

Agency Programs/Activities: Inventory and Key Data
New York State Energy Research and Development Authority

Core Mission (H/M/L)	Program/Activity	Category (SO, ATL, CAP)	3/31/09 FTEs (All Funds)	General Fund Disbursements				State Special Revenue Funds Disbursements				Capital Projects Funds Disbursements (\$000s)			
				2006-07 Actual	2007-08 Actual	2008-09 Plan	2009-10 Projected	2006-07 Actual	2007-08 Actual	2008-09 Plan	2009-10 Projected	2006-07 Actual	2007-08 Actual	2008-09 Plan	2009-10 Projected
H	Western New York Nuclear Service Center											14,000	13,500	9,630	13,500
	Research, Development and Demonstration (RDD)														
	Grant Funding RDD	ATL						14,798	10,142						
H	Building	ATL									2,202	2,202			
H	Industry	ATL									2,126	2,126			
H	Energy Resources	ATL									759	759			
H	Transportation	ATL									2,581	2,581			
H	Environment	ATL									1,898	1,898			
L	University of Rochester (UR) Laboratory for Laser Energetics	ATL										735	735		
											10,301	10,301			
H	Research Development and Demonstration	SO	18.5							3,269	2,823	2,433			
H	Energy Planning and Policy (EPP)	SO	27.1							2,645	4,911	4,233			
			45.6							5,914	7,734	6,666			
	Total		45.6					14,798	16,056	18,035	16,967	14,000	13,500	9,630	13,500

Note: RDD appropriation does not include New York Power Authority or Long Island Power Authority annual contributions.

New York State Energy Research and Development Authority
PROGRAM INFORMATION SHEET

Program: Western New York Service Center

Mandate: Since the property is owned by NYSERDA on behalf of New York State, annual appropriations are used to fund the State's share of the West Valley Demonstration costs, and also to provide for monitoring and oversight of the State License Disposal Area (SDA).

Mandated Funding Level: Annual Appropriation is \$13.5M.

Brief Description/History/Background:

NYSERDA manages on behalf of New York State the Western New York Nuclear Service Center, the site of a former plant for reprocessing used nuclear fuel. The Western New York Nuclear Service Center (Center) was established in the 1960s in response to a federal call for efforts to commercialize the reprocessing of spent nuclear fuel from power reactors. The Center is a 3,300-acre parcel owned by NYSERDA on behalf of the State of New York, located near the hamlet of West Valley in Cattaraugus County. In 1980 on behalf of their respective governments, DOE and NYSERDA entered into a Cooperative Agreement for carrying out the Demonstration Project to solidify radioactive waste, transport the waste to a federal repository, decontaminate and decommission the facilities. Under the Cooperative Agreement, DOE has exclusive use and possession of a portion of the Center known as the Project Premises (approximately 175 acres) to carry out the Project.

The Project Premises include all of the major facilities at the Center except for the shut-down commercial LLRW burial area known as the SDA. The Cooperative Agreement provides for the state's 10 percent share of Project costs to be met through a combination of a credit for the facilities used by DOE, expenditures on services provided by NYSERDA, and direct NYSERDA payments for Project activities. The SDA occupies approximately 15 acres of the Western New York Nuclear Service Center immediately adjacent to the 175 acres DOE is using for the Project. NYSERDA currently has responsibility for the monitoring and maintenance of the SDA. Long term management of the SDA is being addressed as part of a joint environmental impact statement the DOE and NYSERDA are carrying out for decommissioning and /or long term stewardship of the West Valley facilities.

Issues: As responsible stewards of the Center, NYSERDA uses objective analysis and solicits multiple perspectives to identify, assess, and implement effective and enduring approaches to protect the environment and the well being of workers and the community. The West Valley Demonstration Project Act (WVDPA) requires the United States Department of Energy (DOE) to, among other things, solidify the high-level radioactive waste contained in large underground tanks at the West Valley site and to decontaminate and decommission the facilities, equipment and material used in the solidification effort. In the late 1990's, as the solidification effort neared completion, it became apparent that the Authority and DOE had significant disagreements about the scope of DOE's responsibility to decontaminate and decommission facilities at West Valley. Despite years of negotiations, the Authority and DOE have been unable to resolve these disagreements.

The Authority has retained outside counsel to assist in implementing a strategy that includes regulatory pressure, legislation, and litigation to attempt to resolve the disputes with DOE. With the approval of the Members, the Authority with the State of New York and the Department of Environmental Conservation as co-plaintiffs, filed suit against the federal government in December 2006 to determine the federal government's cleanup responsibilities at West Valley, under various Federal law.

Population Served: Statewide

Performance Measures: No current performance measures.

New York State Energy Research and Development Authority
PROGRAM INFORMATION SHEET

Program: Research, Development, and Demonstration and the University of Rochester Laboratory for Laser Energetics

Mandate: These programs are funded by a state appropriation (Special Revenue Fund) funded by an assessment on the intrastate sales of gas and electricity by New York State utilities which is collected by the Department of Public Service pursuant to Section 18-a of the Public Service Law.

Mandated Funding Level: Annual appropriation levels for RDD and the University of Rochester are: \$12,661 and \$750 respectively.

Brief Description/History/Background:

NYSERDA's Energy Research, Development and Demonstration (RD&D) program focuses on developing high-value-added energy and environmental products, addressing energy-related environmental concerns when there is insufficient private-sector incentive to do so, helping small customers solve some of their energy and environmental challenges, and providing objective technical analysis. With diverse customer needs, and a multitude of factors to consider in developing energy technologies, trying to pick "winners" is often best left to end-users and the marketplace. NYSERDA's role in developing, testing, optimizing, improving, demonstrating, and evaluating technologies is one of support to customers.

NYSERDA's RD&D program focuses on five areas: Industry, Buildings, Energy Resources, Transportation and Power Systems, and Environment. The linkages among energy, the economy, and the environment are inherent throughout NYSERDA's RD&D programs. Moreover, NYSERDA builds technology transfer into each RD&D project it pursues as a critical element to help ensure more rapid use of technology.

Although the New York Power Authority and Long Island Power Authority are not subject to the Public Service Law 18-a they do make annual contributions in the amount \$1.6 million each to help fund the RDD program.

Funding in the amount of \$735,000 is included for transfer to the University of Rochester Laboratory for Laser Energetics. This project has received funding through this State appropriation since Fiscal Year 1982-83.

Issues: Since its first full year of funding, NYSERDA's RD&D program has lost substantial purchasing power due to inflation, since the program has been held without any inflationary increases.

Population Served: Statewide

Performance Measures: The RD&D program provides funding each year to about 100 projects with businesses, municipalities, institutions, and universities. Projects are generally selected through the issuance of a competitive solicitation issued for a particular technology area aimed at selecting the most innovative ideas and the best research provider. Projects are reviewed by evaluation panels comprised of both NYSERDA staff and outside experts to determine those projects most worthy of funding. NYSERDA's R&D program brings tangible benefits to New Yorkers, including growing businesses, reducing energy-related costs, developing new energy technologies and improving the environment.

NYSERDA's R&D program brings tangible benefits to New Yorkers, including growing businesses, reducing energy-related costs, developing new energy technologies and improving the environment. NYSERDA's RD&D program stimulated new product sales of over \$224.7 million for New York companies during 2007 from NYSERDA-sponsored projects. NYSERDA product development projects generally include requirements for the contractor to provide recoupment payments to NYSERDA (payments from sales of products successfully developed with NYSERDA funding); for fiscal year 2007-08, recoupment of approximately \$670 thousand was collected which is used to fund additional new projects. In addition, NYSERDA's funding helps leverage significant outside investment: for every dollar invested by NYSERDA, about \$2 is provided by others. NYSERDA measures product development by the following attributes: product sales, recoupment funds received, number of companies reporting sales, number of products with sales, net impact on employment, net impact on employment income, net impact on gross state product (GSP), and NYSERDA product development funding.

New York State Energy Research and Development Authority
PROGRAM INFORMATION SHEET

Program: Energy Policy and Planning

Mandate: These programs are funded by a state appropriation (Special Revenue Fund) funded by an assessment on the intrastate sales of gas and electricity by New York State utilities which is collected by the Department of Public Service pursuant to Section 18-a of the Public Service Law.

Mandated Funding Level: Annual appropriation level for Energy Policy and Planning is \$3,945.

Brief Description/History/Background:

NYSERDA's Energy Analysis program provides the State's energy policy decision makers and energy industry stakeholders with a wide ranges of data and analyses to support policy making. The program also has primary responsibility to respond to petroleum product supply shortfalls in the event of energy supply disruptions that are caused by severe weather, transportation delays, or petroleum product shortages. The program also supports the State's energy emergency planning and response capabilities, radioactive waste policy and nuclear coordination, and power plant siting process. The program also tracks, monitors, forecasts, and reports on New York's fuel prices and inventories, and makes this information publicly available and accessible. In addition, the program also supports energy market monitoring activities and energy data collection and reporting.

Issues: NA

Population Served: Statewide

Performance Measures: NA

New York State Energy Research and Development Authority
PROGRAM INFORMATION SHEET

Program: Low Level Radioactive Waste Coordination and Reporting

Mandate: Pursuant to the New York State Low-Level Radioactive Waste (LLRW) Management Act of 1986 - sub allocated from DOH

Mandated Funding Level: The program costs are funded through a State appropriation reimbursed with funds collected by NYSERDA from an assessment on the licensees of operating nuclear power plants in New York State pursuant to the State Low Level Radioactive Waste Management Act of 1986.

Brief Description/History/Background:

NYSERDA is responsible for ultimately constructing and operating LLRW disposal facilities and collecting information and providing regular reports to the Governor, the Legislature, and the public on LLRW generation in the State.

Issues: Although there has been no litigation to date, NYSERDA has received several nuclear plant operator representations that they reserve the right to seek a refund if PAL 1854-d.2.c is determined to be unlawful. They also seek a statement of the State's plans to timely remediate its default in establishing a LLRW disposal facility and to perform satisfactory its obligations under federal and state law.

Population Served: Statewide

Performance Measures: Timely filing of an Annual LLRW Status Report to the Governor and Legislature each July 1.

New York State Energy Research and Development Authority
PROGRAM INFORMATION SHEET

Program: Urban Development Corporation - Sub allocations

Mandate: The FY2006-07 Capital Projects Fund Budget for the New York State Urban Development Corporation (UDC) included appropriations for Energy/Environmental Projects, which have been, sub allocated to NYSERDA for administration; these appropriations are eligible for reimbursement from the proceeds of bonds to be issued by the Dormitory Authority or UDC.

Mandated Funding Level: A \$30 million reappropriation for transportation energy efficiency programs includes funding for: \$5 million for a hydrogen transportation development; \$10 million for development of plug-in hybrid electric vehicle technologies; \$5 million for advanced vehicle research and development; and \$10 million for increasing the number of bio-diesel service stations in New York. A \$20 million reappropriation for construction of pilot cellulosic ethanol refinery facilities includes two projects for funding in Rochester and Lyonsdale. The projects are also being funded with \$3 million from the Economic Development Purpose Fund appropriation and approximately \$2.1 million in funding from the New York Power Authority from petroleum overcharge funds. In FY06-07, NYSERDA and the Department of Agriculture and Markets competitively selected these projects.

Brief Description/History/Background: These funds are sub allocated through the Urban Development Corporation and were initially included in the FY2006-07 Capital Project Fund Budget. These funds contain program activity and contractual obligations and as a result have been requested in FY 09-10.

Issues: NA

Population Served: Statewide

Performance Measures: NA