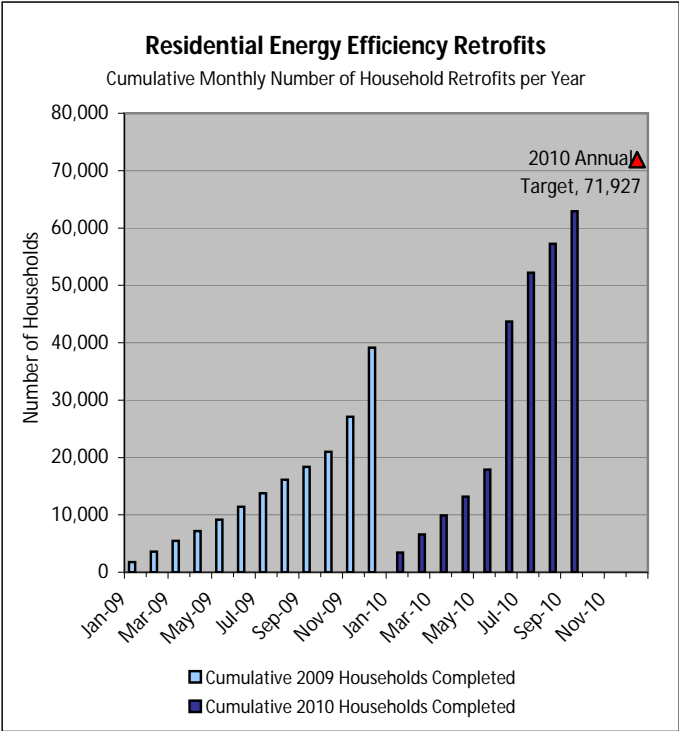
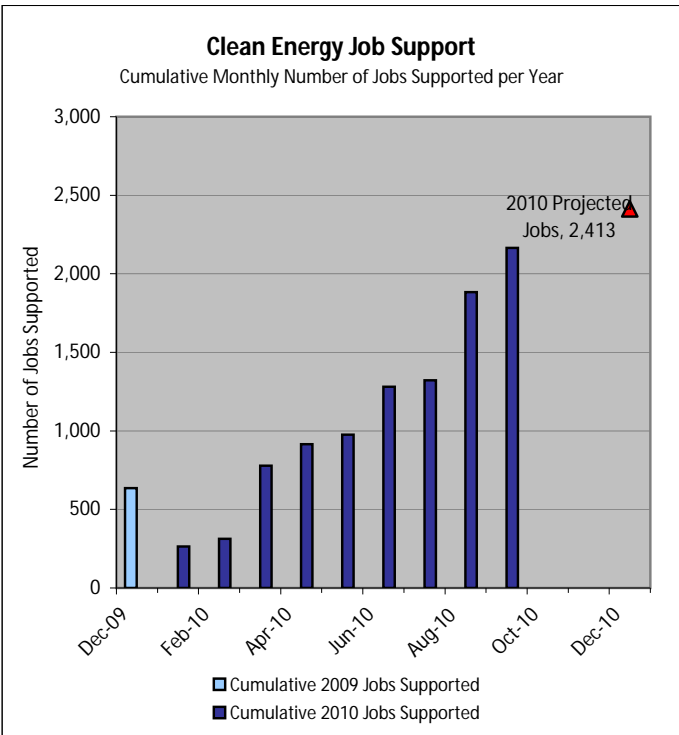


ECONOMIC DEVELOPMENT/ JOBS

WEATHERIZATION PROGRAMS

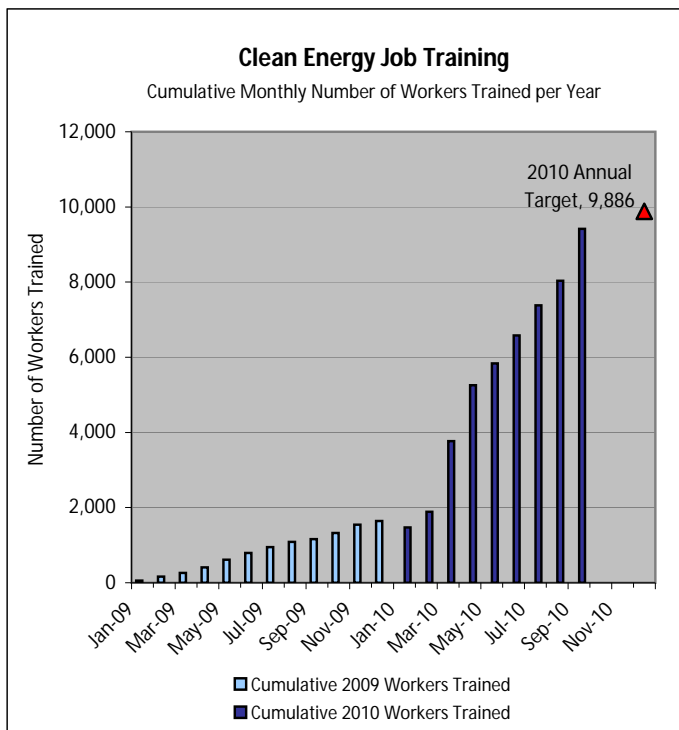


**Residential Energy Efficiency Retrofits** - Residential energy efficiency retrofits, or weatherizations, aim to improve the energy efficiency of a household through the installation of insulation, caulking, improving heating systems, installing energy efficient appliances, and other similar measures. A number of New York State agencies offer programs to reduce the costs of these types of projects, including the Division of Housing & Community Renewal (DHCR), the State Energy Research and Development Authority (NYSERDA), and the Long Island Power Authority (LIPA). In 2009, these three agencies reached 39,124 households with their efficiency programs. The target number of households for 2010 is nearly 72,000, representing an increase from 2009 levels by over 80 percent.

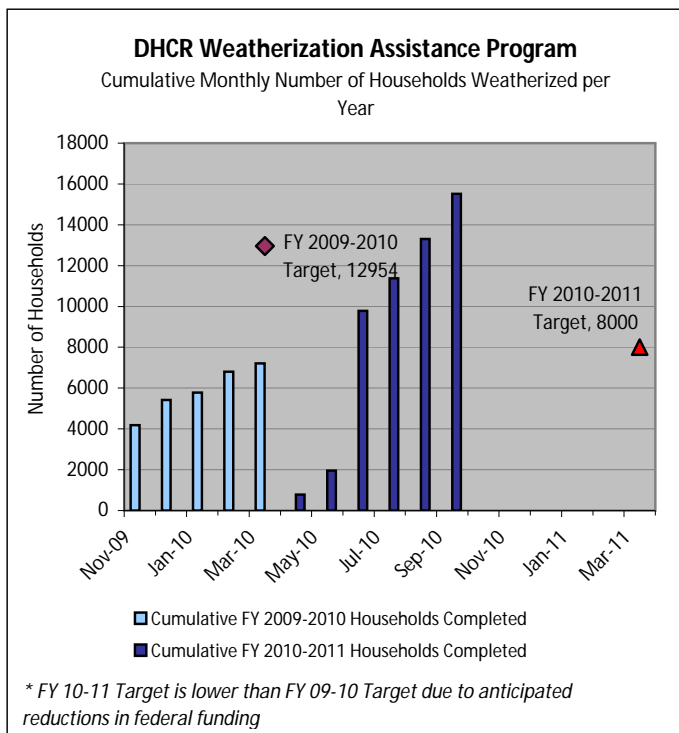


**Clean Energy Job Support** - The financial support provided by the State's residential energy efficiency retrofit programs administered by DHCR, NYSERDA, and LIPA creates demand for new jobs. In 2009, it's estimated that 637 jobs were supported as a result of these State efficiency programs. This data does not include jobs supported in the renewable energy sector.

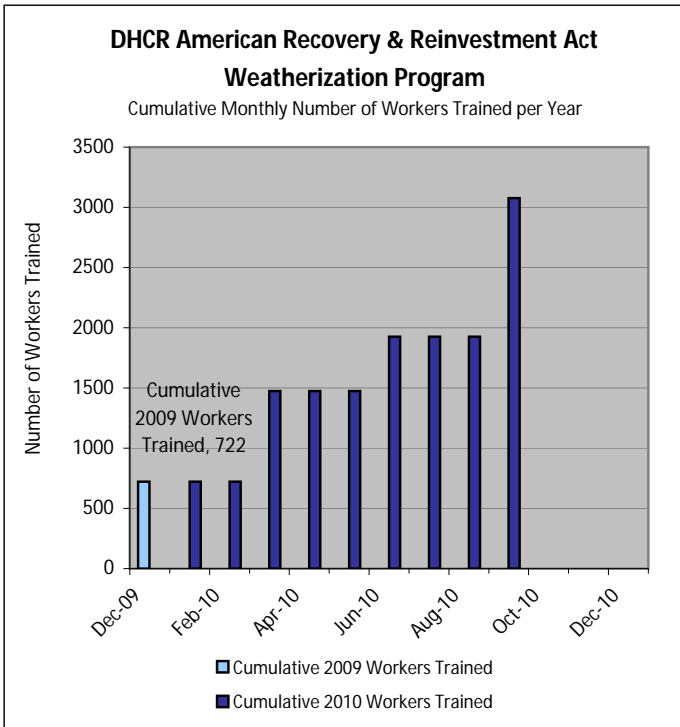
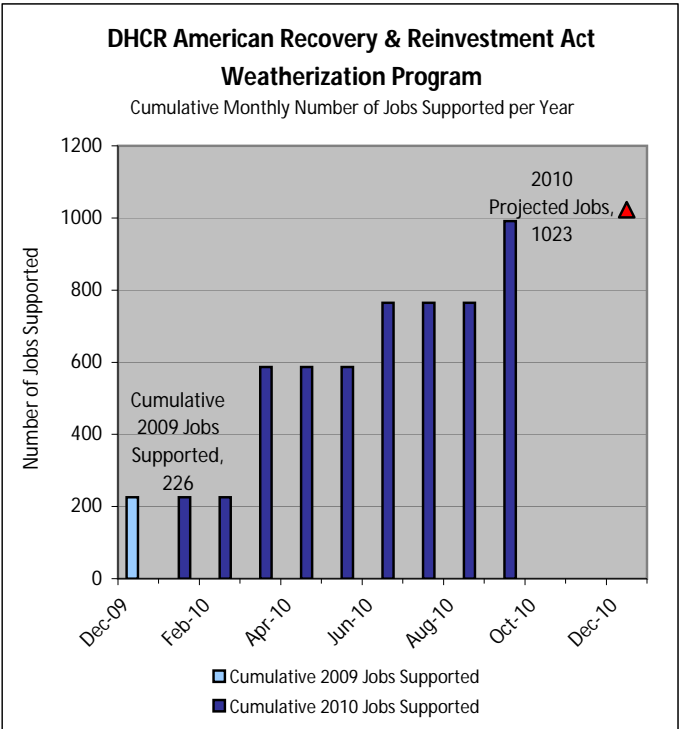
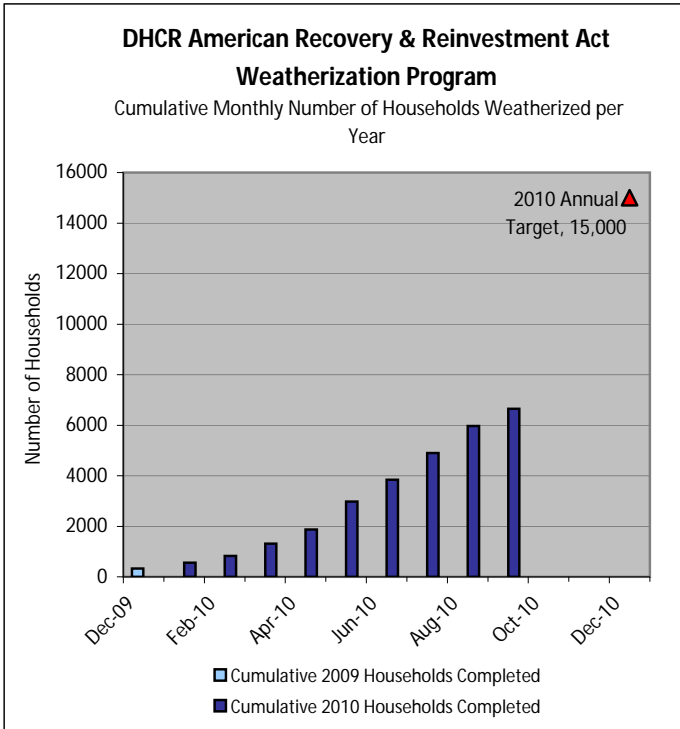
Source: DHCR, NYSERDA, LIPA



**Clean Energy Job Training** - Clean Energy Job Training is aimed at preparing individuals for jobs in the energy efficiency retrofit and renewable energy installation fields. A number of New York State agencies support these training programs, including NYSERDA, the State Department of Labor (NYSDOL), and the Office of Temporary and Disability Assistance (OTDA). In 2009, the training programs supported by these three agencies trained 3,189 workers. The target number for 2010 is nearly 10,000 workers trained.



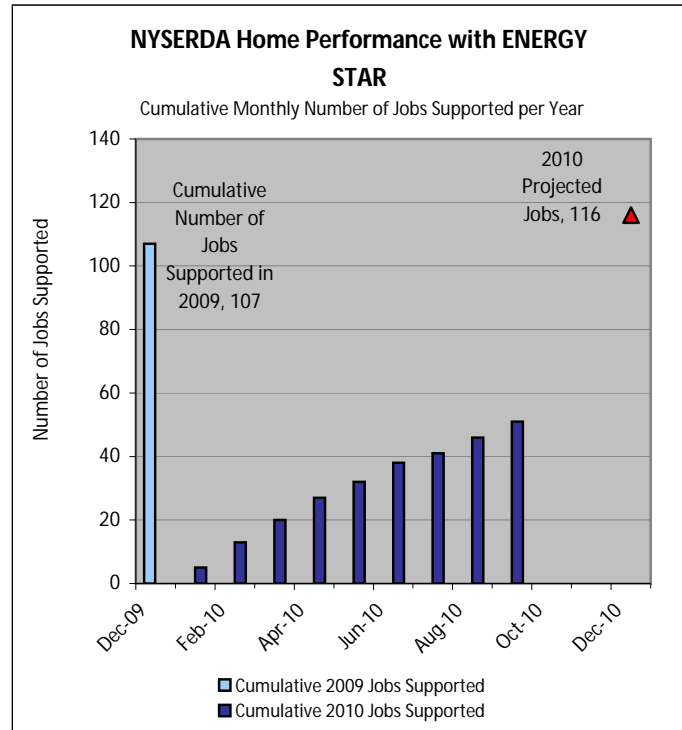
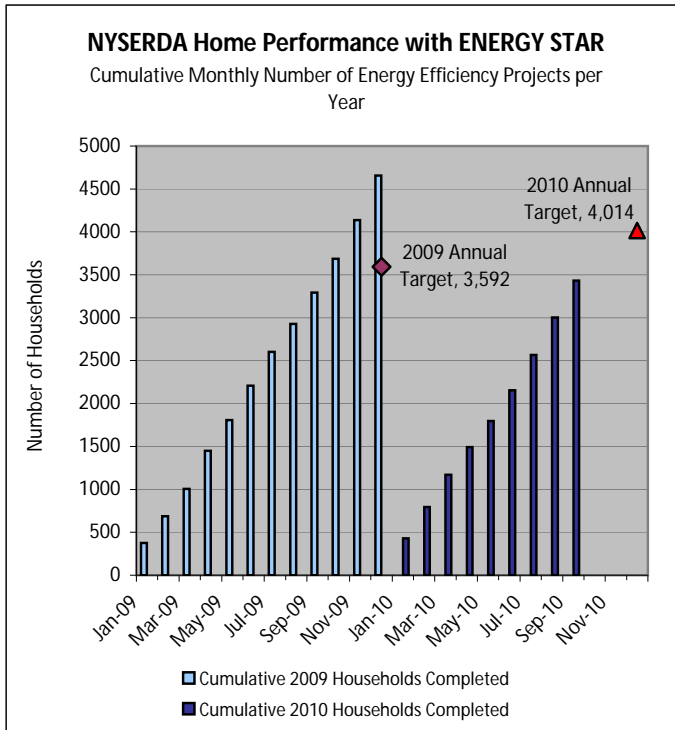
**Weatherization Assistance Program** - The Division of Housing & Community Renewal's (DHCR's) Weatherization Assistance Program assists income-eligible families and individuals by reducing their heating/cooling costs and improving the safety of their homes through energy efficiency measures, such as installation of insulation, caulking, and heating system and appliance upgrades. The program ended calendar year 2009 with 5,423 household units completed and another 9,814 underway. The goal for FY 2009-10 is 12,954 household units, but it is anticipated that actual production could reach approximately 16,250, an increase of almost 25 percent over 2008-09 (13,019 units). However, targets for 2010-11 remain somewhat uncertain, due to federal and state budget challenges.



**American Recovery and Reinvestment Act Weatherization Assistance Program** - American Recovery and Reinvestment Act (ARRA) funds are being provided to DHCR to expand its Weatherization Assistance Program over the period of 2009 to 2011. The target for this three-year ARRA period is 45,000 household units. However, the start of ARRA production in 2009 was delayed until late fall while DHCR awaited federal guidance regarding federal prevailing wage compliance and other regulatory issues. The ARRA funded program ended calendar year 2009 with a cumulative 324 household units completed, with another 13,230 underway. In addition, 226 jobs were supported and 722 people were trained.

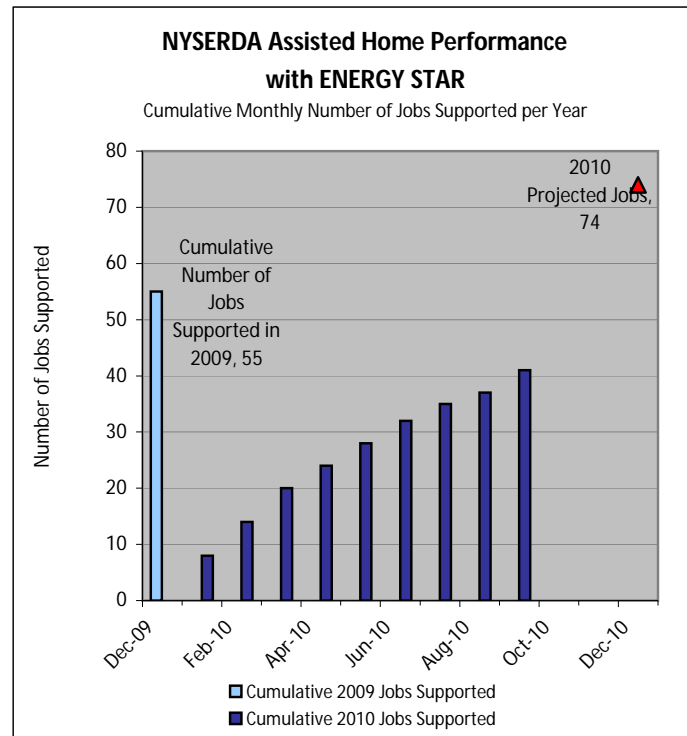
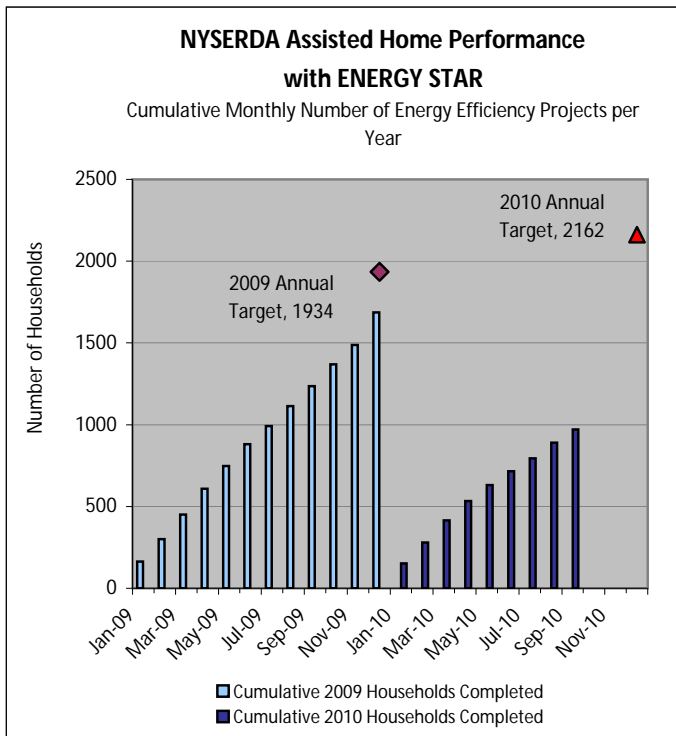
*(Jobs Supported and Workers Trained data is collected quarterly)*

Source: DHCR



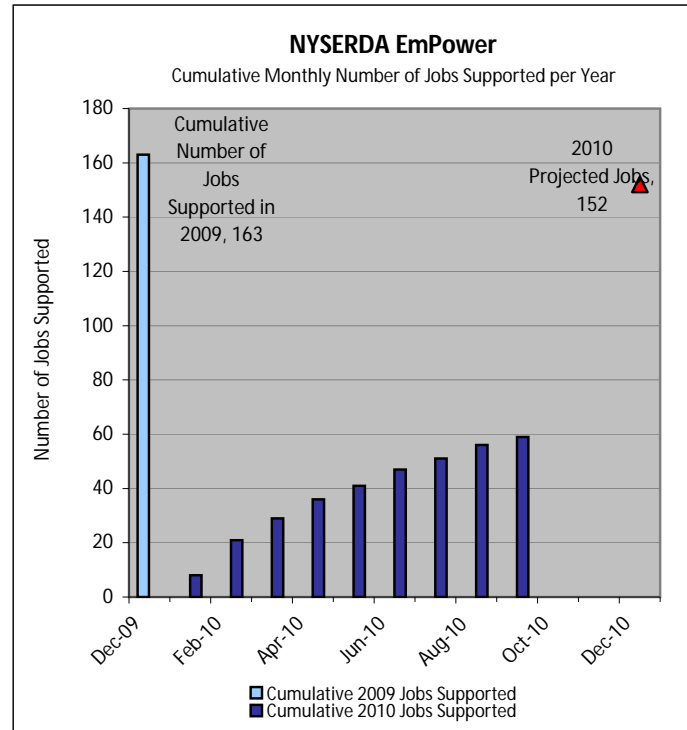
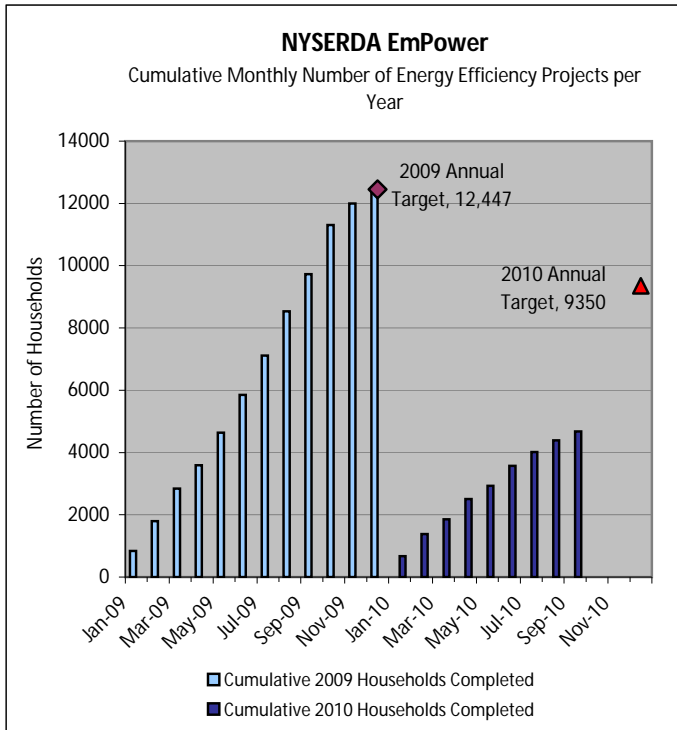
**Home Performance with ENERGY STAR** - The New York State Energy Research and Development Authority (NYSERDA) Home Performance with ENERGY STAR Program provides energy efficiency home improvements through a network of trained contractors for 1-4 unit family homes. The Program saw a 24% increase in completed household units from 2008 to 2009. In 2009, the Program completed 4,655 household units, exceeding the 2009 market rate goal by nearly 30%. This resulted in 107 jobs being supported in 2009.

*(A multiplier of "7 jobs per \$1 million spent" was used to estimate jobs supported. The multiplier only counts the jobs associated with the spending of program dollars and does not consider the employment impacts of: (1) charging ratepayers for program costs; (2) energy savings realized due to equipment installations; or any other employment impacts. The multiplier was derived from using the REMI Model.)*



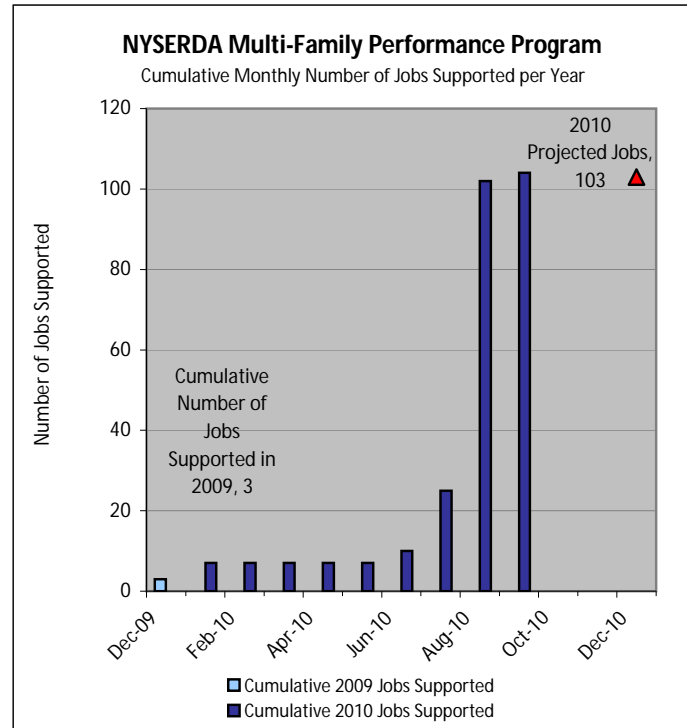
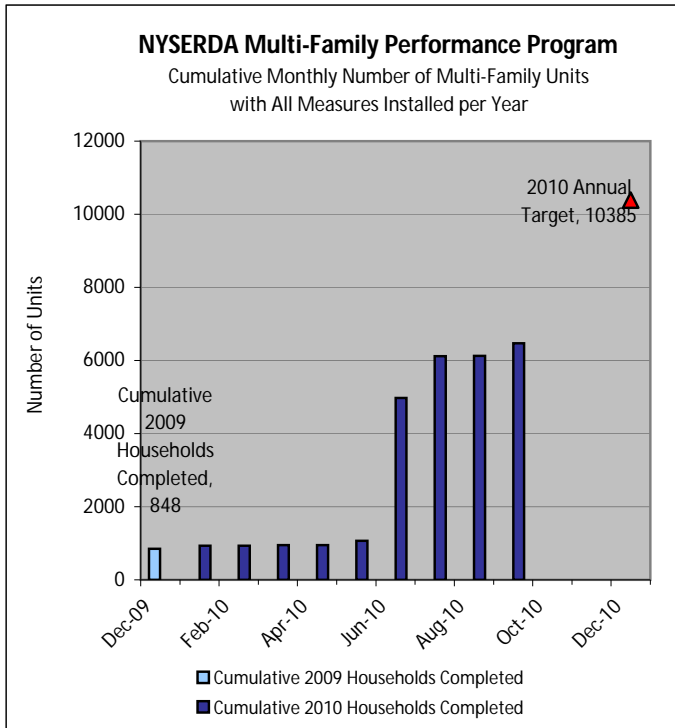
**Assisted Home Performance with ENERGY STAR** - Through the Assisted Home Performance with ENERGY STAR Program, NYSERDA offers an additional incentive, in the form of a subsidy for income-eligible customers. The Program completed 1,686 household units in 2009 and saw a 16% increase in completed household units from 2008 to 2009. This resulted in 55 jobs being supported in 2009.

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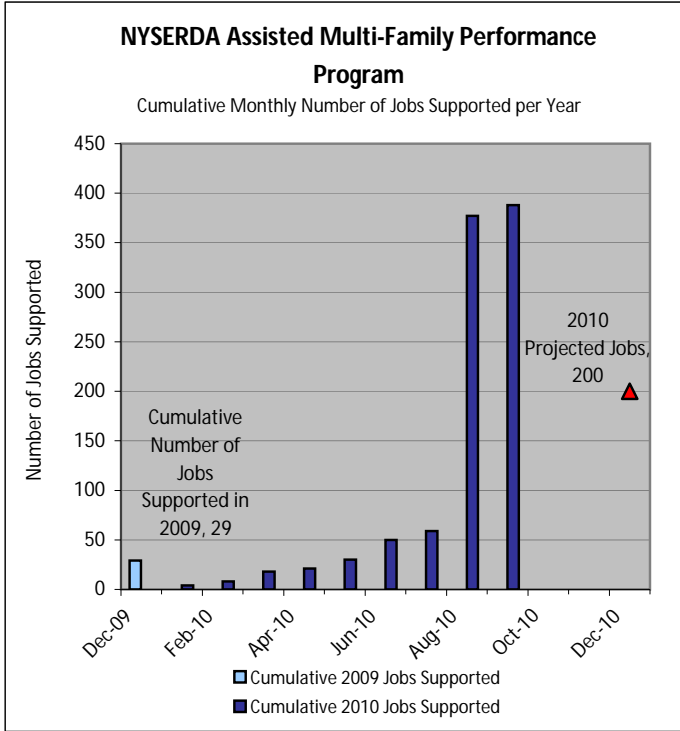
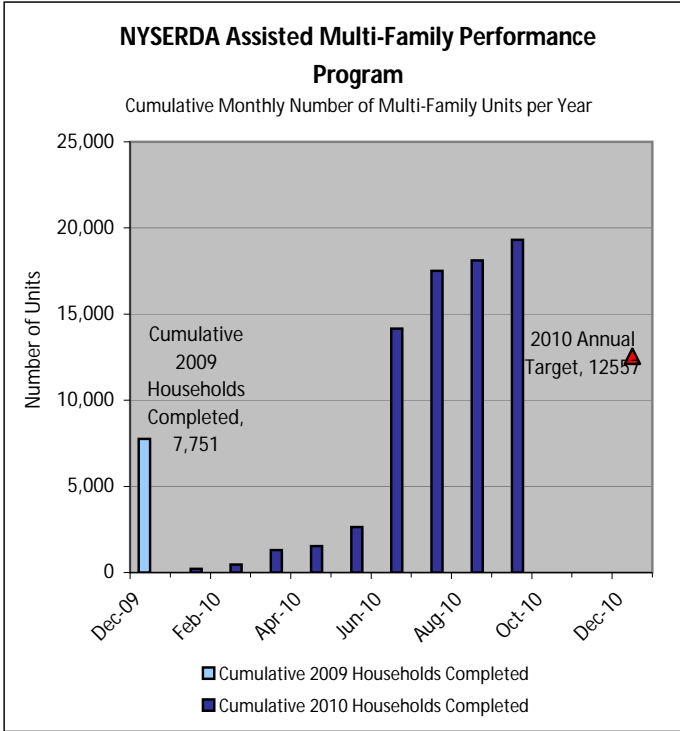
**EmPower New York** - The program provides energy efficiency improvements to households with income at or below 60% of state median. Access to the program is primarily through utility referrals. In 2009, a total of 12,447 household units received retrofit services at an average cost of \$1,669, and savings estimated at \$328 per year. This program also resulted in 163 jobs being supported in 2009. The 2010 annual household target of 9,350 is lower than that for 2009 due to lower levels of funding.

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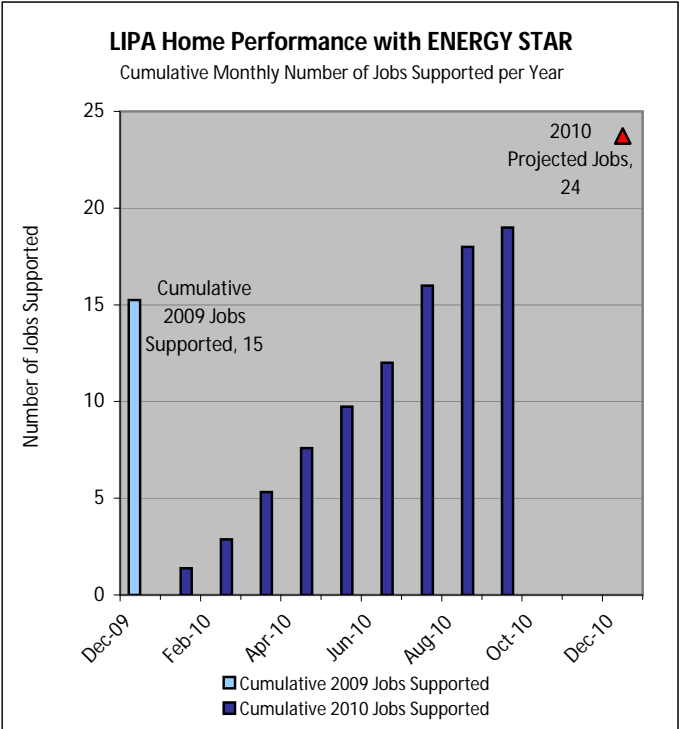
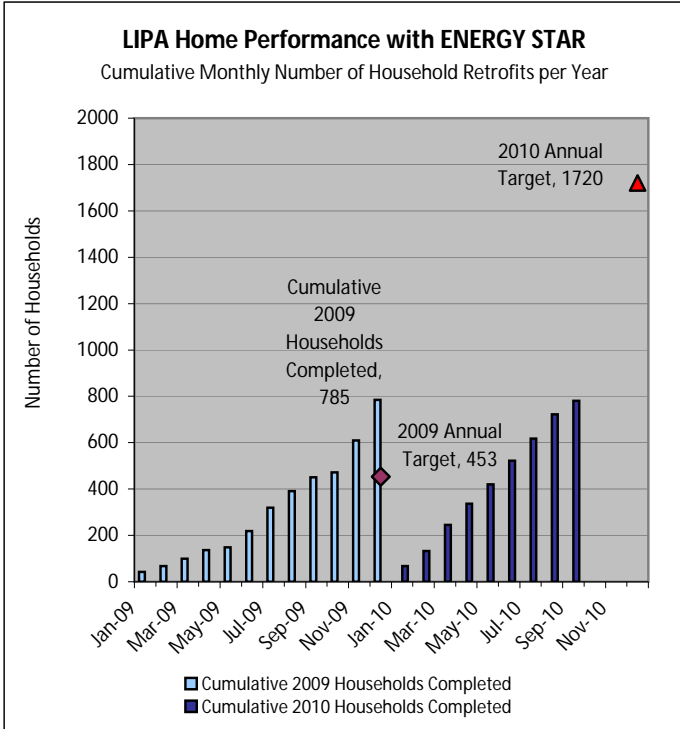
**Multifamily Performance** - Drawing on a partner network, made up of engineers, energy consultants, and other industry professionals, NYSERDA's Multifamily Performance Program uses a customized approach to address the specific energy and operational needs of multifamily buildings. Eligible buildings are required to benchmark their energy performance compared to a set of similar buildings. Depending on their relative rank, they are assigned a performance target to achieve at least a 20% reduction in energy usage. In 2009, the program successfully completed installations of energy saving measures in 848 housing units, and supported 3 jobs.

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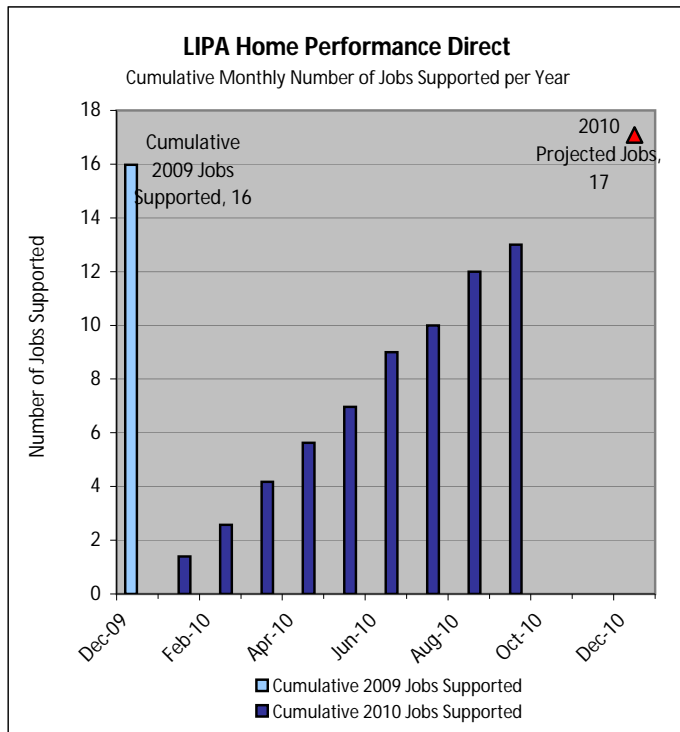
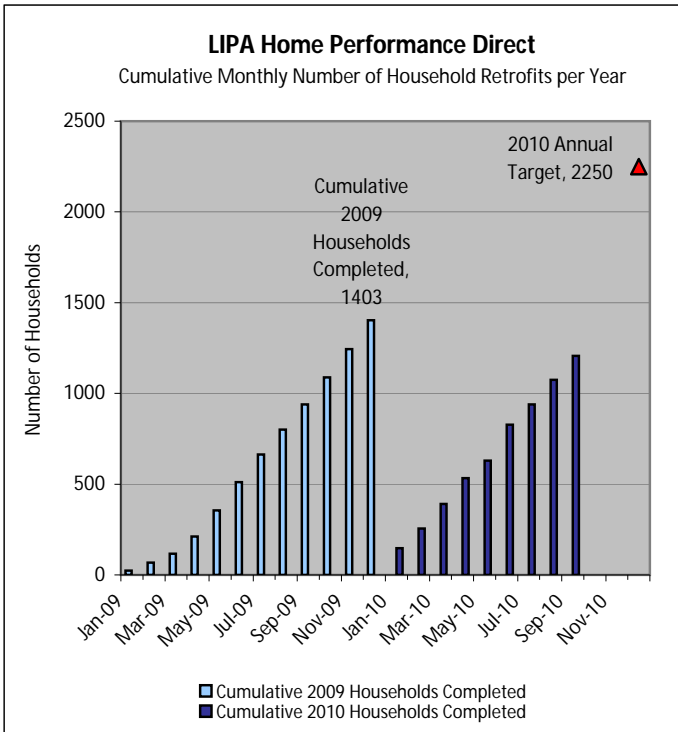
**Assisted Multi-Family Performance** - NYSERDA's Assisted Multi-family Performance Program provides additional incentives over the Multi-family Performance Program for affordable housing buildings. This program successfully completed installations of energy savings measures in 7,751 affordable housing units in 2009 as part of a comprehensive work scope designed to achieve a minimum of 20% energy savings. This also supported 29 jobs.

*(A multiplier of "7 jobs per \$1 million spent" was used to estimate jobs supported. The multiplier only counts the jobs associated with the spending of program dollars and does not consider the employment impacts of: (1) charging ratepayers for program costs; (2) energy savings realized due to equipment installations; or any other employment impacts. The multiplier was derived from using the REMI Model.)*



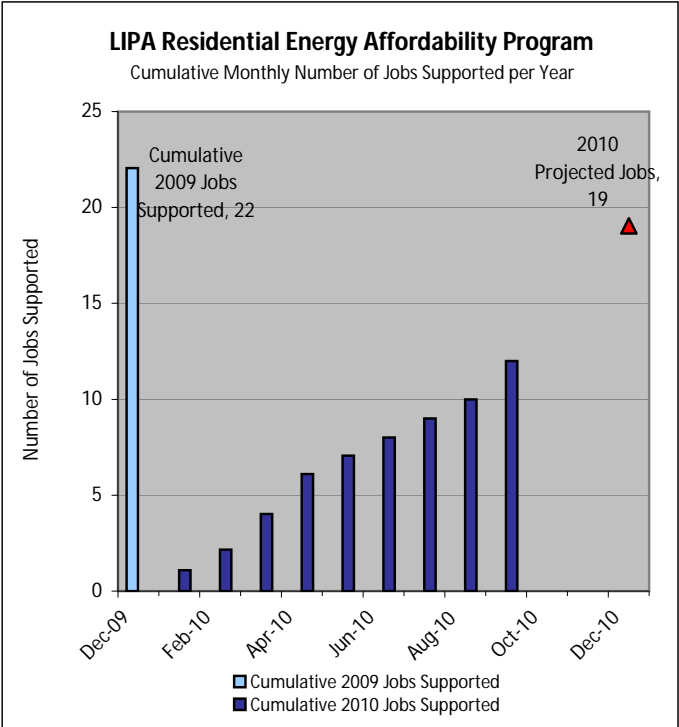
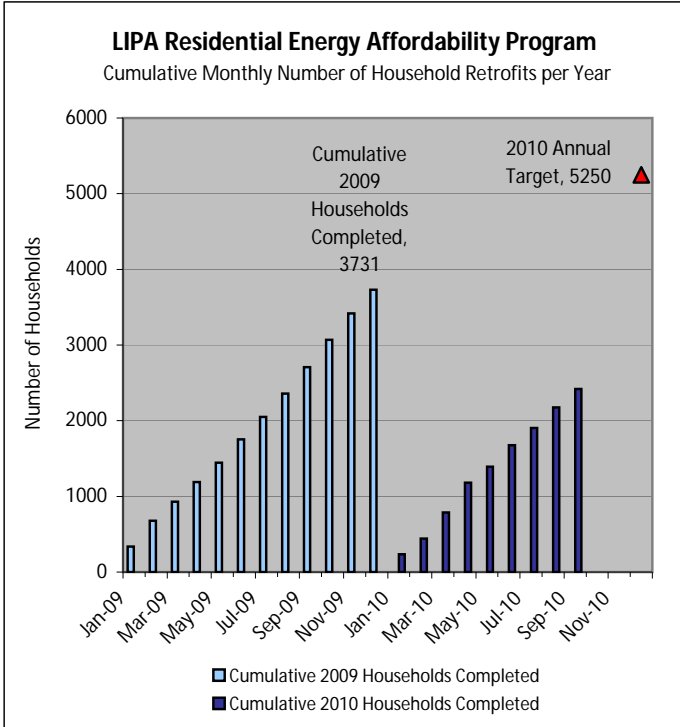
**Home Performance with ENERGY STAR** - The Long Island Power Authority's (LIPA's) Home Performance with ENERGY STAR program uses a network of independent home improvement contractors to take a 'whole-house' approach to testing the energy efficiency of a home and identifying efficiency improvements. Participants are eligible for either a cash-back incentive or low-interest financing. The program was targeted to reach 453 homes in 2009, and the actual number of household units for 2009 was 785. LIPA is targeting 1,720 household units to be completed in 2010. This also supported 15 jobs.

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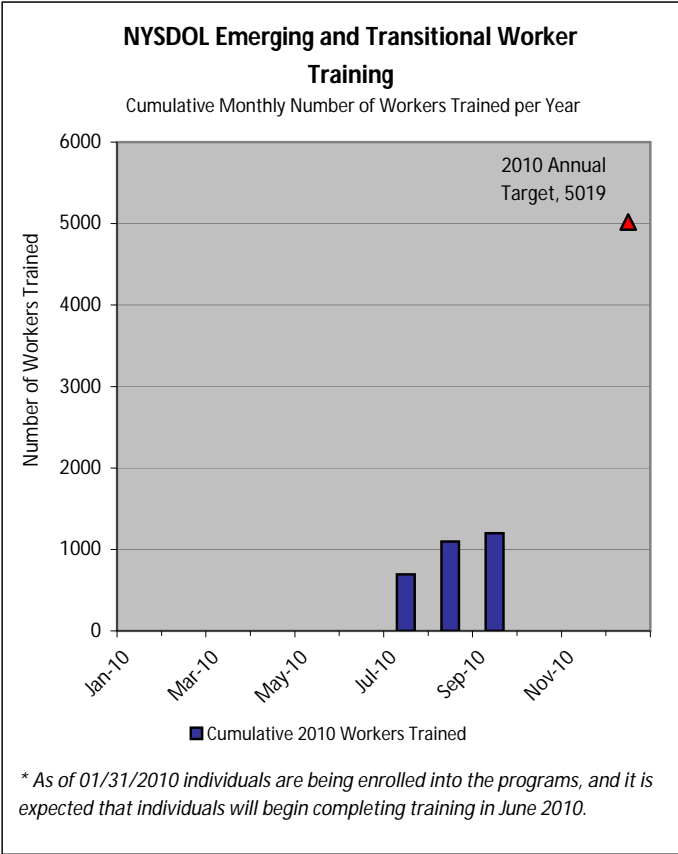
**Home Performance Direct** - LIPA's Home Performance Direct program is offered to electric heat and high central air conditioning use customers at no cost for the initial site visit that includes a Comprehensive Home Assessment and associated direct installation services (lighting installs, air and duct sealing services). Additional follow-on measures are incentivized through LIPA's Home Performance with ENERGY STAR program. In 2009, Home Performance Direct was targeted to reach 1,812 homes. While the actual number of homes for 2009 was 1,403, this pilot program exceeded its megawatt and megawatt-hour goals. The number of jobs at the beginning of the year was low as the program went from one Participating Contractor in January to six by December. LIPA is targeting 2,250 homes to be completed in 2010. This also supported 16 jobs.

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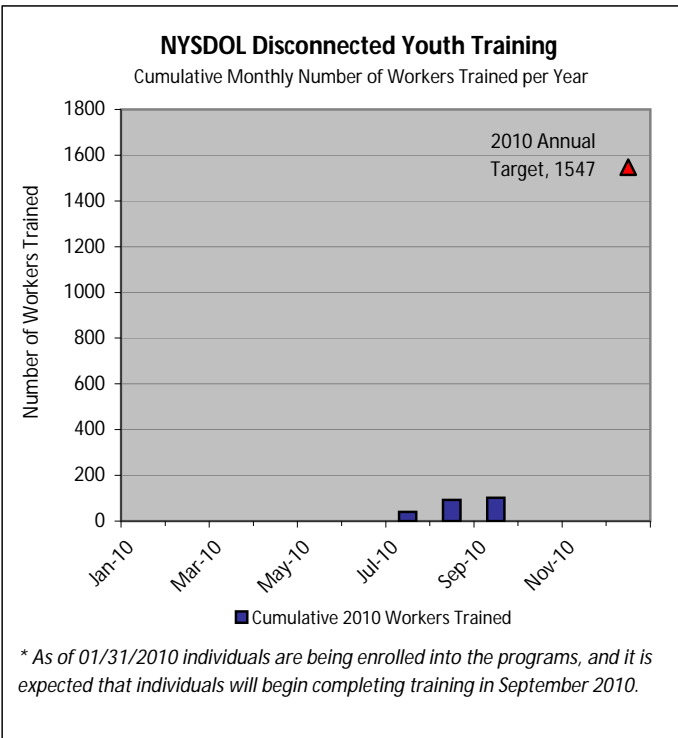


**Residential Energy Affordability** - LIPA's Residential Energy Affordability Program (REAP) delivers cost-effective energy efficient improvements (including replacement of inefficient refrigerators and installation of compact fluorescent light bulbs) and conservation education services to income qualified customers. This program was targeted to reach 4,650 low income customers in 2009, where the actual number of households reached was 3,731. Although this program met approximately 95% of its power and energy goals, it is believed that it fell short of participant goals largely due to the difficulty of having customers self identify as low income. LIPA expects to meet the 2010 goal of 5,250 homes with a combination of enhanced outreach through social service agencies and not for profits. This also supported 22 jobs.

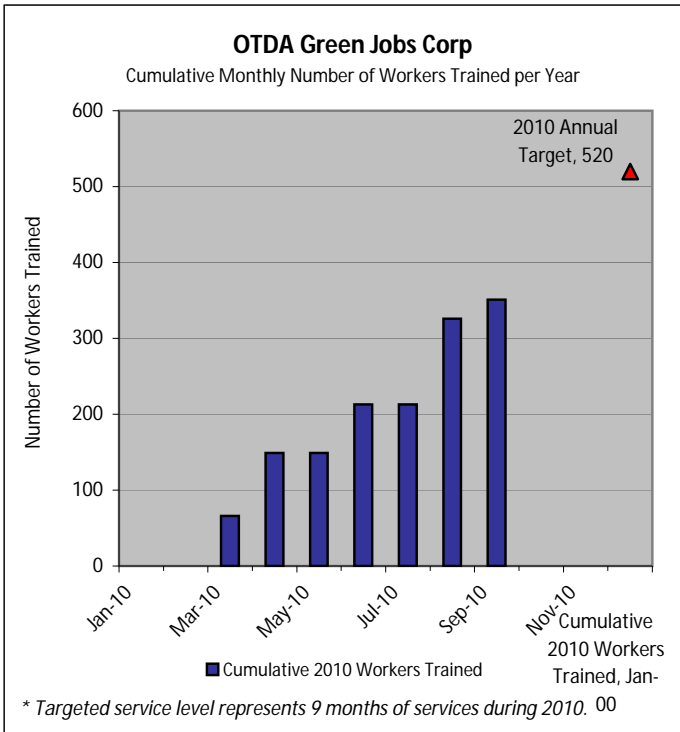
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**Emerging and Transitional Worker Training** – New York State Department of Labor's (NYS DOL's) Emerging and Transitional Worker Training Program provides emerging and transitional workers with the necessary skills and competencies to successfully obtain employment and advance their careers. At the end of calendar year 2009, grants were competitively awarded to 44 applicants totaling approximately \$15 million to train a target of 6,335 individuals in 2010. The training program for 34 of the awardees focused on construction trades with a green component, representing approximately \$12 million to train a target of 5,019 individuals in 2010. As of the end of January, 2010, awardees have begun enrolling individuals into the programs. It is expected that individuals will begin completing training in June 2010. This training program is projected to support 132 jobs. Based on program expenditures as of May 2010, it is estimated that 44 jobs have been supported.

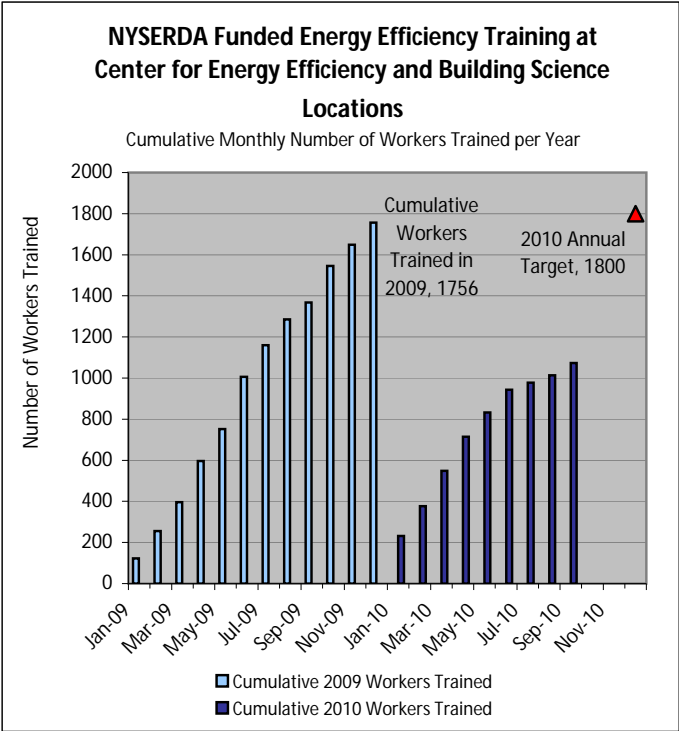


**Disconnected Youth Training** – NYSDOL's Disconnected Youth Training serves disconnected youth by expanding career awareness, providing dropout prevention services and developing the foundation skills and competencies needed to motivate youth to achieve and succeed in their adult and work life. At the end of calendar year 2009, grants were competitively awarded to 24 applicants totaling approximately \$5 million to train a target of 1,737 disconnected youth in 2010. The training program for 14 awardees focused on construction trades with a green component, representing approximately \$3 million to serve a target of 1,547 disconnected youth in 2010. As of the end of January, 2010, awardees have begun enrolling individuals into the programs. It is expected that individuals will begin completing training in September 2010. This training program is projected to support 33 jobs. Based on program expenditures as of May 2010, it is estimated that 16 jobs have been supported.

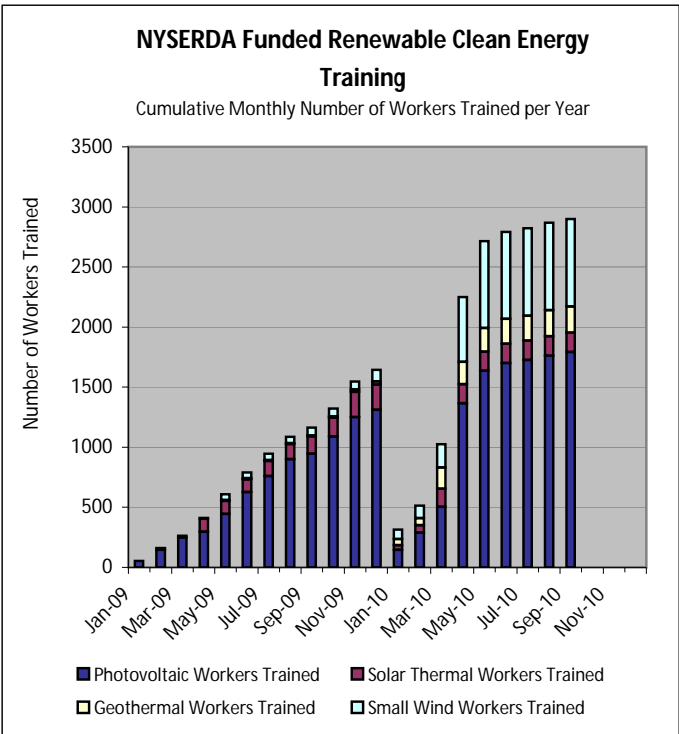


**OTDA Green Jobs Corp** - The Office of Temporary and Disability Assistance (OTDA) Green Jobs Corps program provides targeted occupational skills training, remedial basic education and subsidized employment opportunities to low income individuals to enable them to secure employment in jobs in the green sector. Services are administered through grants provided by OTDA to twelve local social services agencies and are primarily targeted to individuals receiving public assistance. The target number of individuals trained and placed in subsidized jobs for 2010 is 520.

*(Workers Trained data is collected quarterly)*

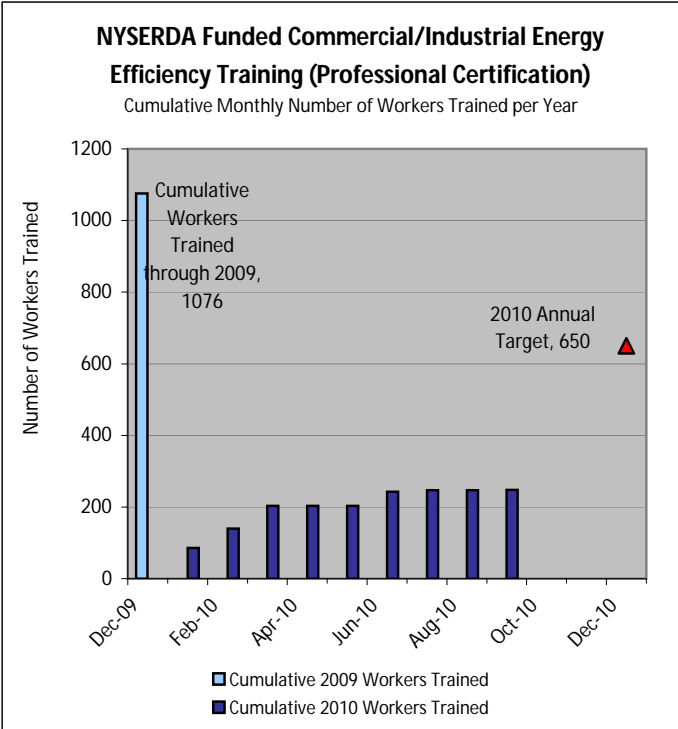


**Energy Efficiency Training Program at Center for Energy Efficiency and Building Science (CEEBS) Locations** - NYSERDA funds have supported residential weatherization and energy efficiency training at Center for Energy Efficiency and Building Science (CEEBS) locations and Renewable Energy Training Centers across the State. Courses include Building Analyst, Envelope Professional, Heating Professional, Cooling Professional, Home Energy Rating System Rater, Multi-family Building Analyst, Sales/Marketing, and Basic Air Sealing/Insulation Pilot training. Participants trained in 2009 totaled 1,756. An additional 1,800 participants will be trained during 2010 to achieve a cumulative target of 3,556 by December 2010.

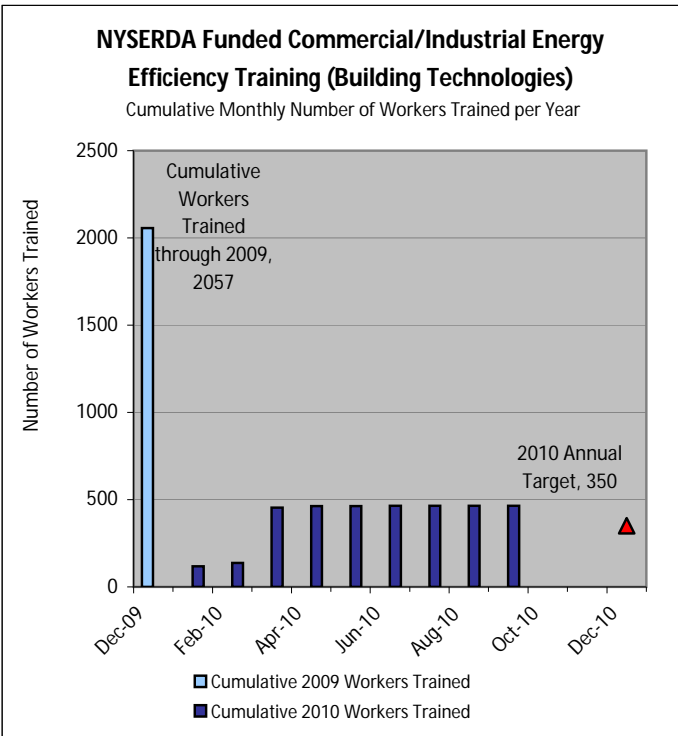


**Renewable Clean Energy Training** - NYSERDA funds have supported solar electric, or photovoltaic (PV), solar thermal, geothermal, and small wind training throughout the State through the development of training curriculum. Introductory courses such as Introduction to PV technology, Electrical Theory for PV, Basic Electrical Theory, Solar Hot Water, Solar Sales, Solar Thermal, basic design and installation of geothermal systems, and installation and operation of small wind turbines have been delivered, along with certification examination preparation courses to help prepare workers to sit for the North American Board of Certified Energy Practitioners certification exam for PV Installers. Participants trained in 2009 included 1,311 for PV, 210 for solar thermal, 26 for geothermal, and 96 for small wind, for a grand total in 2009 of 1613.

Source: NYSERDA



**Commercial/Industrial Energy Efficiency Training (Professional Certification)** - NYSERDA funds helped individuals successfully complete professional certification in energy-related areas including auditing, building operator training, lighting design, heating, ventilation, air conditioning, and refrigeration (HVACR) certification, and building modeling. The cumulative number of participants trained through 2009 is 1,076. An additional 650 participants will be trained during 2010 to achieve a cumulative target of 1,726 trained workers by December 2010.



**Commercial/Industrial Energy Efficiency Training (Building Technologies)** - NYSERDA funds have supported building technology training, offered in partnership with labor unions, professional development organizations, and private training partners. Courses cover topics in green building, data center efficiency commercial kitchen technologies, heating, ventilation, and air conditioning (HVAC) and motor efficiency, lighting design and controls, and schools facilities management. A cumulative number of participants trained through 2009 was 2,057. An additional 350 participants will be trained during 2010 to achieve a cumulative target of 2,407 trained workers by December 2010.

Source: NYSERDA