new entrants to the program are permitted, however.

Thus, spending on credits still available totals over $1 billion annually. The credits discussed above account for approximately 87 percent of this amount. Some of the other tax credits New York offers are listed below:

Credit for investment in certified capital companies (CAPCO credit)	Credit for purchase of an automated external defibrillator	Qualified emerging technology company (QETC) employment credit
Low-income housing credit	Green buildings tax credit	QETC capital credit
Credit for rehabilitation of historic properties	Special additional mortgage recording tax credit	QETC facilities, operations, and training credit
Credit for employment of persons with disabilities	Credit for servicing SONYMA mortgages	Land conservation easement tax credit
Security training tax credit	Clean heating fuel credit	Farmers' school tax credit
Biofuel production tax credit		

Sales Tax Benefits

New York State offers sales tax exemptions for purchases of production machinery and equipment, research and development property, and fuels used in manufacturing and R&D. New York State also provides targeted sales tax exemptions for:

- farming;
- natural gas production;
- Internet data centers;
- radio and television broadcasting;
- film production;

- telecommunications and Internet service providers;
- computer software developers;
- bus companies;
- water taxis;
- commercial aircraft operators;
- commercial fishermen;
- and others.

Additional exemptions may be available through local Industrial Development Agencies (IDAs). As noted above, a full listing of sales tax exemptions is available in the annual Tax Expenditure Report.

Major Property Tax Exemption Programs

Various targeted property tax exemption programs are offered to offset the burden of property taxes paid by businesses. Among the largest programs in New York, outside of New York City, are several that are provided under the Real Property Tax Law (RPTL), as outlined below. They are described in more detail in the following publication:

New York State Assessor's Manual: Exemption Administration (Volume 4, Part II),

(see: www.orps.state.ny.us/assessor/manuals/vol4/part2/index.htm).

Business Investment Exemption (RPTL 485-b)

The Business Investment Exemption is adopted at the option of local taxing units and generally applies to most commercial and industrial uses (other than housing), although local governments may decide to exclude certain uses. It is granted as a 50 percent reduction in any increased assessment that would result from the real estate improvements, phased out over a 10-year period.

Mixed Use Commercial/Residential Exemption (RPTL 485-a)

Property on which a combination of residential and commercial construction work is performed, to create a building used for mixed residential and commercial purposes, are partially exempt from taxation, provided that the local governments in question participate in this program. In the years following construction, 100 percent of the improvement value is exempt, and the exemption is phased out over a 12 year period.

Municipal IDA Exemption (RPTL 412-a)

Industrial Development Agencies (IDAs) are a powerful tool for extending real property tax benefits (as well as other tax benefits) to qualifying private business projects. In essence, the IDA is able to use its wholly tax exempt status for the

benefit of the private business, which uses the IDA-owned property for commercial/industrial purposes. The private company generally enters into an agreement with the IDA to make payments in lieu of taxes (PILOTs) to affected local governments in order to help fund local service costs.

Empire Zone Exemption (RPTL 485-e)

In addition to providing refundable property tax credits under the State's corporate income and personal income taxes, the Empire Zone Program provides property tax exemptions for qualifying Empire Zone Enterprises. Local governments have the option of deciding whether they wish to participate in this exemption program. The program exempts 100 percent of the improvement's contributory value in the initial years, and it is phased out over a ten-year period. Empire Zone exemptions are no longer available to new applicants after June 30th 2010, but existing exemptions continue until their scheduled expiration dates.

Department of Transportation

Investment in transportation plays a central role in economic development affecting critical catalysts like job creation, access to markets and community quality of life. To that end, the New York State Department of Transportation (NYSDOT) invests more than $8 billion annually in transportation capital and direct assistance to local municipalities. These investments are made in highway and bridge, aviation, rail, transit and port infrastructure, facilities and services. Private sector job growth is a key outcome of NYSDOT's investment in transportation. In addition, NYSDOT plays a major role in providing technical assistance to local municipalities as well as coordinating and developing comprehensive transportation policy for the State to leverage the maximum potential of State and local infrastructure investments.

From building bikeways and installing streetscaping improvements that help revitalize downtowns, to providing funding assistance to purchase buses and operate transit systems that bring people to jobs, to building new highway access ramps that facilitate goods movements to growth areas, the Department works closely with communities to assure that our transportation system meets the needs of the people of New York and promotes economic sustainability and livability.

In New York State, transportation planning and decision-making are driven by the Federal planning process, the framework mandated for states receiving Federal transportation funds. NYSDOT has overall responsibility for the coordinated and balanced statewide transportation planning process. This is carried out in collaboration with the State's 13 Metropolitan Planning Organizations (MPOs) in urban areas with populations of more than 50,000, and the various local officials with responsibility for transportation in rural or non-urbanized areas with populations of less than 50,000. NYSDOT works closely with the State's 13 MPOs, local officials, transportation providers and a wide array of stakeholders in a collaborative planning process to identify and prioritize transportation needs and plan for how resources will be allocated. This involves comprehensive coordination with our partner transportation agencies, including transit, and full and open coordination with our public and private stakeholders.

NYSDOT strives to promote safety and environmentally-sound ways to move people and goods, while balancing the need to remain flexible and respond to the changing needs and times to keep New York State economically competitive.

The following is a summary of major State and local capital programs and direct assistance programs available to local municipalities:

State Transit Programs

Omnibus Program
Funding: SFY 2011-12 - $18.5 million

This program provides 50% of the non-federal share of federally aided transit capital projects for Downstate suburban and Upstate public transportation systems. Funds are apportioned based on the receipt of federal transit capital funding. Grants are not to exceed 10% of total project costs and local project sponsors must provide remaining non-federal share.

Capital District, CDTA BusPlus, Albany and Schenectady Counties

The Capital District Transportation Authority (CDTA) launched a more frequent and select bus service model along this major route between Schenectady and Albany that constitutes 25% of their service. Funded through FTA Section 5307 & 5309, State and local matching funds and NYSERDA funding, this faster and limited stop service will attract new riders and improve traffic flow to encourage business development at the major stops.

Transit State Dedicated Fund (Transit SDF)
Funding: SFY 2011-12 - $18.5 million

This program provides 100% State funding to address transit capital needs for Downstate suburban and Upstate public transportation systems that exceed available and expected federal and local funding. Funds are apportioned by NYSDOT based on an inventory of system-wide needs. Activities must be eligible for assistance under the federal transportation programs.

Continuation of Bus Service, Oneida and Onondaga Counties

The Transit State Dedicated Fund was used to facilitate the transfer/continuation of service in Oneida County to the Central New York Regional Transportation Authority in Syracuse. The Utica Transit Authority (UTA) was on the verge of ceasing transit operations in the City of Utica due to years of insufficient support. A detailed study of alternatives concluded that consolidating both the adjacent transportation authority district in Onondaga County with Oneida County was the only viable way to continue local transit service. State funding from this program played an important role in easing the transition and contributing to the rehabilitation of the fleet while preserving ADA accessibility throughout the system.

Statewide Mass Transportation Operating Assistance (STOA) Funding: SFY 2011-12 - $4.2 billion

This program provides funding for public transportation operating assistance to both public and publically sponsored private operators. It is apportioned directly to transit systems through a specific amount in the State budget and through a service and usage formula for smaller systems. Pursuant to Section 18-b of the Transportation Law, some of these funds require a local match.

Federal Transit Programs *

* Project proposals must be developed through the planning process managed by the local Metropolitan Planning Council in urban areas and through consultation with NYSDOT in rural areas.

New Starts Program
Funding: FFY 2010 - $400 million

This program provides the federal share of new fixed-guideway projects, either new systems or extensions to existing systems. Projects become candidates by completing the appropriate steps in the major capital investment planning and project development process. New York has two active New Start funded projects: MTA's East Side Access (ESA) and Second Avenue Subway (SAS). Funds are allocated directly to public transportation system. The Federal share may be up to 80%.

Fixed Guideway Modernization Program
Funding: FFY 2010 - $461 million

This program provides funds for the modernization and rehabilitation of fixed-guideway systems and/or segments that are at least seven years old. New York State has two public transportation systems that are eligible to receive funding under this program: MTA and NFTA in Buffalo. Funds are allocated directly to the public transportation system. Federal share is 80%.

Bus/Bus Facilities Program
Funding: FFY 2010 - $95 million

Provides funding for the purchase of buses and bus-related equipment including the construction, rehabilitation and replacement of maintenance and other facilities. Funds are earmarked by Congress during the appropriation process and are allocated directly to public transportation system. Federal share is 80%.

Non-urbanized Area Formula Program
Funding: FFY 2010 - $18 million

This program provides capital, operating and technical assistance for public transportation in rural areas of less than 50,000 in population. Funding is apportioned to the State based on the non-urbanized population (80 percent) of the State and land area (20 percent). The program is administered by NYSDOT on behalf of the Federal Transit Administration (FTA). Federal share for capital activities is 80%; for operating projects it is 50%.

North Country Express Commuter Route, Plattsburgh, Clinton County

NYSDOT is working with the Plattsburgh area businesses and intercity carriers to craft a commuter route that brings workers into the area from the northern part of the state. This multi- sourced funding service provides an increased labor pool to the area while also providing lifeline services to persons with limited mobility.

Urbanized Area Formula Program
Funding: FFY 2010 - $677 million

This program provides capital assistance for public transportation in urbanized areas of more than 50,000 in population. Apportionment is made directly to the public transportation systems based on multi-tiered formula that includes population, service and operating cost factors. Funds are also allocated directly to public transportation system. Federal share is 80%.

Elderly Individuals and Individuals with Disabilities
Funding: FFY 2010 - $9 million

This formula program provides capital-only assistance for the purchase of vehicles and is intended primarily for private not-for-profit organizations. It is administered by NYSDOT on behalf of the Federal Transit Administration (FTA) and funds are allocated based on the results of a statewide competitive solicitation. Federal share is 80%.

Rochester, Medical Motors Services, Monroe County

Medical Motor Service of Rochester & Monroe County, Inc. is a non-profit organization providing transportation services to children, adults, and senior citizens with specialized needs.

Medical Motors Services in Rochester uses FTA Section 5310 vehicles as a portion of their fleet, providing human service transportation in the greater Rochester Area, supplying workers to many key industries, improving medical facilities operations, improving efficiencies and lowering costs with assistance to many non-profits.

Job Access and Reverse Commute Program
Funding: FFY 2010 - $13 million

Funding is for the capital/operating costs of equipment, facilities, and associated capital maintenance items related to providing low income individuals access to jobs/job training. Funds are allocated directly to the public transit systems in areas of more than 200,000 in population. For areas of less than 200,000 in population, the program is administered by NYSDOT on behalf of the Federal Transit Administration (FTA) and funds are allocated by NYSDOT based on the results of a statewide competitive solicitation. The Federal share for capital activities is 80%; for operating projects it is 50%.

Fordham Road Train Station, Metro North, Bronx County

The NYSDOT worked with Metro North Railroad to rehabilitate the Fordham Road Train Station. The station was too small to adequately accommodate all who need to use this train to commute to their jobs, many of whom are low income people. Helping people to get to places of employment north of the station in a reverse-commute, this program provided funding to rehabilitate the station, expand platforms and improve conditions. The station is now in full use.

New Freedom Program
Funding: FFY 2010 - $7 million

This provides capital/operating funds for services and facility improvements beyond those required by the Americans with Disabilities Act (ADA). Funds are allocated directly to the public transit systems in areas of more than 200,000 in population. For areas of less than 200,000 in population, the program is administered by NYSDOT on behalf of the Federal Transit Administration (FTA) and funds are allocated by NYSDOT based on the results of a statewide competitive solicitation. The Federal share for capital activities is 80%; for operating projects it is 50%.

Core Federal Highway Programs *

*Project proposals must be developed through the planning process managed by the local Metropolitan Planning Council in urban areas and through consultation with NYSDOT in rural areas.

Alexander Hamilton Bridge Local Community Workforce Development Program, New York and Bronx Counties

Working with the prime contractor, NYSDOT initiated a Local Community Workforce Development Program to provide neighborhood residents and local businesses the opportunity for greater participation in the project. This effort

subsequently helped the project's Minority and Women-Owned Business Enterprise participation attainments through tracking contractor purchases of local goods and services. NYSDOT looks to encourage and facilitate this approach in several other large-scale projects in New York City including the ongoing Staten Island Expressway and the Kew Gardens Interchange contracts.

City of Albany: Fuller Road and Washington Ave Extension Intersection Improvement, Albany County

The College of Nanoscale Science and Engineering (CNSE) of the State University of New York, Fuller Road Management Corporation (FRMC) and Albany County are partnering together with NYSDOT to construct a jointly funded intersection improvement at Washington Avenue Extension and Fuller Road in Albany. The project will allow for the expansion of CNSE, a major employer and innovative research facility in the area. Transportation funds being used on this project include core federal funds.

Town of Huntington, LI: Long Island Expressway (I-495) Service Roads, Operational Improvements at Walt Whitman Road, Suffolk County

In the town of Huntington, Long Island, where a new Cannon USA North and South America headquarters are being built, traffic operation and safety improvements will be made at the intersections of the Long Island Expressway (I-495) north and south service roads with Walt Whitman Road. This project will complement NYSDOT's work at NY 110 over the LIE, which is nearing construction completion, work being undertaken as part of a local ARRA project to provide operational improvements along Walt Whitman Road and other improvements being made by Cannon USA. The improvements will serve the company's more than 1,200 employees as well as other users of the transportation system. This work will accommodate growth in business, promoting further investment in the area's economy. Transportation funds being utilized for these projects include core federal and state transportation funds as well as ARRA funds.

Buffalo Outer Harbor Parkway, Erie County

Federal highway funding is a key component of the Buffalo Outer Harbor Parkway Project currently under construction. This project will serve as a catalyst in reclaiming Buffalo's neglected and decaying waterfront and transforming it into a vibrant and exciting destination, spurring private capital investment in the area.

Bronx River Greenway Multi-Use Path, Bronx County

Federal highway funding was used to construct a multi-use path for bicyclists and pedestrians along the shoreline of the Bronx River as the major element in the Bronx River Greenway Project. The project helped reclaim a long-neglected and decaying shoreline, assist in the cleanup of the area, enhance the natural environment and connect communities that had previously been separated. This has

allowed for greater economic development in the surrounding area, with a new motel and greenmarkets cropping up in neighboring areas.

Hunter's Point South Bikeway and Streetscape Improvements, Queens County

In partnership with NYCEDC and other stakeholder's both public and private, Federal Highway funding is being used to construct a Class I, separate bikeway as part of the NYC Economic Development Corporation's Hunter's Point South Project in Long Island City, NY. The bikeway will be a resource in an area where new, affordable housing is being planned; a new public middle school and a new public park are now being constructed. The bikeway will provide a safe and environmentally sound component in the transportation infrastructure network for this new community.

Highway Bridge (HB)
Funding: FFY 2010 - $429 million

This program provides funding to improve the condition of state highways bridges through replacement, rehabilitation, and systematic preventive maintenance. Federal share is 80%.

Replacement of the Kosciuszko Bridge over Newtown Creek, Brooklyn and Queens Counties

The Kosciuszko Bridge, which carries the Brooklyn-Queens Expressway (I-278) over Newtown Creek, will be replaced with a new bridge, eliminating numerous safety, operational and infrastructure problems associated with the existing 70-year-old structure. The project will improve mobility and reliability on one of the most heavily travelled roadways in the State. The project will provide opportunities for DBE and MWBE firms and partnering with the construction industry. Working with the Federal Highway Administration, the NYSDOT held a workshop in October 2010 to improve small businesses' ability to compete for federal transportation contracts and engage more women and minorities in construction careers. This was one of five projects selected nationwide as part of a USDOT effort, in partnership with NYSDOT, to improve and exceed minority goals and improve small businesses ability to compete through improved community participation. The NYSDOT will continue to work closely with the community throughout the design and construction process.

Surface Transportation Program (STP)
Funding: FFY 2010 - $243 million

This provides flexible funding that may be used by States and localities for projects on any Federal-aid highway, including the NHS, bridge projects on any public road, transit capital projects, and intra-city and intercity bus terminals and facilities, advanced truck stop electrification systems, high accident intersections, and environmental restoration. Federal share is 80%.

East River Ferry Landing (midtown): East 34th Street, New York County

A dilapidated pier along the East River in midtown Manhattan is now replaced with the newly rebuilt E34th Street Ferry Landing. A key transportation facility that connects numerous transit facilities: the 34th St cross-town bus service; downtown ferry service to Pier 11; ferry service to Monmouth County in New Jersey and potential future expanded ferry services from Queens, Westchester, Nassau Counties as well as other interstate services with Connecticut. The ferry landing is currently in use by several private commuter ferry services, promoting public-private partnerships and enhancing transit options.

National Highway System (NHS)
Funding: FFY 2010 - $205 million

This funding is for improvements to rural and urban roads that are part of the National Highway System, including the Interstate System and designated connections to major intermodal terminals. Under certain circumstances, NHS funds may also be used to fund transit improvements in NHS corridors. Federal share is 80%.

Kew Gardens Interchange/JFK Airport Access, Queens County

The Kew Gardens Interchange is located at the intersection of the Grand Central Parkway, the Van Wyck Expressway, the Jackie Robinson Parkway and Union Turnpike in central Queens and is also adjacent to the NYC subway system. The Kew Gardens Interchange has been characterized as one of the most tangled knots of congestion in all of New York City, impacting the economy of the city and affecting the quality of life of all Queens residents. Working closely with elected officials and community members, as well as the MTA, NYSDOT developed a plan that untangles the knots, providing a smooth, safe flow of traffic for commuters and commerce in Queens. The project provides new jobs, reduces congestion, improves public transit access and will significantly improve commuting and quality of life, improve airport access and safety for drivers and pedestrians.

Interstate Maintenance (IM)
Funding: FFY 2010 - $180 million

The program funds resurfacing, restoring, rehabilitating and reconstructing (4R) most routes on the Interstate System. Federal share is 90%.

Major Deegan Expressway-Bronx Terminal Viaduct, Bronx County

Working with the community and elected officials, NYSDOT is developing plans to rehabilitate the Major Deegan Expressway, an aging and heavily used component of the transportation infrastructure that is in need of repair. The project will rehabilitate the elevated portion of the Major Deegan between 138th Street and Macombs Dam Bridge where the deck and steel support structure is deteriorating. NYSDOT is also working together with NYCDOT to ease traffic congestion through operational improvements such as changes to signal timing. The project is being designed to minimize impacts to existing businesses, preserving and promoting the potential for future development along the Harlem River waterfront while protecting critical infrastructure.

NYSDOT conducted extensive outreach and arrived at a solution that addresses the structural and safety needs of the facility while providing flexibility for the community. The plan will preserve businesses and local jobs while easing traffic congestion and setting the stage for future commercial and residential development along the Harlem River waterfront.

Congestion Mitigation & Air Quality Improvement (CMAQ)
Funding: FFY 2010 - $156 million

This program funds projects and programs in air quality nonattainment and maintenance areas for ozone, carbon monoxide (CO), and particulate matter (PM-10, PM-2.5) which reduce transportation related emissions. States and MPO's will give priority to diesel retrofits and other cost-effective mitigation activities which provide air quality benefits. Federal share is 80%.

NYSDOT Downstate TDM Program (511NYRideshare) serving the NY Metro Area

Economic competitiveness of the New York Metro area is uniquely advantaged by the wide range of choice in transportation options, particularly transit, rideshare and bike/pedestrian. The downstate Transportation Demand Management Program (511NYRideshare), as an integrated element of the 511NY multimodal information portal, provides a core building block for employers, communities and individuals to understand and make full use of these many available choices. 511NY Rideshare uses a wide range of platforms - web, mobile and 3rd party - to integrate information to support reliable and convenient travel options. Transportation choice is a key factor

in livability, helping to make an area a desirable place to live, work and do business and it promotes environmental sustainability. 511NYRideshare program is a strong resource in effectively communicating the travel choices that make New York a uniquely livable place to form and build businesses.

NYC Recycling Facility – 30th Street Pier in the South Brooklyn Marine Terminal in Sunset Park, Kings County

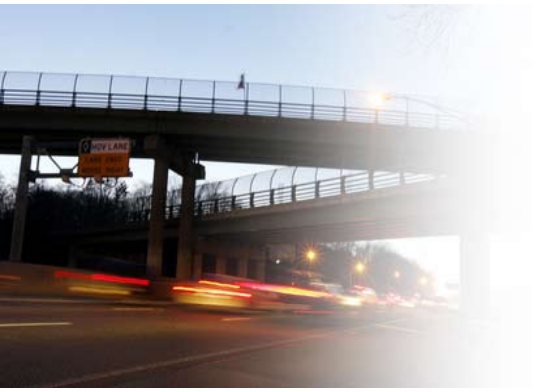
NYC Economic Development Corporation (EDC) is implementing a project to construct and operate the Sims Municipal Recycling Facility, comprising a new barge, rail and truck-served recycling facility to support the NYC curbside recycling program which will be the largest curbside program in the nation. The facility will be located on the 30th Street Pier in the South Brooklyn Marine Terminal in Sunset Park, Brooklyn. The project is a public-private partnership between Sims, the NYC Department of Sanitation and the NYC Economic Development Corporation.

NYSDOT Integrated Incident Management Project (IIMS)

The Integrated Incident Management System (IIMS) is an Intelligent Transportation System (ITS) project that enhances the coordination of multi-agency incident response (primary and secondary) and management. IIMS is an integral element of the NYSDOT's ITS delivery system in the New York City region. IIMS supports the sharing of information to improve incident response, increase the safety of emergency responders and the traveling public, facilitating more efficient use of resources used to respond incidents, reporting on road conditions and hazards and reducing congestion on the State road system in New York City and throughout the State. The program helps to reduce of the duration and severity of incidents. In the very near future IIMS will be deploying a hand-held (smart phone) application which will expand the set of involved agency users and be designed to publish critical incident reports to regional access points linked to 511NY. IIMS in its enhanced version will be able to support the capability of quickly detecting hazardous road conditions such as dangerous snow and icing. Through the sharing of this information with multiple responders and operations centers, the removal of hazardous conditions will be expedited, returning the affected transportation facility to full operations supporting economic activity in NY.

Highway Safety Improvements Funding: FFY 2010 - $37 million

This program authorizes funding to achieve a significant reduction in traffic fatalities and serious injuries on all public roads. Funds can be used on any public road or publicly owned bicycle and pedestrian pathway or trail. Federal share is 90%.



Staten Island Expressway Access Improvements and Bus Lane Extension, Richmond County

Improving operations and reducing delays along a 5-mile section of the Staten Island Expressway west of the Verrazano Narrows Bridge (VNB), this project will reconfigure ramps and allow this critical transportation route to operate more efficiently. Working closely with the MTA and the public, the work has involved a high degree of collaboration. The project will extend the bus lanes along the Staten Island Expressway, reducing congestion and delays and improving travel times for all vehicles along this heavily-congested roadway. The project will improve conditions for transit users, while allowing commercial and other activity to operate more efficiently.

Recreational Trails
Funding: FFY 2010 - $3 million

Funds are available to develop, construct, maintain, and rehabilitate trails and trail facilities. Trail uses include hiking, bicycling, in-line skating, equestrian use, cross-country skiing, snowmobiling, off-road motorcycling, all-terrain vehicle riding, four-wheel driving, or using other off-road motorized vehicles. States are encouraged to enter into contracts and cooperative agreements with youth conservation and service corps to perform trail construction and maintenance. The Federal share is on a sliding scale.

Railway-Highway Crossings
Funding: FFY 2010 - $6 million

This program funds projects to reduce the number of fatalities and injuries at public highway-rail grade crossings through the elimination of hazards and/or the installation/upgrade of protective devices at crossings. Federal share is 90%.

Coordinated Border Infrastructure
Funding: FFY 2010 - $28 million

Funds that can be used to improve the safe and efficient movement of motor vehicles at or across the land border between NY and Canada. Federal share is 80%.

Reconstruction and widening of Route 384, Veterans Drive to I-190, City of Niagara Falls, Niagara County

The reconstruction and widening of Route 384, with associated drainage improvements, will benefit international commerce by reducing congestion and improving operations and safety near the international United States-Canadian border crossing at the Rainbow Bridge in Niagara Falls. The roadway is acces-

sible to commercial vehicles, motor coaches and passenger vehicles. The project will improve vehicular movement within the industrial corridor on Route 384, providing much-needed efficient access to local industries and enhancing conditions for business and economic development. The project also facilitates the safe movement of pedestrians and bicyclists within the general border crossing area, providing opportunities for all users. Buffalo Avenue/Route 394 is the major east-west arterial roadway in Niagara Falls, NY, that serves both the major manufacturers (Oxy, Olin, DuPont, and Saint Gorbain) and the downtown tourist area. The NYSDOT and City have worked closely with all stakeholders to advance these long-needed improvements.

Safe Routes to School
Funding: FFY 2010 - $10 million

These funds are to enable and encourage children, including those with disabilities, to walk and bicycle to school; to make walking and bicycling to school safe and more appealing; and to facilitate the planning, development and implementation of projects that will improve safety, and reduce traffic, fuel consumption, and air pollution in the vicinity of schools. Such projects can be carried out on any public road or any bicycle or pedestrian pathway or trail in the vicinity of schools. Federal share is 100%.

Safe Routes to School at Q333, Goldie Maple Academy, Beach Channel Drive, Queens County

School officials reported a speeding problem at Beach Channel Drive at Goldie Maple Academy, a Pre-K to 8th grade public school in Queens. Surveys were conducted to verify speeds and it was determined that measures to slow traffic could help to calm traffic. Because this is a local bus route and snow route, the use of speed bumps and neckdowns could not be used here. Instead, neckdowns and raised medians will be installed; new bike lane and parking lane striping that will reduce the effective travel lane width in each direction will help slow down cars and reduce the crossing distances for pedestrians.

State Highway Programs

Consolidated Local Street and Highway Improvement Program (CHIPS)
Funding: SFY 2011-12 - $363 million

These funds provide assistance to localities in financing the construction, reconstruction, or improvement of local highways, bridges, highway-railroad crossings, and/or other local facilities. They are apportioned by NYSDOT to munici-

palities by formula that includes road mileage and vehicle registrations. Eligible capital activities must have a highway-related purpose and an expected minimum useful service life of 10 years.

Local Roadway Resurfacing, Village of Great Neck, Nassau County

In the Village of Great Neck, CHIPS funding was provided to resurface seven key local village roads that had fallen into a state of disrepair. The improvements to the roadway have increased safety and helped preserve the character of this vibrant Long Island community. The work improved safety for motorists, provided better roadway traction, brighter, more visible pavement markings, and helped preserve the economic vitality of the area.

Marchiselli Program
Funding: SFY 2011-12 - $40 million

This program assists local municipalities in meeting 75% of the non-federal share of federally-aided local highway and bridge projects. Projects are selected through NYSDOT.

Reconstruction of County Road 83/Ocean Avenue Bridge over the Long Island Expressway, Suffolk County

Suffolk County oversaw the reconstruction of this project, central to assuring the continued integrity and reliability of this important piece of infrastructure. For the tens of thousands of commuters who depend on this facility every day, widening the Ocean Avenue Bridge alleviated severe traffic delays that had once been part of the daily commute. With smoother traffic flow, the new and improved bridge supports and sustains business growth and renews commerce mobility along this vital, heavily populated corridor.

State Rail Programs

State Rail - Passenger and Freight Rail Service Preservation
Funding: SFY 2011-12 - $10 million

Funding for the construction and improvement of passenger and freight rail infrastructure and facilities. Funds are allocated by NYSDOT based on the results of a statewide competitive solicitation. State share is 100%.

Rotterdam Railex Access, Schenectady County

NYSDOT's investments in rail access were key to the success of the Railex produce distribution facility in Rotterdam, NY. This 250,000 square foot facility opened in October 2006 with an initial employment of 150, receiving a weekly 55 car train of produce from Washington. Today, the company employs more

than 200 and receives four weekly round trips from Washington and Southern California and is looking to expand into the Southeast US. (See http://www.railexusa.com)

Seneca Intermodal Terminal, Buffalo, Erie County

In a public-private-partnership with the NYS Dormitory Authority and CSX Transportation Inc., NYSDOT funded construction of a new intermodal terminal at Seneca Yard, just south of Buffalo. This facility opened November 2007 and today provides direct intermodal service to Chicago and North Jersey, with connections to the west coast, gulf coast, and east coast (see http://www.csxi.com/share/csxicustomer/main/docs/UMAXmap-REF25354.PDF).

State Aviation Programs

State Aviation – FAA Airport Improvement Program matching funds
Funding: SFY 2011-12 - $4 million

This program provides State matching funds to leverage Federal Aviation Administration (FAA) funding allocated under the Airport Improvement Program (AIP). State funds are apportioned based on the receipt of Federal AIP funding. Federal share is 95%. To the extent that funds remain available after Federal matching, they may be used for the 100% State-funded program (AIR'99).

Relocation of Taxiway at Republic Airport, Suffolk County

Relocating Taxiway Bravo a safe distance away from the runway helps keep the airways safe and the airport operating and protecting the public along with dozens of businesses in the nearby vicinity that rely on Republic Airport for economic survival. The new taxiway significantly improves Republic Airport's appeal and safety for private aircraft. As New York's busiest general aviation airport, Republic is important to the area's economy. The relocated taxiway allows disaster-relief military aircraft to utilize Republic Airport, in the event of a crisis, to provide emergency supplies and equipment to Long Island's 2.6 million people. In the short term, the construction of Taxiway Bravo created dozens of jobs and provided a boost to the local economy. In the long term, Republic Airport's enhanced aviation safety and improved security with disaster relief capabilities are regional assets that attract and reassure current and future clients and business owners both within and surrounding the airport.