

New York State Energy Research and Development Authority

Green Jobs – Green New York March 2015 Monthly Update

Period ending March 31, 2015

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Program Description

Green Jobs – Green New York provides funding for energy assessments, low-cost financing for energy upgrades, and technical and financial support to develop a clean energy workforce. GJGNY is a statewide effort to strengthen communities through energy efficiency and uses constituency-based organizations to support program outreach in underserved communities. GJGNY enables New Yorkers to make a significant difference in homes, businesses and neighborhoods—making them more comfortable, more sustainable, and more economically sound. GJGNY is administered by NYSERDA and made available by the [Green Jobs – Green New York Act of 2009](#).

1 Workforce Development

The Green Jobs – Green New York Program supports a broad range of education and training programs aimed at creating an experienced green collar workforce. This workforce will have the relevant skills and credentials needed to support New York State’s growing clean energy economy. The workforce training programs help meet the demand for energy efficiency and renewable energy measures and technologies. Through public-private partnerships, Workforce Development Programs fund the development and delivery of cutting-edge training programs, and provide financial support to those who wish to pursue new career training, professional certifications and critical on-the-job training.

Training Program Updates

Clean Energy Technical Training

Through March 2015, NYSERDA’s GJGNY training partners have trained more than 3,100 individuals in courses including solar thermal installation, introductory photovoltaic training, advanced air sealing, pressure diagnostics, BPI Basic Air Sealing and Insulation, oil heat technology, and thermography. Training partnerships include public and private educators, professional associations, and not-for-profits. In addition, NYSERDA supported more than 40 individuals in earning 72 Building Performance Institute certifications—many of whom completed field testing at NYSERDA-sponsored pressure houses across the state.

The Building Performance Contractors Association (BPCA) will deliver two sessions of the popular “Learning to S.E.E. (Sell Efficiency Effectively)TM” workshop in New York City in April 2015. The course is offered through a two-day workshop focused on selling efficiency that features concepts from the award-winning, weeklong Efficiency Sales ProfessionalTM Certificate Boot Camp. The first session will take place April 16 and 17 from 9:00 a.m. to 5:00 p.m. and the second is scheduled for April 23 and 24 from 9:00 a.m. to 5:00 p.m.

Over the past three years, NYSERDA has provided funding to Community Power Network (CPN), a contractor providing training for oil heat industry technicians. To date, a total of 772 technicians have been trained in topics including combustion efficiency, advanced oil tank installation, and combustion air and venting. CPN has utilized a portable NYSERDA-funded equipment trailer to provide an advanced class in oil burner and electrical module installation/troubleshooting with hands-on practice for technicians. CPN plans to schedule two training sessions for May 2015.

On-the-Job Training for Clean Energy

From June 2011 through December 2014, NYSERDA partnered with 59 businesses who hired a total of 263 New Yorkers for technical jobs in the energy efficiency and renewable energy fields under GJGNY; the average wage was \$16.99 per hour. The full budgeted amount of \$1,700,000 was expended.

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The on-the-job training (OJT) initiative advanced the clean energy skills of new workers, provided valuable job-related experience, and connected new workers to employers. The program also supported businesses in developing a more structured approach to OJT and, as a result, many businesses attest that they were able to promote their existing staff to more advanced positions and experienced a higher rate of employee retention.

The program re-opened on February 13, 2015 using SBC funds to support new hires in emerging and underutilized technology areas including solar thermal, biomass, and air and ground-sourced heat pumps. Program staff will continue to assess labor needs in the market and may add limited GJGNY funds as specific gaps are identified.

2 Outreach and Marketing

GJGNV Outreach and Marketing provides for community-based outreach, enabling one-on-one assistance with the process of participating in the GJGNV Program. This, combined with both print and electronic statewide marketing initiatives, increases the reach of the program, particularly among disadvantaged populations and those not traditionally participating in energy-efficiency programs.

2.1 Outreach Activities

Community-based organizations (CBOs) continue to assist customers to access the Home Performance with ENERGY STAR program (HPwES) offered through Green Jobs-Green New York. Through March 2015, CBOs are responsible for 5,014 completed assessments resulting in 1,500 completed retrofits. Approximately 53 percent of those retrofits were for Assisted HPwES customers who have a household income of up to 80 percent of the county median income.

Figure 2-1. CBO Percentage of GJGNV Completed Assessments.

Figure 2-1 provides percentages of GJGNV residential assessment completions by quarter that were initiated by CBOs.

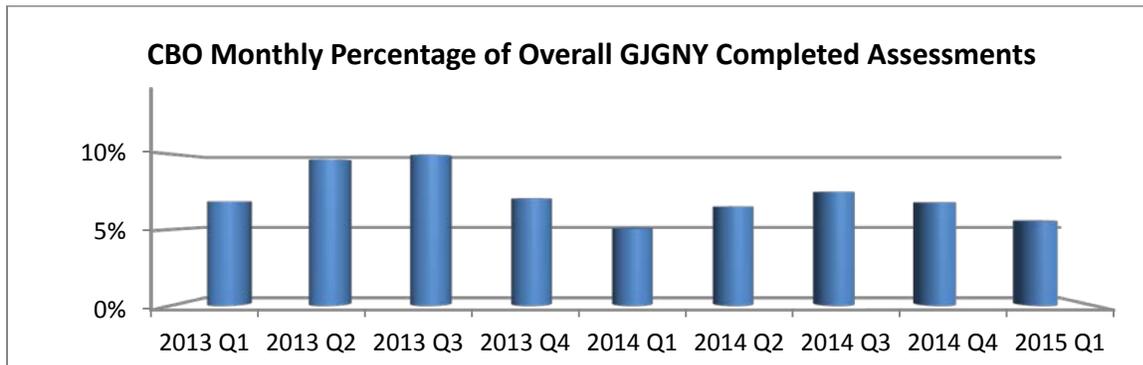
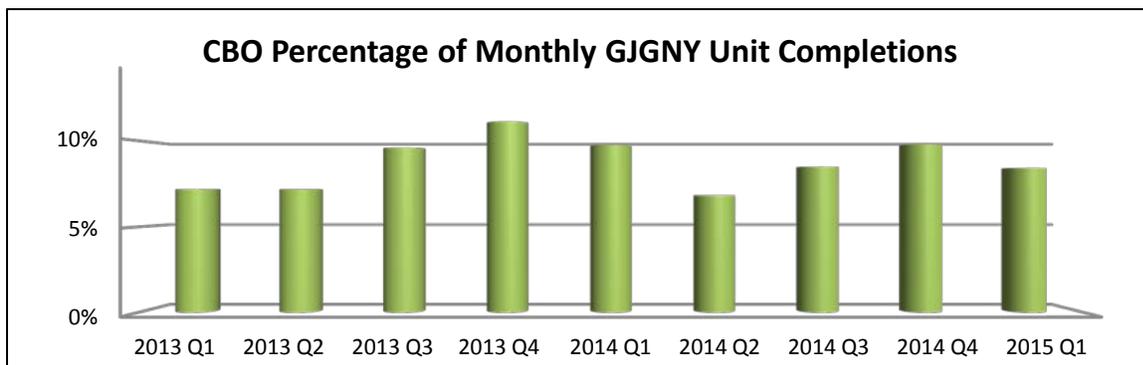


Figure 2-2. CBO Percentage of GJGNV Unit Completions.

Figure 2-2 provides percentages of project (by number of units) completions by quarter that were initiated by CBOs.



CBO Contract Extensions

On March 2, 2015 NYSERDA informed the GJGNY Advisory Council that it was extending successful CBO contracts for the GJGNY Outreach Program through June 2016 to ensure that there is no gap in community outreach services between the current CBO contracts and the new community approaches to be developed under the proposed Clean Energy Fund (CEF). As a result of the announcement, NYSERDA program staff has drafted proposed budgets for the CBO contract extensions for approval by senior management. These budget projections were calculated using the current contract funding and do not include the performance payment. The only CBO excluded from this process was Neighborhood Housing Services of Jamaica, whose current contract end date extends past June 30, 2016.

CBO Monthly Webinar

A monthly CBO Webinar was held on March 26, 2015. Topics included:

- Overview of outreach techniques;
- Other important strategies and pilots, including Central Hudson Partnership (gas conversion customers), outreach to contractors, Building Performance Contractors Association meetings, results and impacts on marketing strategies resulting from Rural Ulster Preservation Company's (RUPCO) Home Performance Survey, RUPCO's Save Energy Campaign, blending funding sources - Community Development Block Grant and AHC funds, and working to align with Cleaner Green Communities recipients on Solarize campaigns adding energy efficiency as an option;
- An overview of the new NYSERDA contractor Help Support System;
- New NYSERA Contractor Scoring System;
- Summary of new HPwES Program Changes, including Assisted Home Performance income level changes, and Conservation Services Group field staff changes.

2.2 Marketing Activities

In December 2015, New York State issued a new comprehensive brand architecture and guidelines that impact how NYSERDA is represented across all channels. As part of this change, a new Independent Contractor (IC) logo has been developed for NYSERDA independent contractors and subcontractors, which applies to CBOs as independent contractors to NYSERDA. All independent contractors and subcontractors are required to adopt this graphic identity. To assist the CBOs, NYSERDA will create these new logos, using the CBOs company logo.

3 One- to Four-Family Residential Buildings Program

NYSERDA's Home Performance with ENERGY STAR® (HPwES) program offers homeowners in New York State a comprehensive, whole-house approach to improving energy efficiency and home comfort while saving money. Participating Home Performance contractors accredited by the Building Performance Institute (BPI) conduct energy assessments and upgrades. Income-qualified homeowners are eligible for additional incentives to make energy improvements.

3.1 Home Performance with ENERGY STAR® Assessments

Through March 2015, from the 91,844 approved assessment applications, 69,976 (76 percent) assessments have been completed.

In the month of March, 3,155 free/reduced-cost comprehensive home energy assessment applications were received. The conversion rate from assessment to energy retrofit is 30 percent. The average cycle time between assessment completion and project completion is 110 days.

Table 3-1. Home Performance with ENERGY STAR Assessments.

Table 3-1 provides HPwES monthly and cumulative assessment figures.

Timeframe	CBO Initiated since 11/1/11a	GJGNY Totals since 11/15/10 b	
Received Audit Applications			
March	215	3,155	
Program to Date	8,147	96,670	
Average Number of Applications Received per Month	199	1,841	
Approved Audit Applications			
Free			
March	217	2,924	
Program to Date	7,448	84,808	
Reduced Cost			
March	25	265	
Program to Date	413	7,036	
Total Approved Audit Applications	7,861	91,844	
Average Number of Applications Approved Per Month	192	1,749	
Scheduled Audits			
Scheduled Audits as of End of Current Month	111	5,540	
Completed Audits			
Goal: (77,500-Audits)	Free		
	March	72	1,730
	Program to Date	4,744	64,793
	Reduced Cost		
	March	3	169
	Program to Date	270	5,183
Total Completed Audits	5,014	69,976	
Audit Funds Invoiced to Date		\$17,749,510	
^a Round 2 CBO production as of 6/1/2012. ^b GJGNY totals since 11/15/10 are inclusive of CBO initiated activities.			

3.2 Home Performance with ENERGY STAR® Projects

Of the 19,480 projects completed through HPwES resulting from a GJGNY assessment and/or GJGNY financing, 6,205 (32 percent) projects are associated with income-qualified customers who have a household income of up to 80 percent of the county median income.

In March 2015, there were 502 HPwES project completions. Of the 502 HPwES project completions, 458 (91 percent) were associated with a GJGNY assessment or loan. Thirty-six percent of the February GJGNY HPwES project completions were for income-qualified customers who have a household income of up to 80 percent of the state or county median income.

Table 3-2. Home Performance with ENERGY STAR Projects.

Table 3-2 provides HPwES monthly and cumulative project figures.

Timeframe	CBO Initiated since 11/1/11	GJGNY Totals since 11/15/10^a	HPwES Totals since 11/15/10^b
Projects Contracted			
To Date	1,572	19,713	NA
Completed Projects/Units^c			
Assisted			
March	30 / 30	167 / 169	188 / 192
Program to Date	669 / 787	6,205 / 6,552	9,826 / 10,290
Market Rate			
March	2 / 2	291 / 295	314 / 318
Program to Date	660 / 713	13,275 / 13,435	17,654 / 17,867
Total Completed Projects/Units (Project Goal: 25,000)	1329 / 1500	19,480 / 19,987	27,480 / 28,157
^a Projects completed resulting from a GJGNY Audit and/or GJGNY Financing. ^b Total HPwES including GJGNY Projects. ^c Projects completed and units served resulting from GJGNY.			

3.3 One- to Four-Family Residential Buildings Financing

GJGNY provides two loan options for consumers: On-Bill Recovery (OBR) loans, which enable customers to make payments through their utility bills; and Smart Energy loans, unsecured loans that are paid back directly to NYSERDA's loan servicing contractor. Both loans offer expanded credit qualification criteria (Tier 2) enabling some applicants who would not qualify for a loan based on more traditional criteria (Tier 1) to qualify for GJGNY loans.

The month of March had the highest number of applications received by the GJGNY financing program-to-date. The number of applications received in March increased 221 percent over the monthly average and was 38.4 percent higher than the next highest month. In addition, the first two Renewable Heat NY financing applications were received in March.

As enacted in the FY 2015-16 New York State budget, the Green Jobs-Green New York (GJGNY) loan program has been extended through March 31, 2016 for all customers previously eligible for the program, which includes renewables. NYSERDA will use this transition period to obtain additional stakeholder input on potential GJGNY program changes.

Of the 8,144 Residential GJGNY Loans closed to date, 26.3 percent are for Assisted HPwES customers, representing 18.8 percent of the total funds; while 73.7 percent are for Market Rate customers representing 81.2 percent of the total funds; 11.7 percent are Tier 2 customers, representing 11.4 percent of the total funds, while 88.3 percent are Tier 1 customers representing 88.6 percent of the funds. Of the loans closed for Assisted HPwES customers, 77.4 percent are Tier 1 loans, while 22.6 percent are Tier 2.

Since the launch of On-Bill Recovery, 31.2 percent of the Assisted HPwES customers who access financing use OBR Loans, while 39.3 percent of the Market Rate HPwES customers who access financing use OBR Loans; 32.9 percent of Tier 2 customers use OBR Loans while 37.7 percent of Tier 1 customers use OBR Loans.

Table 3-3. Green Jobs–Green New York Financing Details.

Table 3-3 provides cumulative details of the Green Jobs–Green New York financing program.

GJGNY Loan Type	Applications Received (number)	Applications Approved (number)	Loans Closed (number)	Loans Closed (dollars)	Loans Awaiting Closing (dollars)	Loans Awaiting Closing (dollars)
EE Smart Energy Loan	11,453	7,918	5,174	\$48,900,357	521	\$5,580,619
EE On-Bill Recovery Loan	7,750	4,581	2,326	\$25,814,158	239	\$3,472,286
Total	19,203	12,499	7,500	\$74,714,515	760	\$9,052,905
PV Smart Energy Loan	1,199	1,011	337	\$5,801,744	326	\$5,516,413
PV On-Bill Recovery Loan	2,109	1,431	304	\$5,094,045	375	\$6,342,066
Total	3,308	2,442	641	\$10,895,789	701	\$11,858,479
EE & PV Smart Energy Loan	52	33	3	\$46,435	4	\$74,498
EE & PV On-Bill Recovery Loan	168	69	0	\$0	4	\$85,573
Total	220	102	3	\$46,435	8	\$160,070
RHNY Smart Energy Loan	2	2	0	\$0	2	\$26,800
RHNY On-Bill Recovery Loan	0	0	0	\$0	0	\$0
Total	2	2	0	\$0	2	\$26,800
Grand Total	22,731	15,043	8,144	\$85,656,739	1,469	\$21,071,454

Table 3-4. Green Jobs–Green New York Financing Summary.

Table 3-4 provides a cumulative summary of Smart Energy Loan and On-Bill Recovery Loan activity.

Smart Energy		Financing Summary	On-Bill Recovery	
Tier 1	Tier 2		Tier 1	Tier 2
4,857	657	Loans Closed	2,338	292
\$48,318,342	\$6,430,194	Value	\$27,592,650	\$3,315,553
\$9,948	\$9,787	Average Loan	\$11,802	\$11,355
12.8 Years	13.8 Years	Average Term	14.6 Years	14.5 Years
N/A	N/A	2.99%	34.35%	31.51%
82.58%	81.28%	3.49%	65.65%	68.49%
17.42%	18.72%	3.99%	N/A	N/A
76.06%		Approval Rate*	73.27%	
18.18%		Denial Rate*	21.63%	
5.76%		Denied Tier 1, didn't pursue Tier 2*	5.10%	

* Does not include applications pending review or withdrawn.

Figure 3-1. Home Performance with ENERGY STAR Completions, Quarterly.

Figure 3-1 illustrates trends in HPwES project completions associated with GJGNY assessments or loans, by quarter.

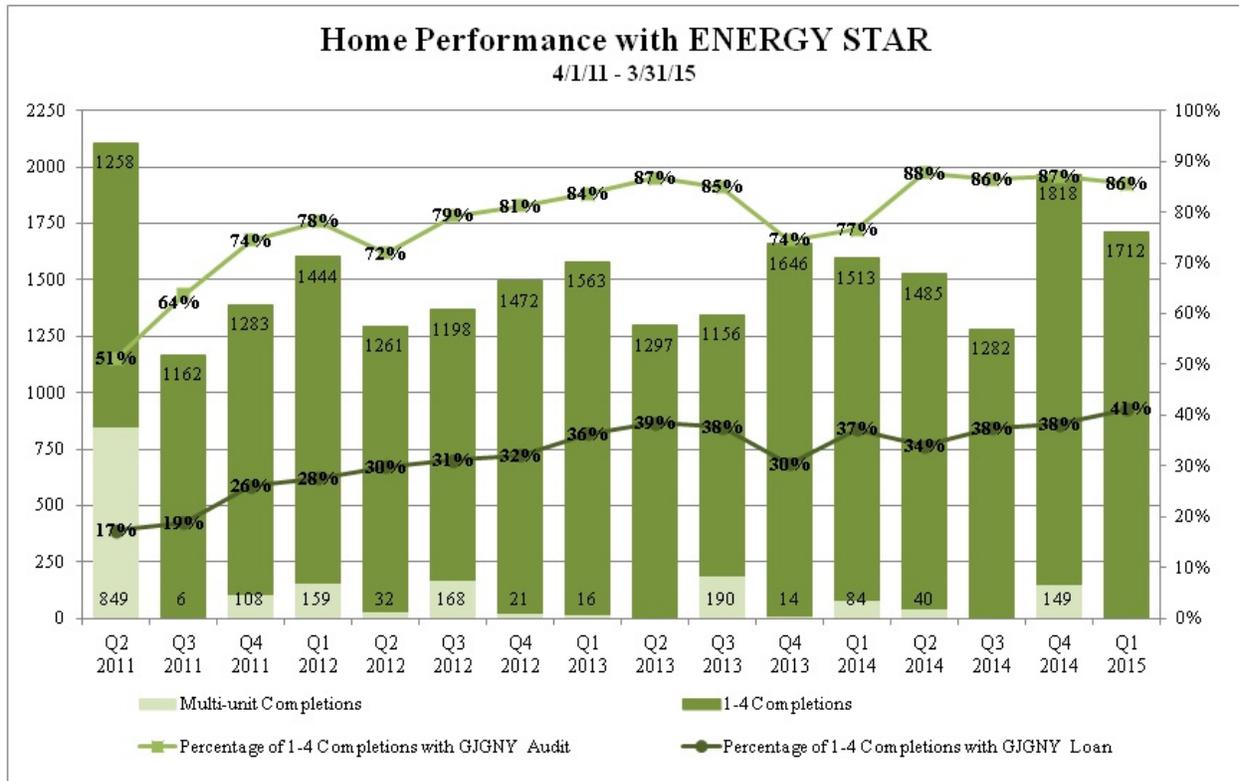


Figure 3-2. Green Jobs–Green New York Financing Applications Received, Quarterly.

Figure 3-2 illustrates the rate of applications received for GJGNY Smart Energy Loans and GJGNY On-Bill Recovery Loans, by quarter.

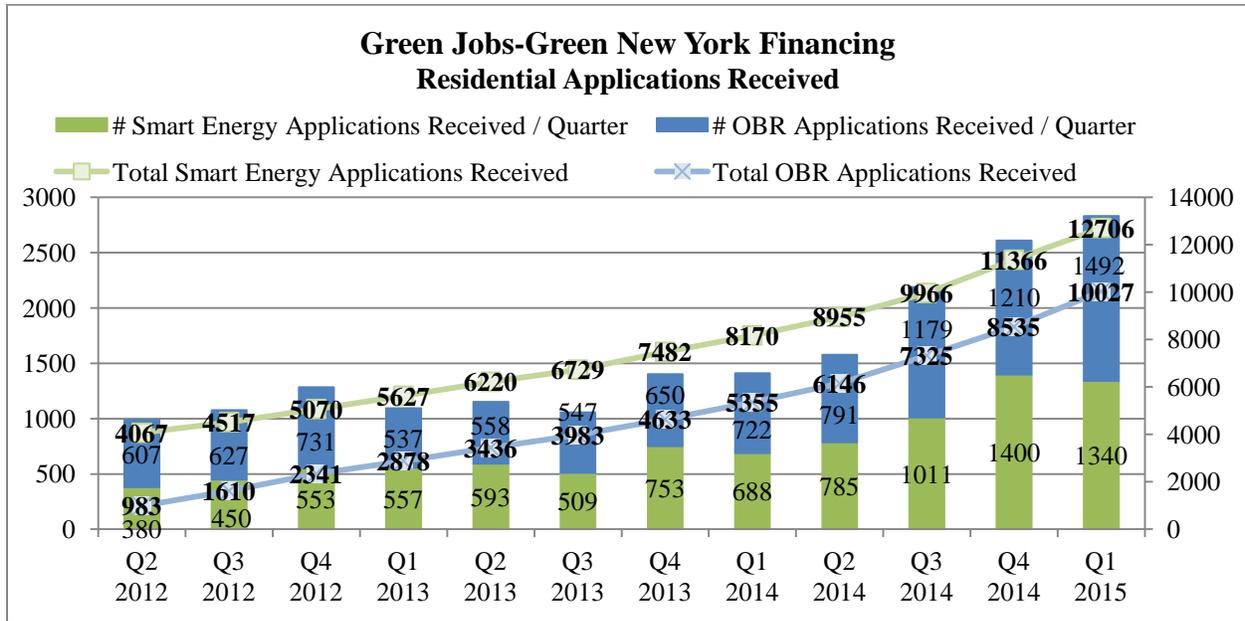


Figure 3-3. Green Jobs–Green New York Financing Loans Issued by Type, Quarterly.

Figure 3-3 illustrates the rate of loans issued for GJGNY Smart Energy Loans and GJGNY On-Bill Recovery Loans, by quarter.

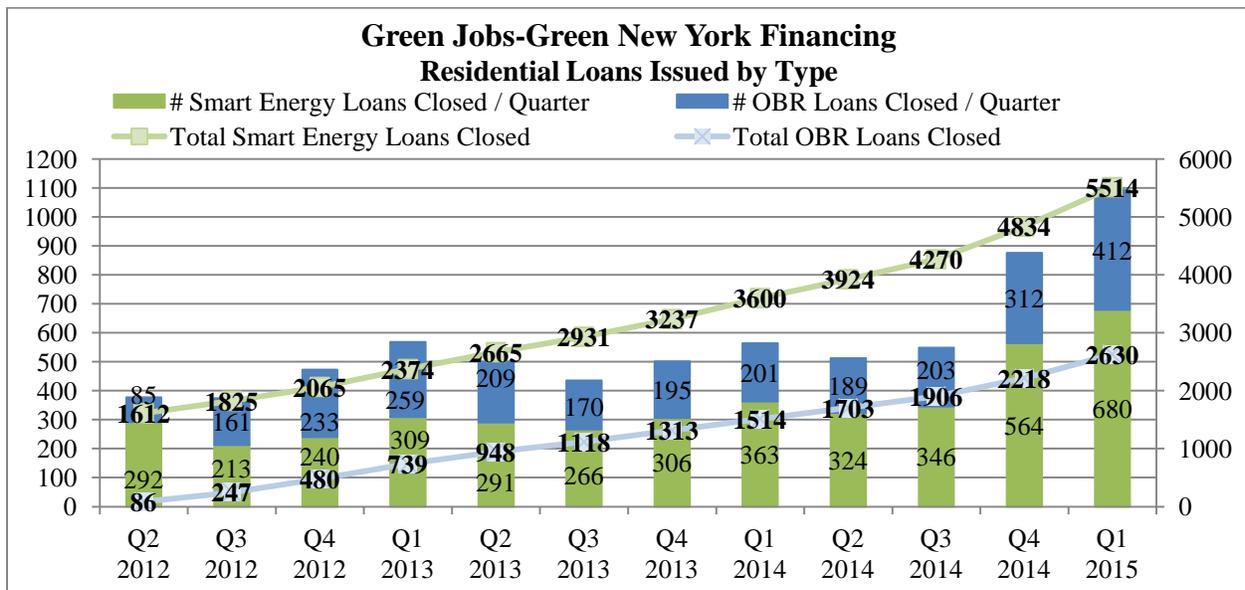


Figure 3-4. Green Jobs–Green New York Financing Loans Issued by Tier, Quarterly.

Figure 3-4 illustrates trends in GJGNY loans issued, distinguished between Tier 1 and Tier 2 loans, by quarter.

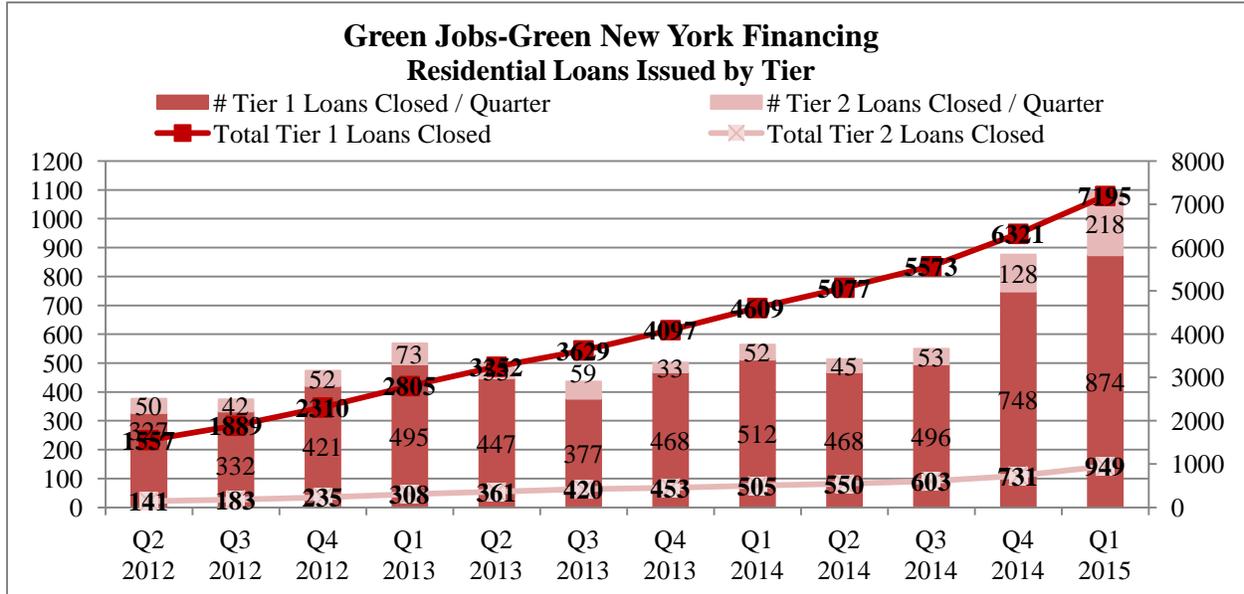


Figure 3-5. Green Jobs–Green New York Financing Loans Denied by Type, Quarterly.

Figure 3-5 illustrates trends in GJGNY loan denials, distinguished between Smart Energy Loans and On-Bill Recovery Loans, by quarter.

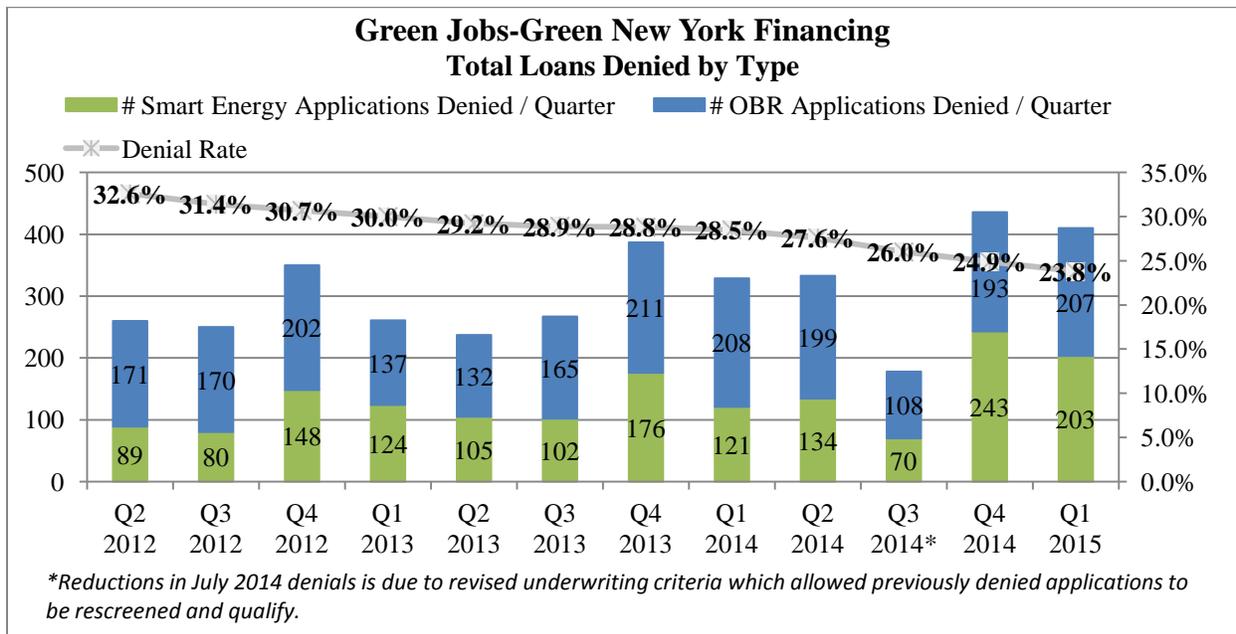


Figure 3-6. Green Jobs–Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region.

Table 3-6 illustrates regional differentiation for received GJGNY loan applications and loan denial rates. Over time, the loan denial rate across all regions has dropped from 39.8 percent in November 2010 to 23.8 percent in March 2015.

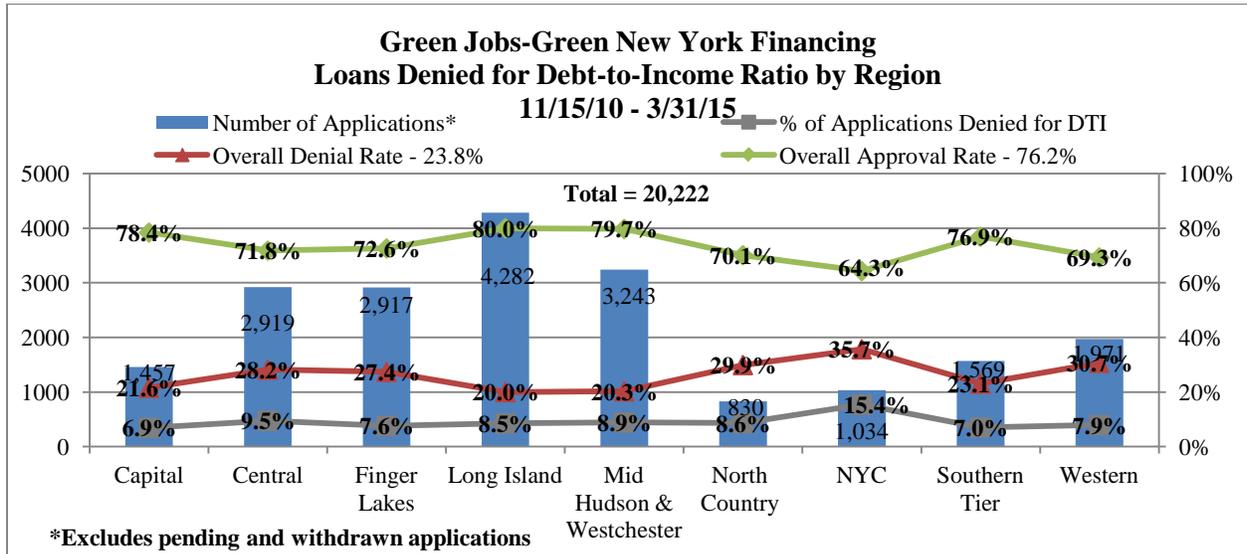


Figure 3-7. Green Jobs–Green New York Financing Percentage of Applications Denied, comparative by quarter.

Figure 3-7 illustrates comparative quarterly changes in loan denial rates. The four regions displayed represent those with the highest denial rates in the program.

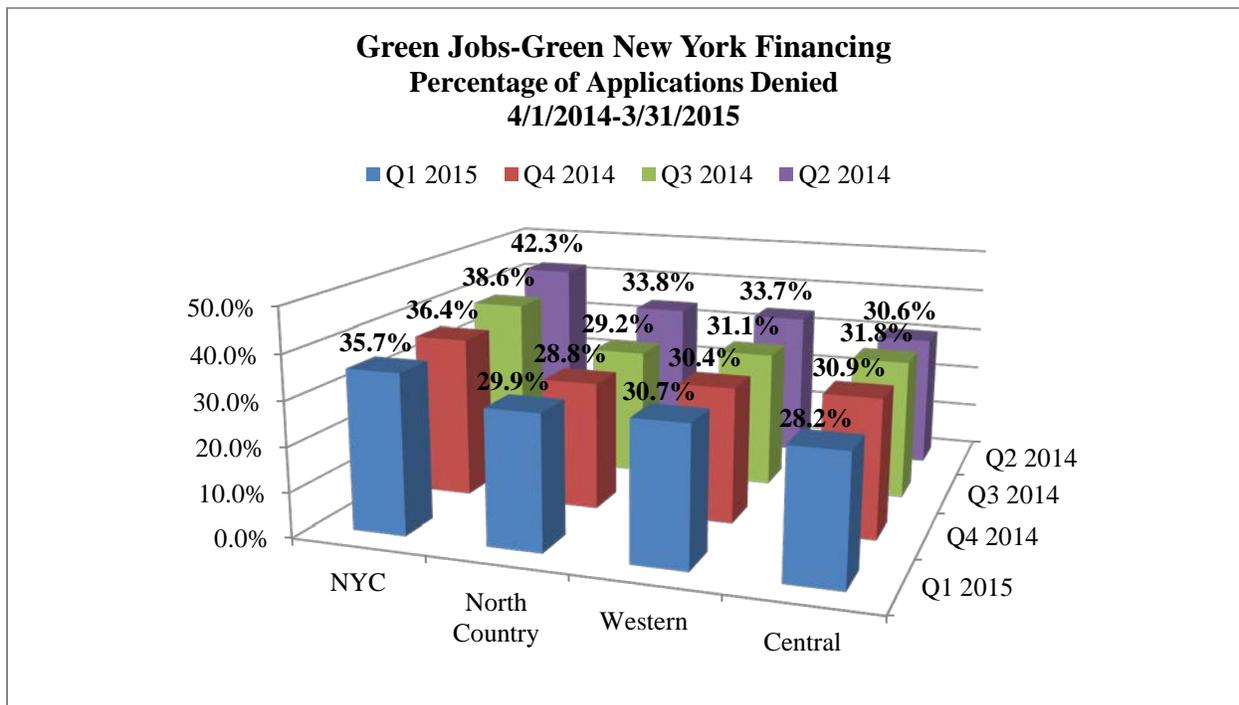


Table 3-5. Green Jobs–Green New York Financing Loans Transferred from OBR to Smart Energy.

NYSERDA allows applicants whose projects are unable to meet the cost-effectiveness requirements of the On-Bill Recovery (OBR) loan product transfer to the Smart Energy loan product. Table 3-5 illustrates the transfer activity between the On-Bill Recovery and Smart Energy loan products. March 2015, 54 loans were transferred from OBR to Smart Energy. Over the life of the program, 15.7 percent of pre-approved OBR loans were transferred to Smart Energy loans.

Smart Energy Loan Status	Cumulative Number of Loans
Pre-Approved	87
Loan Approved	138
Loan Sold	822
Loan Withdrawn	85
Loan Denied	10
No Loan - Subsidy Only	28
Total Number of Loans Transferred	1,170

4 Multifamily Energy Performance Portfolio

NYSERDA offers a portfolio of programs and incentives for owners, facility managers, developers, and condo/co-op boards of multifamily buildings with five or more units in New York State. NYSERDA’s programs make it easier to assess, fund, implement, and measure energy efficiency upgrades that improve building performance and save money.

4.1 Multifamily Energy Performance Assessments

Through March 2015, from the 335 approved assessment applications, 320 (96 percent) assessments have been completed.

Table 4-1. Multifamily Energy Performance Assessments.

Table 4-1 provides Multifamily Performance monthly and cumulative assessment figures.

Metric	March			Cumulative			
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total	Budget/ Goal
Received Assessment Applications	0	0	0	194	141	335	
Approved Assessment Applications	0	0	0	194	141	335	500
Assessment Funds Encumbered (\$)	0	0	0	2,376,730	1,116,790	3,493,520	
Assessment Funds Invoiced (\$)	0	0	0	2,286,820	1,083,827	3,370,647	3,000,000
Completed Assessments	4	1	5	182	138	320	400
Number of Projects Withdrawing from MPP after Assessment*	0	0	0	22	39	61	
*MPP Projects must achieve a minimum of 15 percent 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 assessment would still be eligible to apply for GJGNY financing.							

4.2 Multifamily Energy Performance Projects

Through February 2015, the Multifamily Energy Performance Program has completed 30,868 housing units with installed measures. Of those units with installed measures, 17,230 (56 percent) are associated with affordable housing.

Table 4-2. Multifamily Energy Performance Projects.

Table 4-2 provides Multifamily Performance monthly and cumulative project figures.

Metric	March			Cumulative		
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total
Projects in Pipeline*	0	0	0	194	141	335
Projects Contracted to have Measures Installed	0	0	0	194	140	334
Households Associated with Projects Contracted	0	0	0	32,911	32,945	65,856
Projects with Installed Measures (units)	140	560	700	17,370	14,198	31,568
kWh Savings of Installed Measures	65,280	954,536	1,019,816	27,844,993.4	7,737,283.1	35,582,276
MMBtu Savings of Installed Measures	2,507	5,588	8,095	305,402.4	249,401.8	554,804
Dollar Savings of Installed Measures	\$24,719	\$198,439	\$223,158	\$10,335,050.24	\$6,411,405.00	\$16,746,455.24
<p>*Projects that receive GJGNY-supported assessments 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.</p> <p>**The projects in pipeline program total includes all projects that are part of GJGNY, inclusive of those projects that dropped out.</p>						

4.3 Multifamily Energy Performance Financing

As of March 2015, the Multifamily Performance Program has closed 16 loans with a total value of \$10,416,508. NYSERDA’s share of that total loan value is \$3,289,451.

Table 4-3. Multifamily Energy Performance Financing.

Table 4-3 provides Multifamily Performance monthly and cumulative financing figures.

Loan Status	March			Cumulative		
	Number	NYSERDA Share of Total Loan Value	Total Loan Value	Number	NYSERDA Share of Total Loan Value	Total Loan Value
Participation Agreements Approved	0	\$0.00	\$0.00	21	\$4,745,999	\$10,416,508
Loans Closed	0	\$0.00	\$0.00	16	\$3,289,451	\$10,416,508

5 Small Commercial Energy Efficiency Program

NYSERDA’s Small Commercial Energy Efficiency Program offers financial and technical assistance to help small businesses and not-for-profit organizations improve their energy efficiency and reduce their energy costs. This program offers free assessments to help identify economically viable improvements, (e.g. lighting, motors or thermostats) that may yield substantial annual energy savings and two low-interest loan options to finance energy efficiency projects. The first one is On-Bill Recovery Financing, which makes it possible for small businesses and nonprofits to use the savings on their energy bills to pay for their energy efficiency upgrades. The second one is the Participation Loan, where NYSERDA partners with lenders across New York State to help small businesses and nonprofits access low-interest financing for energy efficiency improvements.

The Small Commercial Energy Efficiency Program continues to improve processes and services that enable Program participants to increase project installations resulting from energy assessments. This includes improving the communication of energy assessment results to small business and nonprofit customers, providing additional follow-up services to support implementation, 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, eligible small business and not-for-profit customers participating in NYSERDA’s NY-Sun Solar PV Incentive Program can now access low-interest GJGNY financing to install solar PV systems of up to 200 kW.

5.1 Small Commercial Energy Efficiency Assessments

Through February 2015, the Small Commercial Energy Efficiency Program has received 3,565 assessment applications. Of those received applications, 3,225 (90 percent) have resulted in completed assessments.

Table 5-1. Small Commercial Energy Efficiency Assessments.

Table 5-1 provides Small Commercial Energy Efficiency monthly and cumulative assessment figures.

Metric	March			Program Cumulative		
	GJGNY	ARRA*	Monthly Total	GJGNY	ARRA*	Program Total
Received Assessment Applications	47	0	47	2,678	934	3,612
Completed Assessments	49	0	49	2,425	849	3,274

*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. American Recovery and Reinvestment Act of 2009 (ARRA) funds were used for eligible small business and not-for-profit organizations that have more than ten employees. ARRA funding expired on September 30, 2013.

5.2 Small Commercial Energy Efficiency Projects

Through February 2015, the Small Commercial Energy Efficiency Program estimates 645 project completions as a result of GJGNY funded assessments.

Table 5-2. Small Commercial Energy Efficiency Projects.

Table 5-2 provides Small Commercial Energy Efficiency monthly and cumulative project figures.

Metric	March	GJGNY Program Cumulative
Estimated Projects Completed*	10	665
*NYSERDA conservatively estimates that twenty percent of energy efficiency improvements recommended on energy assessments are implemented by small business and not-for-profit customers. Estimated projects completed are inclusive of those that used ARRA funds referenced in Table 5-1 above.		

5.3 Small Commercial Energy Efficiency Financing

Through February 2015, the Small Commercial Energy Efficiency Program has closed 19 loans with a total value of \$906,252. NYSERDA’s share of that total loan value is \$520,261.

Table 5-3. Small Commercial Energy Efficiency Financing.

Table 5-3 provides Small Commercial Energy Efficiency monthly and cumulative financing figures.

Loan Status	March			Program Cumulative		
	Number	NYSERDA Share of Total Loan Value	Total Loan Value**	Number	NYSERDA Share of Total Loan Value	Total Loan Value**
Applications Approved*						
Participation Loans	2	\$26,957	\$53,914	55	\$1,270,143	\$2,723,878
On-Bill Recovery	0	\$0	\$0	28	\$886,706	\$886,706
Loans Closed						
Participation Loans	0	\$0	\$0	12	\$347,213	\$733,204
On-Bill Recovery	0	\$0	\$0	8	\$202,205	\$202,205
Total**	0	\$0	\$0	20	\$549,418	\$935,409
The Small Commercial Energy Efficiency Financing Program has 11 participating lenders.						
* Customer applications are assessed for both Participation Loan and On-Bill Recovery Loan eligibility prior to approval. Approved application values are inclusive of loans that have moved forward to closure.						
**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 percent of the total energy efficiency project cost or \$50,000, whichever is less.						

6 Evaluation

The overarching goals of Evaluation are to provide objective and credible information that supports optimum program operation and outcomes, as well as program accountability. Three major types of evaluation are implemented for the GJGNY program. Process evaluation provides information to support program operations by addressing program efficiency and effectiveness, satisfaction and barriers to participation, among other issues. Impact evaluation provides information to help understand actual program impact and improve energy impact estimates, including economic, environmental, and non-energy benefits; in doing so it supports program accountability. Market evaluation also provides information to support program operations and accountability by characterizing and assessing target markets for programs.

Evaluation Activities Currently Underway

Three evaluations are in various stages of implementation.

- The evaluation of the Home Performance with ENERGY STAR (HPwES), which includes a process evaluation, market characterization, and an analysis of CBO efforts, is currently underway. The data collection of participants was completed in February 2015. NYSERDA is working toward making the preliminary results of this evaluation available in mid-2015.
- As a part of the impact evaluation of the HPwES program, the evaluators are seeking to assess the energy-related impacts of GJGNY audit-only participants. These impacts are savings associated with homeowners who received a GJGNY audit and did not pursue further support through incentive programs. Data collection is complete and analysis continues. NYSERDA will work toward having the preliminary results of this evaluation available in mid-2015.
- The impact evaluation of the Small Commercial Energy Efficiency Program seeks to quantify measure adoption rate over time and assess the degree of program influence on participant decision making and the proportion of installed measures for which customers accessed other NYSERDA funding. The audit report reviews and primary data collection continue. NYSERDA will work toward having the preliminary results of this evaluation in mid-2015.