

The following provides a status update on activities related to the implementation of Green Jobs - Green New York (GJGNY).

**Workforce Development**  
**as of May 31 , 2013**

***PON 1816: Pressure Houses for Field Testing***

The Champlain Valley Technical School (CV-TEC) submitted their revised timeline and finalized blueprints to committee members, the New York State Education Department's Office of Facilities Planning, and their engineering firm, ESE/Zebratech.

Northeast Parent and Child Society (NEPCS) continues renovations on the house to meet the final design plan. Most of the house is rehabbed and painted. NEPCS is in the final process of acquiring quotes for the HVAC, hot water tank, windows and door replacement, in addition to deciding on what Building Performance Institute props will be used in the house and the location of those props within the confines of the building. NEPCS has coordinated one testing session in the house for another NYSERDA training provider, the Institute for Building Technology and Safety (IBTS).

The construction of the "Kelder House," located at SUNY Ulster, is nearly complete and will host an open house to provide tours of the new facility in August 2013.

***PON 1817: Oilheat Technician Training***

Community Power Network (CPN) was funded under PON 1817 to offer oilheat technician training across New York State. To date, CPN has delivered National Oilheat Research Alliance (NORA) Silver Certification to 70 individuals, NORA Tank Certification to 49 individuals, and Combustion Efficiency, A, Venting, and CO training to 69 individuals.

***PON 2033: On-the-job Training***

Under Category A, the Urban Green Council, NYC Chapter of the United States Green Building Council, was funded to offer Green Professional (GPRO) training to six United Association Plumbers Union Locals across New York State. Part of this initiative includes a train-the-trainer session where twelve union trainers from six locals will become certified to teach GPRO to their local membership. The train-the-trainer session will be held July 23-24 in Syracuse, NY with training to UA Plumbers locals taking place through the rest of 2013.

Under Category B, NYSERDA has executed on-the-job training agreements with 38 businesses seeking to hire new employees or advance incumbent workers under GJGNY. As of May 30, 2013, 134 people have been hired from NYS DOL's One-Stop lists, and ten incumbent workers have been advanced due to training. Approximately \$1.25M in wage and training subsidies have been awarded. The average wage of workers hired under the program is \$16.35 per hour.

**Outreach and Marketing**  
**as of May 31, 2013**

As of May 1, 2013, Community Based Organization (CBO) outreach activity has resulted in 469 retrofits. Approximately 43% of the retrofits are Assisted Home Performance jobs, which is higher than the program-wide average.

New activities occurring throughout the CBO regions including:

- PUSH has hired a new Commercial Energy Advocate to recruit and advise businesses interested in GJGNY. Seven small commercial audits were completed in the month of May 2013. PUSH is hoping to engage Home Performance with ENERGY STAR contractors to implement the small commercial/not-for-profit work, since it means that increased volume could support local hiring, employee retention, and living wages. PUSH believes that building envelope measures could be the entry point into commercial work for the cellulose and foam contractors they have been working with in Home Performance.
- Asian Americans for Equality (AAFE) completed a 4-day Chinese-language BPI exam preparation course. The CBO reports that participants are now more familiarized with a wide range of energy efficiency methods and have a better understanding of the work they will be expected to do should they continue to pursue work in this field. Information about additional training programs in English were given to the students should they want further study prior to taking the BPI exam.
- Downtown Manhattan Community Development Corporation (DMCDC) has contracted with Solar One to implement a 40-hour version of the Green Building Maintenance and Operations Course that Solar One developed pursuant to an agreement with NYSERDA. DMCDC will provide an employee/instructor to be trained by Solar One's Green Workforce Training Program for a period of two weeks. The DMCDC instructor will then deliver two five-day training courses at Solar One. Solar One will provide an English-speaking teacher to co-teach the two 40 hour training courses. Training will be provided to building maintenance workers that work in buildings owned and/or managed by Asian Americans for Equality (AAFE), its subsidiaries and affiliates, plus other building operators, owners, and representatives from management companies in the New York Region. DMCDC is recruiting trainees. The Building Operator training will begin on June 20, 2013.
- Neighborhood Housing Services of Jamaica (NHS-J) has developed a working partnership with a local Home Performance contractor who is now referring eligible clients to NHS-J for help with NYS Affordable Housing Corporation (AHC) grant applications. This mutually beneficial relationship between CBO and contractor allows the CBO to reciprocate and refer potential clients to the contractor.
- Neighborhood Housing Services of Staten Island (NHS-SI) promoted the arrival of the Community Environmental Center's EcoHouse with a Grand Opening/Ribbon Cutting Ceremony attracting residents from across Staten Island. This collaboration is reaching residents affected by Superstorm Sandy, encouraging them to consider energy efficiency in their rebuilding plans.
- Affordable Housing Partnership in the Capital Region (AHP) continues to conduct outreach and to enroll HPwES customers through their existing Home Repair Program. As of May 31, 2013, 12 (27%) out of 45 completed retrofits have been made possible through layering with the home repair program. Most of these retrofits would not have occurred without repair program layering. With matching funds through the NYS Affordable Housing Corporation (AHC) grant, AHP is able to match funding for the Assisted HPwES projects and achieve significant retrofits at little or no cost to the homeowner.

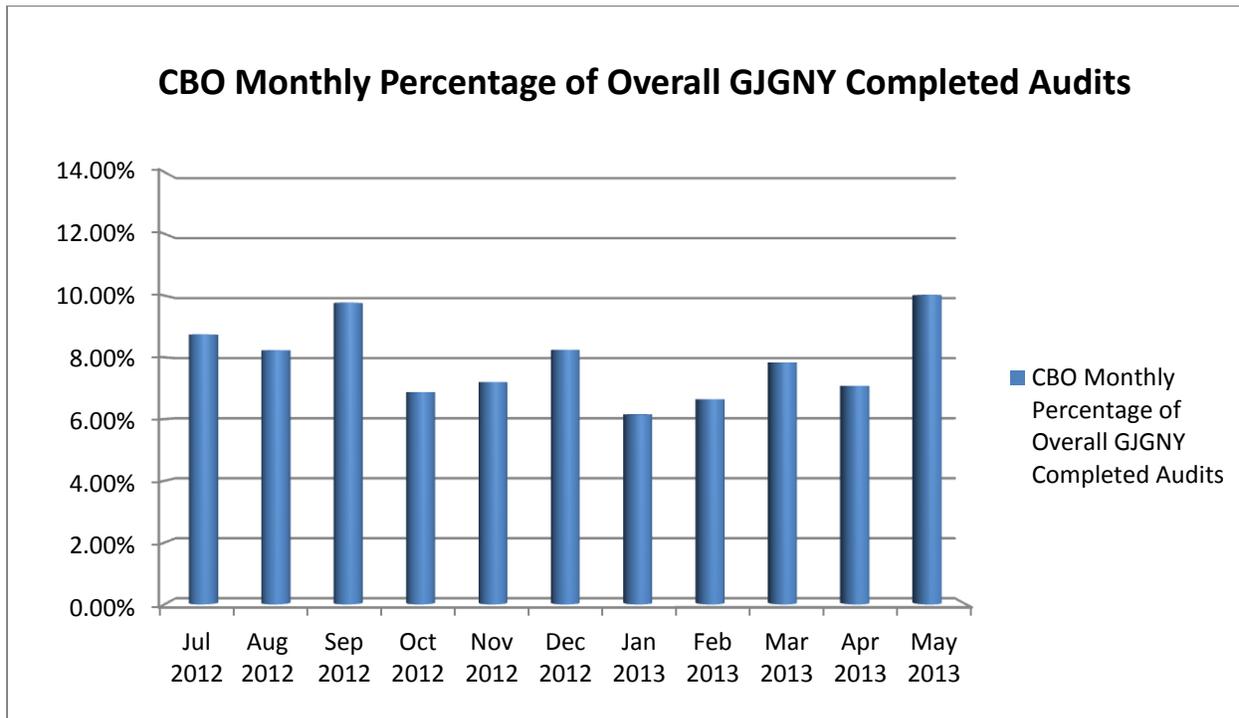
- Rural Ulster Preservation Company (RUPCO) has developed a partnership with Central Hudson. RUPCO received ten residential referrals for the Home Performance with ENERGY STAR Program in Ulster County and about ten more referrals for customers in other counties. Central Hudson customer service representatives are starting to regularly discuss GJGNY with their customers, which has resulted in a steady stream of three to five customer referrals per week. RUPCO has noticed that these customers are extremely motivated to go through the Home Performance process and are quality referrals. Since this partnership is so successful, RUPCO is pursuing a similar partnership with NYSEG.

The monthly CBO webinar was held on May 23, 2013. Topics included:

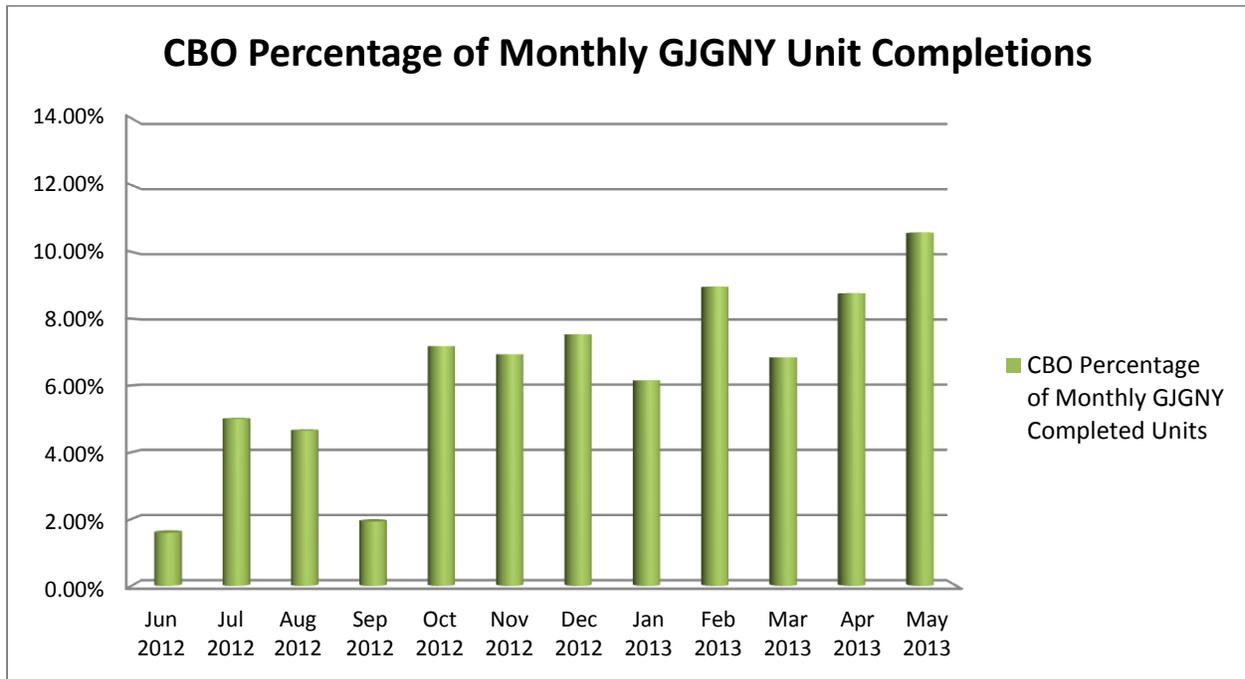
- Overview of the new NYSERDA Low-Rise Program Guidelines (Erik J. Gilbert – Assistant Project Manager, NYSERDA),
- Overview of the Home Performance Work Scope Approval Process (Shelley Leatherwood – Program Operations Supervisor, CSG),
- Overview of Essess high-throughput, infrared technology (Navi Singh – Head of Solutions Delivery, Essess).

A Green Jobs - Green New York financing print, outdoor, and digital ad campaign was developed and deployed. The campaign is aimed at increasing statewide awareness and participation in NYSERDA's residential financing programs, including On-Bill Recovery financing and the Smart Energy Loan Program. The advertisements reinforce the idea that homeowners do not need to sacrifice plans or purchases to afford home energy upgrades. Ads leverage the HPwES Irreconcilable Temperatures campaign to build continuity and support for the HPwES messaging.

<b>One-to-Four Family Homes - Audits</b> <b>Home Performance with ENERGY STAR<sup>®</sup></b> <b>as of May 31, 2013</b>				
		Timeframe	CBO Initiated since 11/1/11 <sup>2</sup>	GJGNY Totals Since 11/15/10 <sup>1</sup>
<b>Received Audit Applications</b>		Month	210	1,970
		Program to Date	3,226	49,510
	<b>Average # of Applications Received per Month</b>		<b>170</b>	<b>1,623</b>
<b>Approved Audit Applications</b>	Free Audit			
		Month	243	2,011
		Program to Date	2,860	42,978
	Reduced Cost			
		Month	15	142
		Program to Date	153	3,519
	<b>Total Approved Audit Applications</b>		<b>3,013</b>	<b>46,497</b>
<b>Average # of Applications Approved Per Month</b>		<b>159</b>	<b>1,524</b>	
2232				
<b>Scheduled Audits</b>	Scheduled Audits as of End of Current Month		<b>87</b>	<b>2,643</b>
<b>Completed Audits:</b>	Completed Audits			
	Free			
<b>Goal: (46,000- Audits)</b>		Month	123	1,269
		Program to Date	1,860	34,054
<b>Budget: (\$14,596,000)</b>	Reduced Cost			
		Month	14	97
		Program to Date	100	2,713
<b>Total Completed Audits</b>		<b>1,960</b>	<b>36,767</b>	
<b>Audit Funds Invoiced to Date</b>				<b>\$9,121,820</b>
<sup>1</sup> GJGNY totals since 11/15/10 are inclusive of CBO initiated activities				
<sup>2</sup> Round 2 CBO production as of 6/1/2012				



<b>One-to-Four Family Homes - Projects Home Performance with ENERGY STAR<sup>®</sup> as of May 31, 2013</b>				
	Timeframe	CBO Initiated since 11/1/11	GJGNY Totals Since 11/15/10 <sup>1</sup>	HPwES Totals Since 11/15/10 <sup>2</sup>
<b>Projects Contracted</b>	<b>To Date</b>	<b>449</b>	<b>9,747</b>	<b>NA</b>
<b>Completed Projects/Units<sup>3</sup></b>				
<b>Assisted</b>				
	Month	16 / 16	117 / 122	139 / 146
	Program to Date	148 / 161	2,813 / 2,994	5,393 / 5,658
<b>Market Rate</b>				
	Month	22 / 24	252 / 256	277 / 282
	Program to Date	239 / 247	6,912 / 7,012	10,618 / 10,764
<b>Total Completed Projects/Units (Project Goal: 15,000)</b>		<b>387 / 408</b>	<b>9,725 / 10,006</b>	<b>16,011 / 16,422</b>
<sup>1</sup> Projects completed resulting from a GJGNY Audit and/or GJGNY Financing				
<sup>2</sup> Total HPwES including GJGNY Projects				
<sup>3</sup> Projects completed and units served resulting from GJGNY				



In May, 1,970 free/reduced-cost comprehensive home assessment applications were received. The conversion rate from audit to energy retrofit remains strong at 34%. The average cycle time from audit completion to project completion is 110 days.

Of the 416 Home Performance with ENERGY STAR® project completions in May, 369 were associated with a GJGNY audit or loan. Thirty-two percent of the May GJGNY HPwES project completions were GJGNY Assisted HPwES customers.

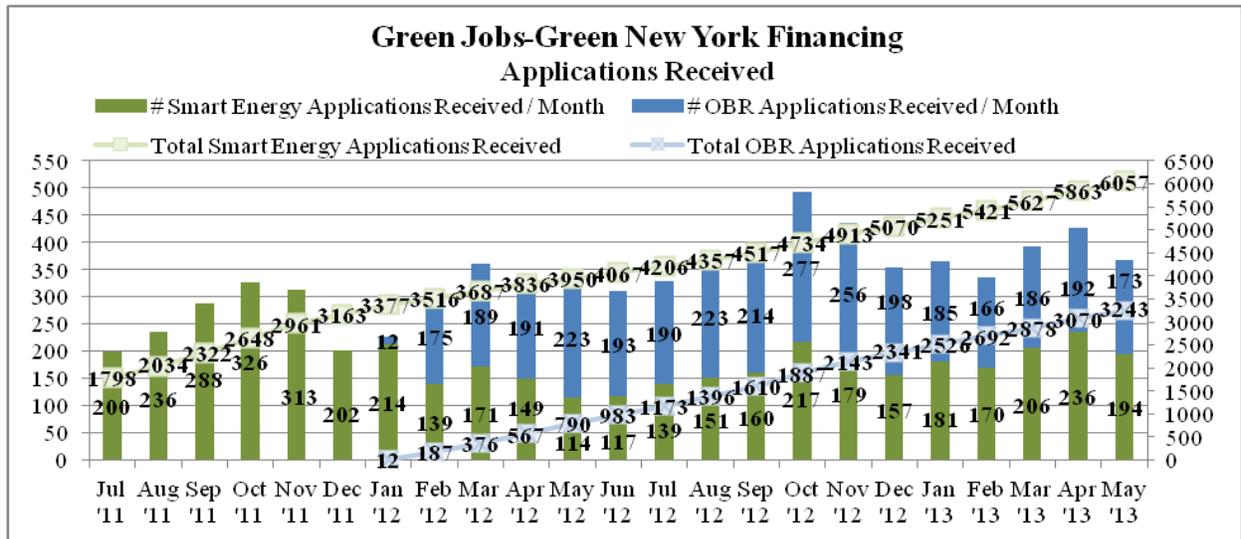
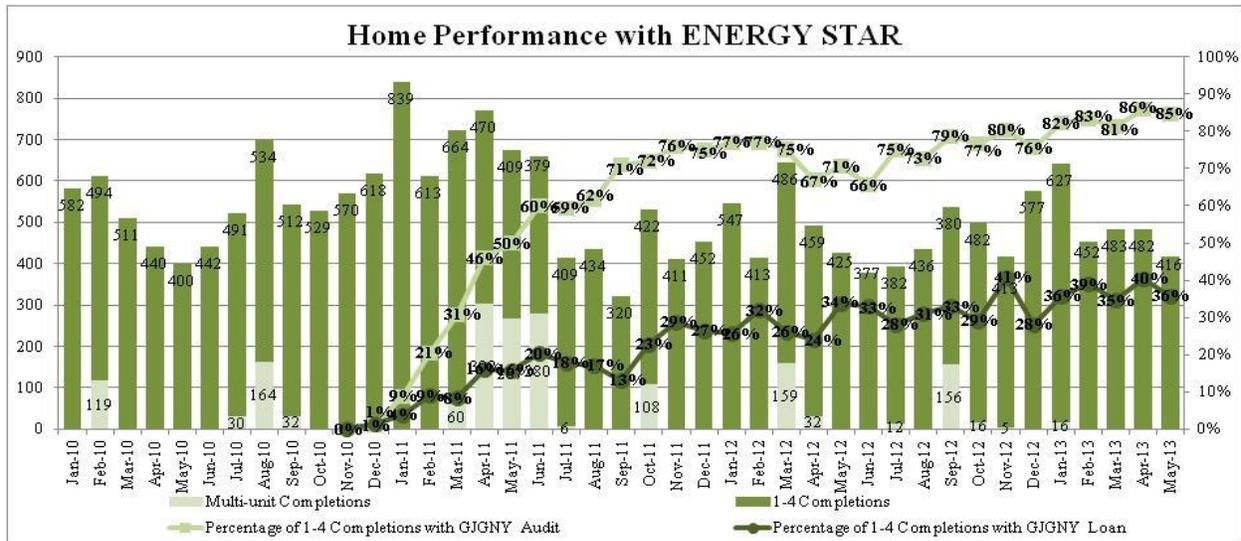
Green Jobs - Green New York Residential Financing as of May 2013								
1- to 4- Family Homes		Loan Product	Applications Received	Applications Approved	Loans Closed			
					Value	Total	Market Rate	Assisted
Tier 1	May	Smart Energy	194	263	\$796,444	77	52	25
		On-Bill Recovery	173	196	\$511,660	55	46	9
	Program to Date	Smart Energy	<b>6,057</b>	<b>3,506</b>	<b>\$21,233,211</b>	<b>2,320</b>	<b>1,728</b>	<b>592</b>
		On-Bill Recovery	<b>3,243</b>	<b>1,756</b>	<b>\$8,302,694</b>	<b>784</b>	<b>633</b>	<b>151</b>
Tier 2	May	Smart Energy	13	21	\$140,240	14	4	10
		On-Bill Recovery	18	11	\$20,857	3	2	1
	Program to Date	Smart Energy	<b>414</b>	<b>353</b>	<b>\$2,482,785</b>	<b>258</b>	<b>112</b>	<b>146</b>
		On-Bill Recovery	<b>258</b>	<b>177</b>	<b>\$826,875</b>	<b>84</b>	<b>36</b>	<b>48</b>
May	Smart Energy	207	284	\$936,683	91	56	35	
	On-Bill Recovery	191	207	\$532,517	58	48	10	
<b>Total</b>			<b>398</b>	<b>491</b>	<b>\$1,469,200</b>	<b>149</b>	<b>104</b>	<b>45</b>
Program to Date	Smart Energy	6,057	3,859	\$23,715,996	2,578	1,840	738	
	On-Bill Recovery	3,243	1,933	\$9,129,569	868	669	199	
<b>Total</b>			<b>9,300</b>	<b>5,792</b>	<b>\$32,845,565</b>	<b>3,446</b>	<b>2,509</b>	<b>937</b>

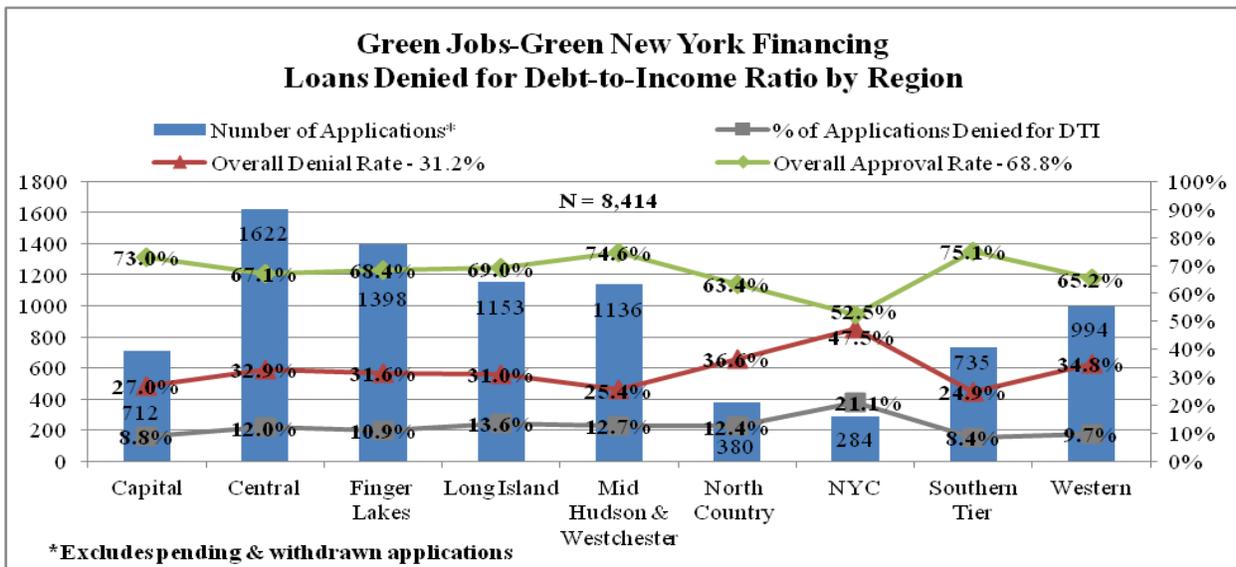
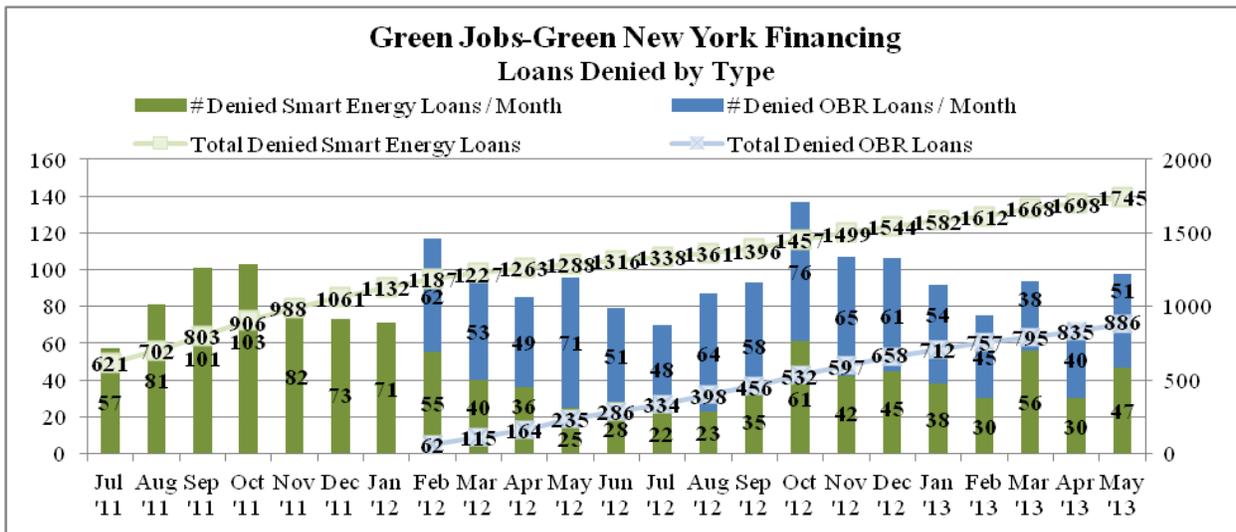
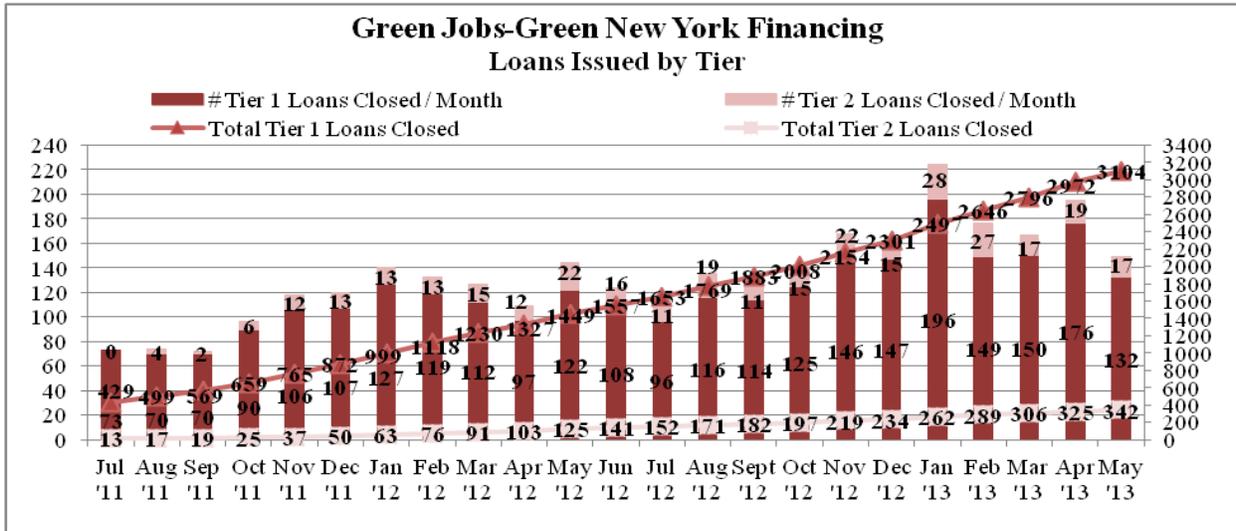
Smart Energy		Financing Summary	On-Bill Recovery	
Tier 1	Tier 2		Tier 1	Tier 2
2,320	258	Loans Closed*	784	84
\$21,233,211	\$2,482,785	Value*	\$8,302,694	\$826,875
\$9,152	\$9,623	Average Loan*	\$10,590	\$9,844
12.0 Years	13.3 Years	Average Term*	14.5 Years	14.3 Years
N/A	N/A	2.99%	92.60%	95.24%
81.47%	78.29%	3.49%*	7.40%	4.76%
18.53%	21.71%	3.99%*	N/A	N/A
68.86%		Approval Rate**	68.57%	
23.11%		Denial Rate**	26.29%	
8.03%		Denied Tier 1-did not pursue Tier 2**	5.14%	
* Refers to closed loans only				
** Does not include applications pending review or withdrawn.				

In 2010, NYSERDA received \$40 million in ARRA BetterBuildings funding that leveraged \$112 million in GJGNY (RGGI) funding. NYSERDA allocated \$900,000 from the BetterBuildings award to the utilities participating in On-Bill Recovery; funds were made available to offset the costs associated with billing system upgrades necessary to accommodate OBR Loans.

Below is a summary of NYSERDA's reimbursements to OBR utilities pursuant to the Billing Services Agreements.

	<u>Funding Available</u>	<u>Costs Submitted</u>	<u>Paid</u>	<u>Funding Balance</u>	
<u>Central Hudson</u>	\$24,091	\$104,116	\$24,091	\$0	
<u>ConEd</u>	\$268,026	\$253,609	\$253,609	\$14,417	pending invoice
<u>LIPA</u>	\$89,802	\$955,518	\$89,802	\$0	
<u>National Grid</u>	\$400,000	\$396,172	\$396,172	\$3,828	
<u>NYSEG</u>	\$70,557	\$68,380	\$68,380	\$2,177	
<u>O&amp;R</u>	\$18,040	\$11,250	\$11,250	\$6,790	
<u>RG&amp;E</u>	\$29,484	\$29,770	\$29,484	\$0	
	<u>\$900,000</u>	<u>\$1,818,815</u>	<u>\$872,788</u>	<u>\$27,212</u>	





**Green Jobs-Green New York Financing**  
**Loans Transferred from OBR to Smart Energy**  
**May 31, 2013**

Smart Energy Loan Status	# of Loans
PreApproved	23
Loan Approved	51
Loan Sold	203
Loan Withdrawn	16
Loan Denied	4
No Loan - Subsidy Only	10
<b>Total # Loans Transferred</b>	<b>307</b>

*20 loans transferred in May*

13.7% of PreApproved OBR Loans  
were transferred to Smart Energy

<b>Multifamily Audit Status</b>				
<b>as of May 31, 2013</b>				
	Affordable Housing	Market Rate Housing	Totals	Budget/Goal
Number of Audit Applications	124	109	233	500
Audit Funds Encumbered	\$1,595,855	\$734,358	\$2,330,213	
Audit Funds Invoiced	\$946,660	\$486,728	\$1,433,388	\$3,000,000
Audits Completed	87	92	179	400
Number of Projects withdrawing from MPP after audit*	15	22	37	
Number of Projects in Pipeline**	93	74	167	
Projects Contracted (to have measures installed)	60	48	108	
Households (HH) associated with Projects Contracted	10,531	11,461	21,992	
kWh Savings of installed measures†	9,261,158	797,972	10,059,129	
MMBtu Savings of installed measures†	105,376	61,820	167,195	
Dollar savings of installed measures†	\$3,513,879	\$916,214	\$4,430,093	
<p><i>*MPP Projects must achieve a minimum of 15% in energy savings. Projects may choose to proceed outside MPP. Some may chose smaller work scopes which will not achieve program standard and thus not be eligible for MPP and some may elect to access utility incentives. If energy efficiency projects are completed, building owners that have an authorized audit would still be eligible to apply for GJGNY financing.</i></p> <p><i>**Projects that receive GJGNY-supported audits and/or financing may also receive incentives through the System Benefits Charge (SBC), Energy Efficiency Portfolio Standard (EEPS), Regional Green House Gas Initiative (RGGI), and/or utility programs, such that the projects' energy savings may not all be attributable solely to GJGNY.</i></p> <p><i>*** The Operating Plan expresses anticipate energy and dollar savings on an average per project basis.</i></p>				

The Multifamily Performance Program has processed 233 audit applications. GJGNY Financing has received nine loan packages. There have been eight loan Participation Agreements executed. Of the eight executed Agreements, six loans have closed. We have continued to develop on an on-bill product.

<b>GJGNY Multifamily Building Owner Financing</b>		
<b>Project</b>	<b>Total Loan</b>	<b>NYSERDA Amount</b>
2249 - 2255 Delaware	\$ 141,599.00	\$ 48,250.00
340 East 51st Street	\$ 264,548.50	\$ 127,541.00
Alberta Square	\$ 175,141.00	\$ 87,570.50
Bryant Place Apartments	\$ 200,000.00	\$ 78,607.00
Carnegie House	\$ 1,000,000.00	\$ 500,000.00
UA Roosevelt	\$ 4,435,900.00	\$ 500,000.00
Vincent Apartments	\$ 765,800.00	\$ 382,900.00
Wexford Terrace	\$ 500,000.00	\$ 250,000.00
Whispering Woods	\$ 75,000.00	\$ 37,500.00

<h3 style="margin: 0;">Small Business/Not-for-Profit</h3> <h4 style="margin: 0;">as of May 31, 2013</h4>
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<b>Audits (program to date)</b>			
	<b>Total</b>	<b>GJGNY</b>	<b>ARRA<sup>1</sup></b>
Completed Applications	2,737	1,878	859
Completed Audits	2,368	1,621	747
<b>Financing (program to date)</b>			
Participating Lenders	6		
<b>Loan Status</b>		<b>NYSERDA Share of Total Loan Value</b>	<b>Total Loan Value<sup>3</sup></b>
Applications Approved <sup>2</sup>	17		\$ 620,590
Participation Loans	17	\$ 306,280	\$ 620,590
On-Bill Recovery	10	\$ 344,824	\$ 344,824
Loans Closed	4		
Participation Loans	4	\$ 89,849	\$ 207,578
On-Bill Recovery		\$ -	\$ -

<sup>1</sup> The GJGNY Act of 2009 restricts the provision of GJGNY-funded energy assessments to small business and not-for-profit organizations with 10 employees or less. ARRA funds are used for eligible small business and not-for-profit organizations that have more than ten employees.

<sup>2</sup> Customer applications are assessed for both Participation Loan and On-Bill Recovery Loan eligibility prior to approval.

<sup>3</sup> The total loan value represents the total value of the loan issued by the lender to the borrower. The total loan value may include financing for non-energy efficiency projects. NYSERDA's share of the total loan value represents 50% of the total energy efficiency project cost or \$50,000, whichever is less.

The Small Commercial Energy Efficiency Program is working to better understand and continue to expand project implementation resulting from energy assessments. This includes improving the communication of energy assessment results to small business and not-for-profit customers, providing additional follow-up services to support implementation, assisting in the development of an independent evaluation of the Program, and increasing outreach to lenders in order to raise lender awareness and increase lender participation in Small Commercial Energy Efficiency Financing made available by GJGNY. In addition, the Small Commercial Energy Efficiency Program is currently seeking firms to provide energy assessments with expanded and strengthened implementation assistance services for small business and not-for-profit customers for the next phase of the Program through Request for Proposals (RFP) 2621.

### Evaluation as of May 31, 2013

Three major evaluation projects are currently underway: a jobs impacts assessment, a market/process evaluation of Community Based Organization (CBO) initiatives, and a market/process evaluation of Small Business/Not-for-Profit initiatives. The status of each project is described below.

The job impacts assessment is using a two-phased approach. Phase 1 involves primary data collection via telephone surveys of various GJGNY market actors. The Phase 1 data collection is nearly complete and data analysis has begun. The data collected in Phase 1 will inform Phase 2, a macroeconomic assessment of indirect jobs. Phase 2 of this evaluation is planned to commence in June 2013. NYSERDA will work toward having preliminary results of the job impact assessment in late 2013, pending data collection and analysis progress in the near term.

The CBO initiative evaluation is using case studies and in-depth interviews of the CBOs to explore various program objectives and to understand the success and barriers experienced by CBOs. The interviews commenced in late April 2013 and are planned to continue through June 2013. NYSERDA will work toward having preliminary results in late July 2013. In addition to the case studies and in-depth interviews currently underway, CBO-related activities will be evaluated as a part of the HPwES process evaluation planned for later in 2013. Data collection through the HPwES evaluation will allow CBOs additional time to generate retrofit projects and will limit the survey burden on HPwES participants and contractors.

The Small Business/Not for Profit evaluation is also a phased approach. Phase 1 is underway, and primary data collection via interviews of participating lenders is complete. Telephone surveys of participants are planned to commence in early June 2013. Secondary research to characterize the small commercial and not-for-profit programs offered in New York and other jurisdictions continues. The scope of Phase 2 is under development and is planned to include research with non-participating small commercial and not-for-profit organizations, lenders, and loan originators.