



Federal Economic Recovery Funding for Energy Efficiency and Renewable Energy Projects

Title IV of American Recovery and Reinvestment Act (ARRA) of 2009 - Department of Energy (DOE)

<p>State Energy Program \$ ARRA – \$3,100,000,000 \$ NYS Share – \$123,110,000</p>	<p>Status</p> <ul style="list-style-type: none"> • Program Guidance issued by DOE on 3/12/2009 • NYSERDA submitted Plan to DOE on 5/12/2009 • http://www.nyserd.org/Economicrecovery/documents/NYS%20SEP%20ARRA%20Grant%20Application.pdf • Applications for Projects will be solicited following DOE approval of Plan 	<p>Potential Uses</p> <ul style="list-style-type: none"> • Energy efficiency (EE) and renewable energy capital projects • Building and facility energy audits • Energy Code support • Transportation EE and alternative fuels
<p>Energy Efficiency and Conservation Block Grants \$ ARRA - \$3,200,000,000</p> <ul style="list-style-type: none"> • \$ 400,000,000 for competitive grants; • \$2,800,000,000 by formula <p>\$ NYS Share</p> <ul style="list-style-type: none"> • \$175,122,300 by formula <ul style="list-style-type: none"> - \$17,856,360 to NYSERDA for small municipalities - \$11,904,240 to NYSERDA for all municipalities - \$23,739,000 to 10 largest counties - \$121,622,700 to 44 largest cities/towns • \$ from competitive grants to be determined 	<p>Status</p> <ul style="list-style-type: none"> • Program Guidance issued by DOE on 3/26/2009 • Large city, county, and tribal organization applications due to DOE by 6/25/09 • Deadline for NYSERDA's application to DOE extended and is now also 6/25/09 • NYSERDA will solicit applications for projects from small municipalities following DOE approval of Plan 	<p>Potential Uses</p> <ul style="list-style-type: none"> • Building energy audits • Financial incentives for EE retrofits • Transportation EE programs • Building code services • Energy distribution technologies • Material conservation programs • Technologies to reduce or capture greenhouse gases from landfills • Replacement of traffic signals and street lighting with EE technologies • On-site renewable energy technology that generates electricity for government buildings
<p>Weatherization Assistance \$ ARRA – \$5,000,000,000 \$ NYS Share – \$394,686,513</p>	<p>Status</p> <ul style="list-style-type: none"> • Program Guidance issued by DOE on 3/12/2009 • DHCR submitted Plan to DOE on 5/12/2009 • http://www.dhcr.state.ny.us/Publications/WeatherizationRecoveryActFundingPlan/Weath_ARRA_Plan.pdf • DHCR receives funding from DOE and distributes funds to a network of local community organizations to meet local household needs 	<p>Potential Uses</p> <ul style="list-style-type: none"> • Assist income-eligible households to reduce their heating and cooling costs and improve the safety of their homes
<p>Energy Efficiency Appliance Rebate Program and the ENERGY STAR® Program \$ ARRA – \$300,000,000 \$ NYS Share - Formula allocation to NYSERDA still to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> • Pending issuance of funding opportunity by DOE • NYSERDA will receive funds from DOE and structure program for distribution of funds 	<p>Potential Uses</p> <ul style="list-style-type: none"> • Provide incentives to replace old appliances with energy efficient ENERGY STAR® Products
<p>Alternative Fueled Vehicles Pilot Grants \$ ARRA – \$300,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> • DOE issued Funding Opportunity Announcement (FOA); proposals due on 5/29/2009 • Joint proposal being coordinated by NYSERDA with local Clean Cities Groups • Applicants must be members of DOE Clean Cities Coalition in New York State 	<p>Potential Uses</p> <ul style="list-style-type: none"> • Alternative fueled vehicles, hybrid vehicles, or fuel cell vehicles • Fueling infrastructure • Operation and maintenance

<p>Diesel Emission Reduction Act Grants \$ ARRA – \$ 300,000,000 \$ NYS Share - \$1,730,000 by formula to NYSDEC for State Clean Diesel Grant Program; with competitive grant portion to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> EPA awarded \$1,700,000 in formula grant to NYSDEC under State Clean Diesel Grant Program EPA issued Request for Applications for National Clean Diesel Funding Assistance Program on 3/6/2009; On 4/28/2009, NYSERDA coordinated and submitted 10 applications for more than \$50 million in funding EPA issued Request for Applications for Clean Diesel Emerging Technologies Program on 3/6/2009; applications were due on 5/5/2009 EPA issued Request for Applications for SmartWay Clean Diesel Finance Program on 3/6/2009; on 4/28/2009, NYSERDA submitted an application for more than \$3 million in funding 	<p>Potential Uses</p> <ul style="list-style-type: none"> Support diesel emission reduction programs Support the use, development and commercialization of emerging technologies that reduce emissions from diesel engines Support the creation of national, state or local innovative clean diesel financing programs
<p>Transportation Electrification \$ ARRA – \$400,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> FOA issued by DOE on 3/19/2009; on 5/13/2009, NYSERDA submitted an application for \$10.7 million to place electric-powered trailer refrigeration units and infrastructure at several locations, and provided cost-share and letters of support for proposals being submitted by Ford and Chrysler 	<p>Potential Uses</p> <ul style="list-style-type: none"> Projects that encourage the use of plug-in electric drive vehicles Truck-stop electrification, electric truck refrigeration, electric rail
<p>Electricity Delivery and Energy Reliability \$ ARRA – \$4,500,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> DOE issued FOA for Synchrophasor Research on 3/27/09; applications due on 5/27/09 DOE issued Notice of Intent to issue funding opportunity for Smart Grid Investment Grant Program on 4/16/09; applications available on 6/17/09; applications due on 7/29/09 DOE issued draft FOA for Smart Grid Demonstrations on 4/16/09; comments were due on 5/6/09 	<p>Potential Uses</p> <ul style="list-style-type: none"> Smart Grid/energy storage demonstrations; worker training; resource assessments
<p>Advanced Battery Manufacturing Grants \$ ARRA – \$2,000,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> DOE issued FOA on 3/19/2009; proposals due on 5/19/2009 NYSERDA and ESD provided letters of support for companies that submitted applications to DOE 	<p>Potential Use</p> <ul style="list-style-type: none"> Manufacturing of advanced batteries and components
<p>Applied Research, Development, Demonstration and Deployment Activities \$ ARRA – \$2,500,000,000</p> <ul style="list-style-type: none"> \$800,000,000 for biomass projects \$400,000,000 for geothermal projects \$50,000,000 efficiency of information and communications technology and standards <p>\$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> DOE issued Notice of Intent to issue funding opportunity for Deployment of Combined Heat and Power Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment Information and Communication Facility Energy Efficiency DOE issued FOA for Enhanced Geothermal Systems Component Research and Development Analysis; Proposals due 6/15/2009 NOTE: DOE has indicated intent to modify this FOA to include ARRA funds DOE issued FOA for Enhanced Geothermal Systems Demonstration; Proposal due date extended to 6/30/09 NOTE: DOE has indicated intent to modify this FOA to include ARRA funds DOE issued FOA for Recovery Act - Demonstration of Integrated Biorefinery Operations on 5/7/09; Notice of Intent to Apply due on 5/29/09; Applications due on 6/30/09 	<p>Potential Uses</p> <ul style="list-style-type: none"> Applied research, development, demonstration and deployment activities
<p>Fossil Energy Research and Development \$ ARRA – \$3,400,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> Pending issuance of additional Funding Opportunity Announcements by DOE 	<p>Potential Uses</p> <ul style="list-style-type: none"> Fossil energy research and development projects, including carbon capture and sequestration projects and geological characterization Clean Coal Power Projects
<p>Science – Advanced Research Projects \$ ARRA – \$1,600,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> DOE announced on 4/27/09 awards for 46 new Energy Frontier Research Centers (EFRCs), to be funded, in part, with ARRA funds. Five EFRCs to be located in NYS. Pending issuance of additional FOAs by DOE 	<p>Potential Uses</p> <ul style="list-style-type: none"> Research and development of energy technologies Research to reduce energy imports; energy-related GHG emissions; and improve energy efficiency in all sectors
<p>Advanced Research Projects Agency – Energy \$ ARRA - \$400,000,000 \$ NYS Share - \$ from competitive grants to be determined</p>	<p>Status</p> <ul style="list-style-type: none"> DOE issued FOA on 4/27/2009; DOE accepting concept papers between 5/12/2009 and 6/02/2009 	<p>Potential Uses</p> <p>Energy technology projects that:</p> <ul style="list-style-type: none"> Translate scientific discoveries and cutting-edge inventions into technological innovations and Accelerate transformational technological advances

Innovative Technology Loan Guarantee Program \$ ARRA – \$6,000,000,000	Status <ul style="list-style-type: none"> • Pending issuance of FOA by DOE 	Potential Uses <ul style="list-style-type: none"> • Technology Development and Demonstration
ADDITIONAL INFORMATION For current information from NYSERDA, please sign up at www.nyserda.org/EconomicRecovery . If you have a specific question, please email EconomicRecovery@nyserda.org or call 1-866-NYSERDA (1-866-697-3732). Questions also may be directed to the Department of Public Service by contacting Kimberly Harriman at Kimberly_harriman@dps.state.ny.us		