

New York State Energy Research and Development Authority

Green Jobs – Green New York April 2015 Monthly Update

Period ending April 30, 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 April 2015, NYSERDA’s GJGNY training partners have trained 3,271 individuals in courses including solar thermal installation, introductory photovoltaic training, advanced air sealing, pressure diagnostics, Building Performance Institute (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 support individuals in earning BPI certifications under open enrollment the Clean Energy Certifications and Accreditation Incentives program opportunity notice (2397)—many of whom complete field testing at NYSERDA-sponsored pressure houses across the state.

Most GJGNY-funded training partnerships have concluded. Community Power Network of NYS will continue to offer training for oil heat technicians through May and June 2015. Training topics include combustion efficiency, advanced oil tank installation, and combustion air and venting and are offered through a combination of classroom and hands-on training.

On-the-Job Training for Clean Energy

The GJGNY-funded portion of the on-the-job training program concluded in December 2014 and resulted in the direct hire of 263 New Yorkers for technical jobs in the energy efficiency and renewable energy fields.

2 Outreach and Marketing

GJGNY Outreach and Marketing provides for community-based outreach, enabling one-on-one assistance with the process of participating in the GJGNY 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 April 2015, CBOs are responsible for 5,144 completed assessments resulting in 1,510 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 GJGNY Completed Assessments.

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

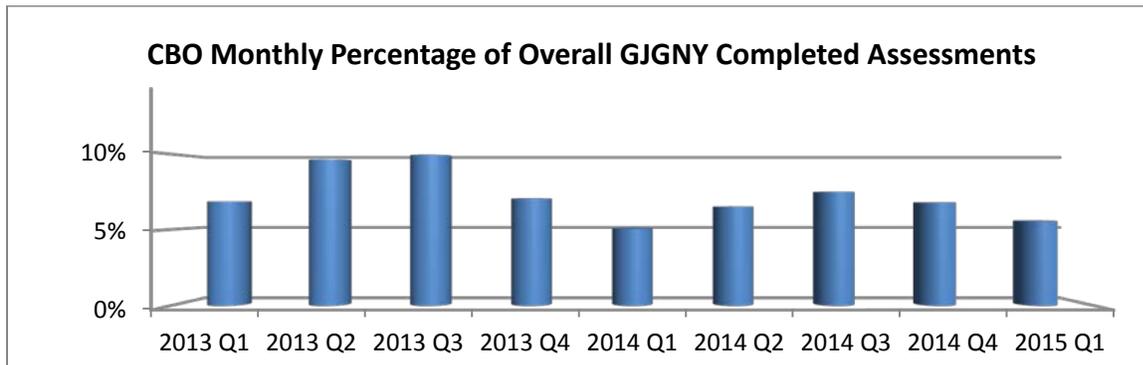
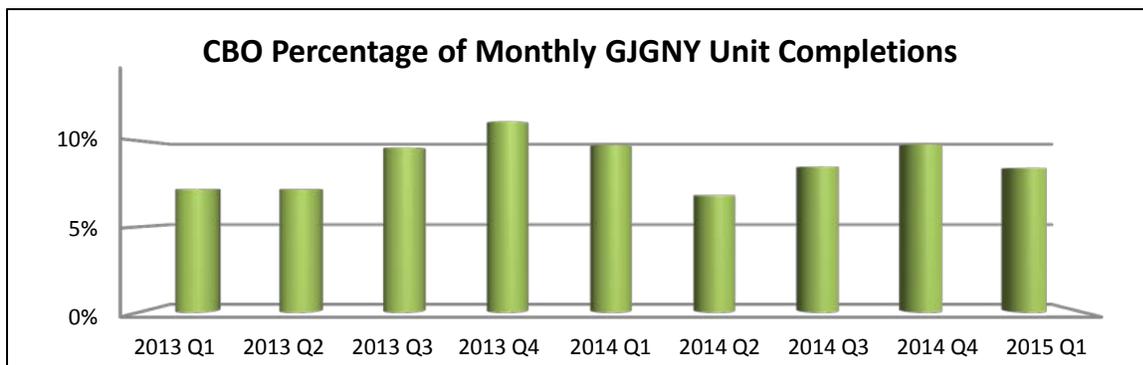


Figure 2-2. CBO Percentage of GJGNY Unit Completions.

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



Downstate CBO meeting

A downstate community-based organization (CBO) meeting was held on April 15, 2015 at the Pratt Institute in Manhattan. The meeting started with a presentation by Lisa Tyson from Long Island Progressive Coalition (LIPC) on the need for organizations to routinely evaluate their outreach techniques to achieve contract deliverables. In 2014, LIPC underwent their own evaluation after realizing that they were not reaching their targets. LIPC readjusted staffing and outreach areas to effectively target eligible customers. Michael D’Arcy from RUPCO demonstrated the outreach pitch he uses at events. Mr. D’Arcy set up RUPCO’s display booth and shared his scripts, follow-up emails, customer intake forms, and customized marketing materials with the downstate groups. RUPCO’s marketing presentation was followed by a general meeting of the downstate CBOs to discuss the Energy Champions Program, updates on the GJGNY loan program, NYSERDA’s marketing request for CBO logos, the Low-Income Forum on Energy Regional Meetings, a discussion on a possible downstate “solarize”-style aggregation pilot, and how to manage customer concerns.

Solarize Meeting

Conservation Services Group (CSG), the training and implementation contractor for the GJGNY Outreach Program, attended their second Capital District Regional Planning Commission Solarize meeting. Five local Solarize campaigns were in attendance. Solarize Albany is currently working with Affordable Housing Partnership (AHP), the CBO servicing the Capital Region, to incorporate energy efficiency into their solar aggregation program. The other four attending Solarize campaigns currently have not incorporated energy efficiency into their campaign due to staffing capacity to track leads and /or knowledge of the NYSERDA residential energy efficiency programs. We will continue to work with the consortium to develop a method for sharing leads interested in pursuing energy efficiency.

Aggregation Pilot

In the month of April, CSG worked with PUSH and Long Island Progressive Coalition (LIPC) on several Aggregation Pilot Program issues regarding contractor assessment processing. In particular:

- There were a large number of assessment applications for aggregation projects not submitted by LIPC’s aggregation contractors. As a result, LIPC will now be submitting assessment applications on behalf of their aggregation customers.
- Both LIPC and PUSH aggregation contractors consistently did not claim reservation numbers and/or claim the assessment incentive. Therefore, the contractors were creating NY HP Portal Contract Projects which were not properly attributed to the CBO.

Shorehaven Condominium Project

Work continues on the Sustainable South Bronx (SSBx) Shorehaven Project incorporating Home Performance work into the Shorehaven Condominium residential development. In December 2014, SSBx moved forward with Shorehaven outside of the formalized aggregation program. NYSERDA authorized SSBx to work with BrightHome as the sole contractor on the Shorehaven project. In March 2015, SSBx met with the Shorehaven Homeowners Association and BrightHome to plan for the next phases of the project. During the review of building units, BrightHome determined that some of the units will be eligible for NYSERDA's Low-Rise program and other buildings and/or units will remain eligible for Home Performance. BrightHome and SSBx will be working with the NYSERDA's Low Rise and HPwES staff to finalize applications and determine final eligibility. In April 2015, protocols were developed for BrightHome to claim assessment incentives for Shorehaven customers. BrightHome has completed 15 assessments that will be used as the sample set for the complex. BrightHome modeled these homes using both TREAT and Real Home Analyzer (RHA) software and is the process of developing standard packages of energy efficiency measures to present to the Homeowners Association.

2.2 Marketing Activities

NYSERDA continues to assist CBO's with updating their logos to be in compliance with the statewide rebranding effort. Ongoing print marketing initiatives include the production and distribution of brochures and related promotional materials intended to expand the reach of the Green Jobs-Green New York Program. Ongoing electronic marketing initiatives include the maintenance of a CBO Locator webpage that assists customers in finding a participating CBO in their region.

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 April 2015, from the 94,494 approved assessment applications, 71,960 (76 percent) assessments have been completed.

In the month of April, 2,867 free/reduced-cost comprehensive home energy assessment applications were received. The conversion rate from assessment to energy retrofit is 31 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 11/1/11 ^a	GJGNY Totals since 11/15/10 ^b	
Received Assessment Applications			
April	189	2,867	
Program to Date	8,336	99,537	
Average Number of Applications Received per Month	198	1,861	
Approved Assessment Applications			
Free			
April	209	2,624	
Program to Date	7,657	87,258	
Reduced Cost			
April	10	215	
Program to Date	423	7,236	
Total Approved Assessment Applications	8,080	94,494	
Average Number of Applications Approved Per Month	192	1,766	
Scheduled Assessments			
Scheduled Assessments as of End of Current Month	72	5,585	
Completed Assessments			
Goal: (77,500-Assessments)	Free		
	Month	122	1,823
	Program to Date	4,866	66,636
	Reduced Cost		
	Month	8	142
	Program to Date	278	5,324
Total Completed Assessments	5,144	71,960	
Assessment Funds Invoiced to Date		\$18,214,670	

^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 19,998 projects completed through HPwES resulting from a GJGNY assessment and/or GJGNY financing, 6,367 (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 April 2015, there were 597 HPwES project completions. Of the 597 HPwES project completions, 499 (84 percent) were associated with a GJGNY assessment or loan. Thirty-three percent of the April 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	1,616	20,196	NA
Completed Projects/Units^c			
Assisted			
April	3 / 4	163 / 167	226 / 232
Program to Date	672 / 791	6,367 / 6,719	10,051 / 10,521
Market Rate			
April	6 / 6	336 / 339	371 / 374
Program to Date	666 / 719	13,613 / 13,776	18,025 / 18,241
Total Completed Projects/Units (Project Goal: 25,000)	1338 / 1510	19,998 / 20,495	28,076 / 28,762
^a Projects completed resulting from a GJGNY assessment 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.

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.

Of the 8,513 Residential GJGNY Loans closed to date, 26.1 percent are for Assisted HPwES customers, representing 18.5 percent of the total funds; while 73.9 percent are for Market Rate customers representing 81.5 percent of the total funds; 12.1 percent are Tier 2 customers, representing 11.7 percent of the total funds, while 87.9 percent are Tier 1 customers representing 88.3 percent of the funds. Of the loans closed for Assisted HPwES customers, 76.5 percent are Tier 1 loans, while 23.5 percent are Tier 2.

Since the launch of On-Bill Recovery, 30.9 percent of the Assisted HPwES customers who access financing use OBR Loans, while 39.2 percent of the Market Rate HPwES customers who access financing use OBR Loans; 32.8 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. EE= energy efficiency only. PV = PV only. EE & PV = a loan incorporating both energy efficiency and PV. RH = renewable heat (pellet or wood stoves).

GJGNY Loan Type	Applications Received (number)	Applications Approved (number)	Loans Closed (number)	Loans Closed (dollars)	Loans Awaiting Closing (number)	Loans Awaiting Closing (dollars)
EE Smart Energy Loan	11,440	8,168	5,353	\$50,669,655	539	\$5,764,881
EE On-Bill Recovery Loan	7,003	4,735	2,399	\$26,726,659	212	\$3,068,004
Total	18,443	12,903	7,752	\$77,396,313	751	\$8,832,884
PV Smart Energy Loan	1,325	1,178	396	\$6,791,186	374	\$6,378,890
PV On-Bill Recovery Loan	2,211	1,859	361	\$6,005,746	451	\$7,775,692
Total	3,536	3,037	757	\$12,796,932	825	\$14,154,581
EE & PV Smart Energy Loan	54	41	3	\$46,435	7	\$120,486
EE & PV On-Bill Recovery Loan	131	70	0	\$0	2	\$42,993
Total	185	111	3	\$46,435	9	\$163,478
RHNY Smart Energy Loan	2	2	1	\$24,850	1	\$1,950
RHNY On-Bill Recovery Loan	0	0	0	\$0	0	\$0
Total	2	2	1	\$24,850	1	\$1,950
Grand Total	22,164	16,051	8,512	\$90,239,681	1,585	\$23,150,944

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
5,041	712	Loans Closed	2,442	318
\$50,542,924	\$6,989,202	Value	\$29,134,885	\$3,597,520
\$10,026	\$9,816	Average Loan	\$11,931	\$11,313
12.8 Years	13.8 Years	Average Term	14.6 Years	14.5 Years
N/A	N/A	2.99%	32.88%	28.93%
82.86%	81.32%	3.49%	67.12%	71.07%
17.14%	18.68%	3.99%	N/A	N/A
76.49%		Approval Rate*	74.29%	
17.92%		Denial Rate*	20.93%	
5.59%		Denied Tier 1, didn't pursue Tier 2*	4.78%	

* 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.

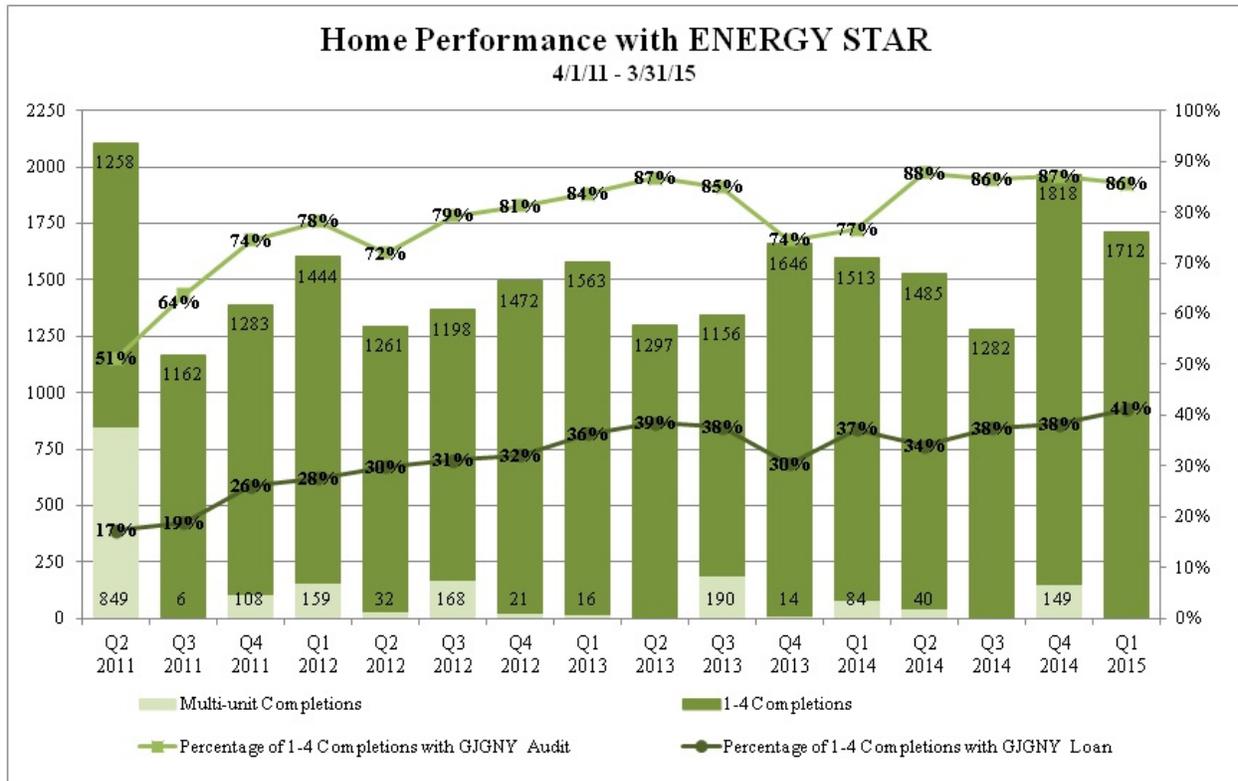


Figure 3-2. Green Jobs–Green New York Financing Applications Received, Quarterly.

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

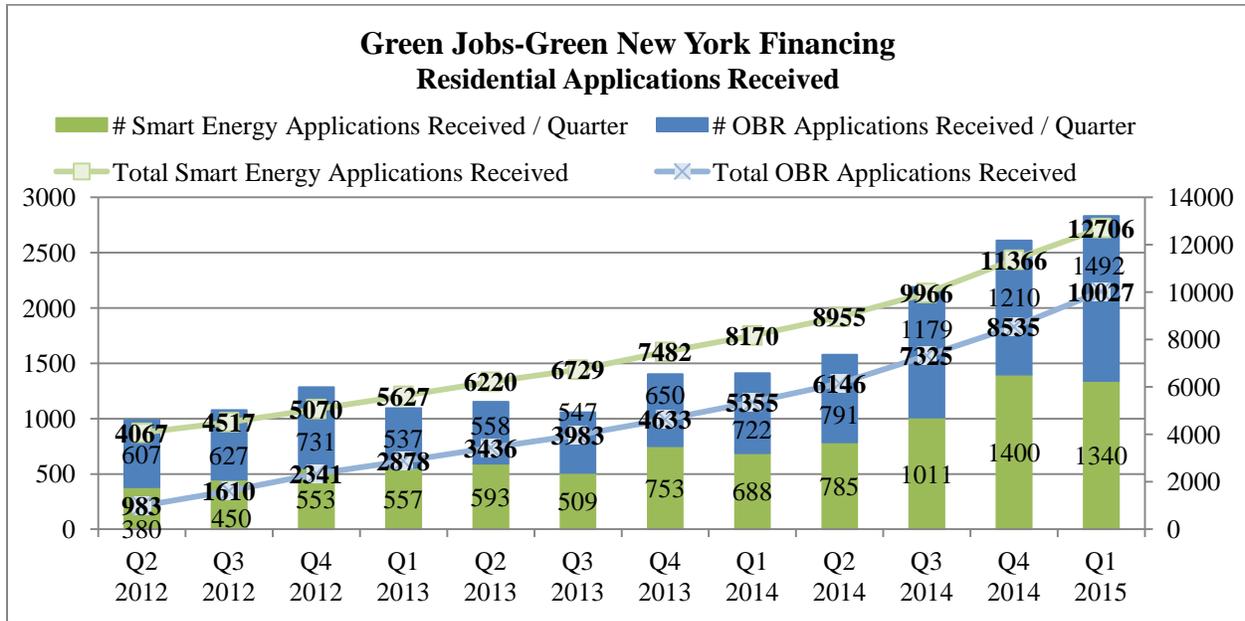


Figure 3-3. Green Jobs–Green New York Financing Loans Issued by Type, Quarterly.

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

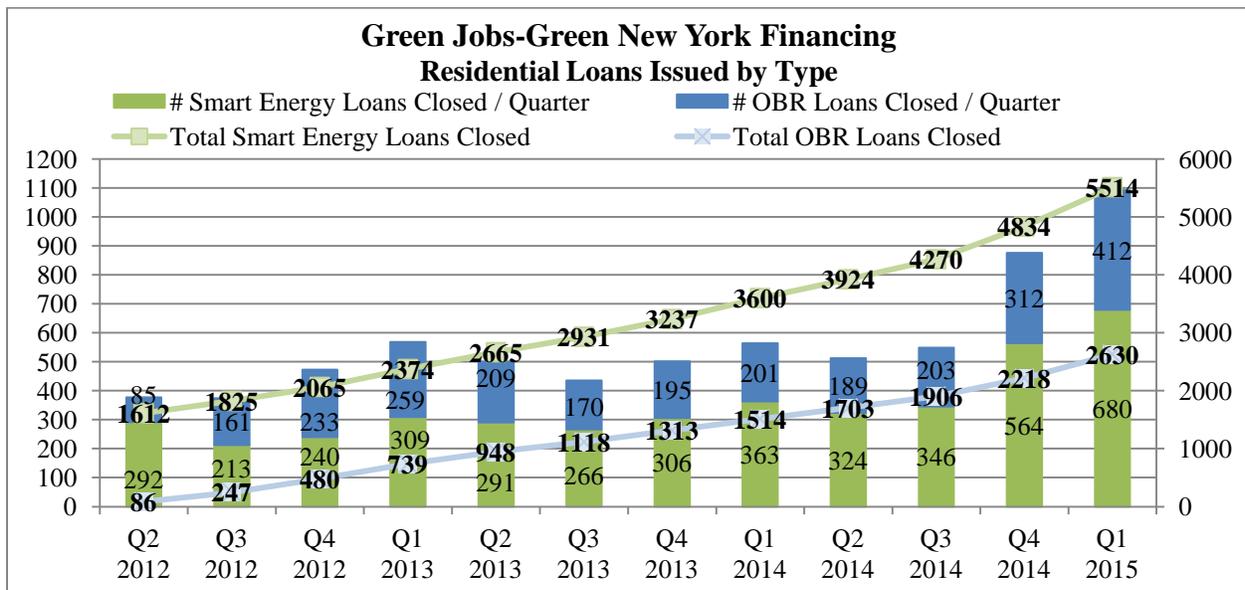


Figure 3-4. Green Jobs–Green New York Financing Loans Issued by Tier, Quarterly.

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

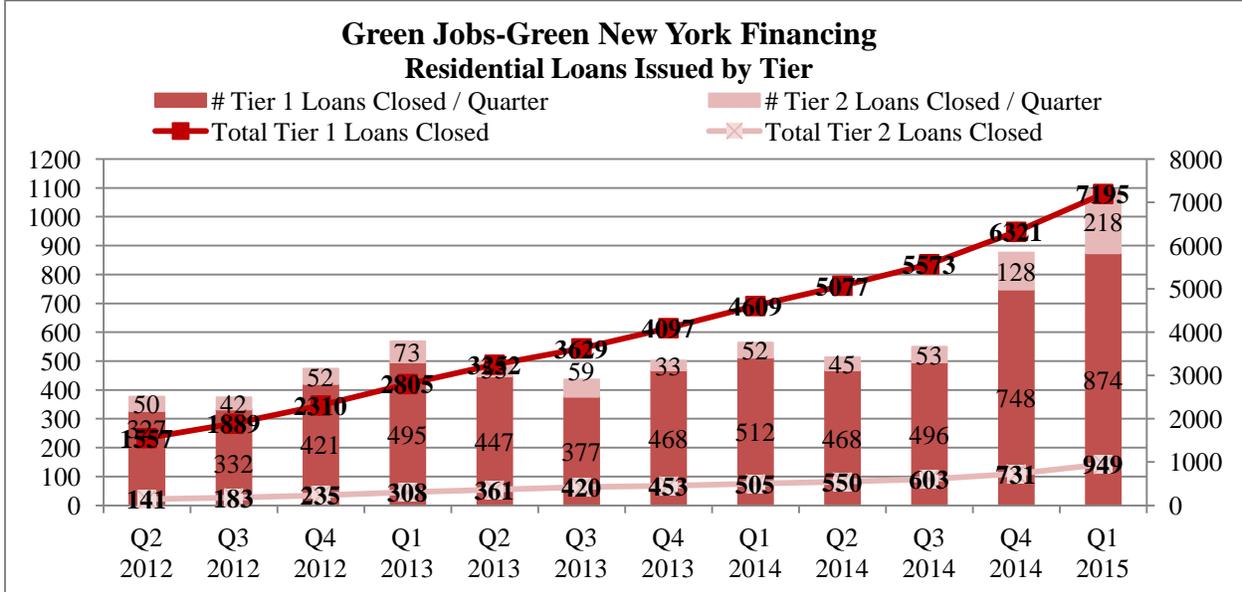


Figure 3-5. Green Jobs–Green New York Financing Loans Denied by Type, Quarterly.

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

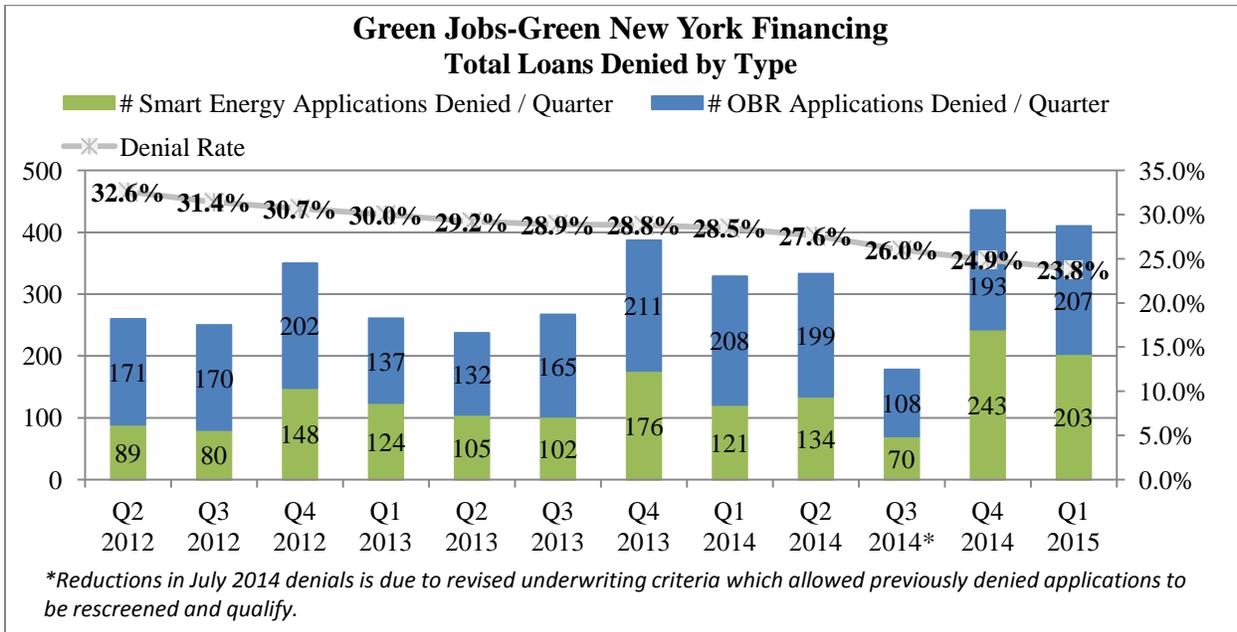


Figure 3-6. Green Jobs–Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region.

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 23.4 percent in March 2015.

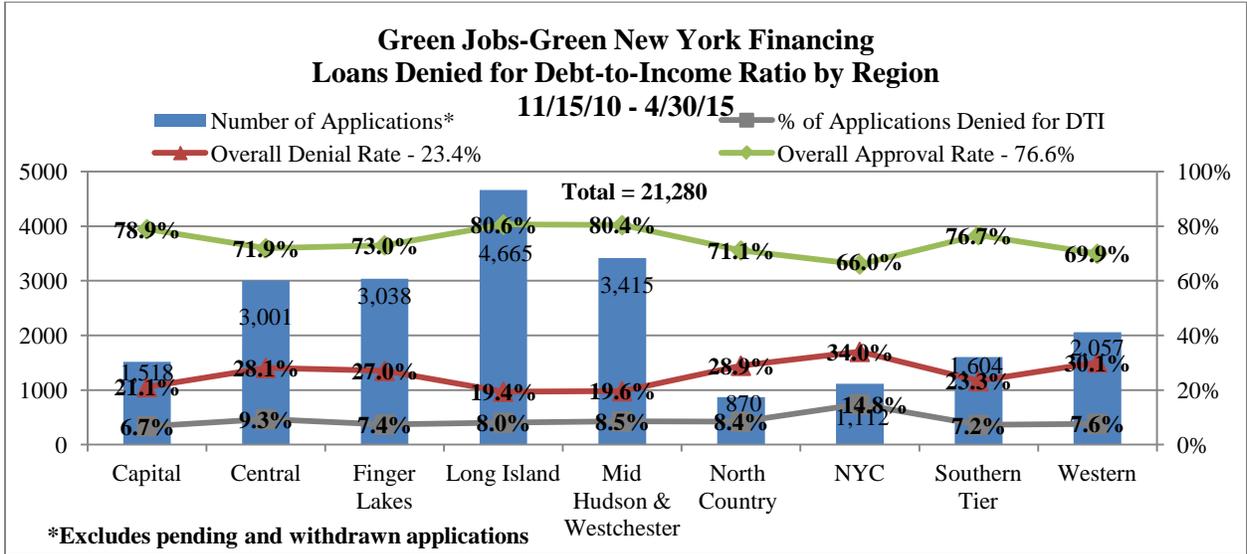


Figure 3-7. Green Jobs–Green New York Financing Percentage of Applications Denied, comparative by quarter.

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.

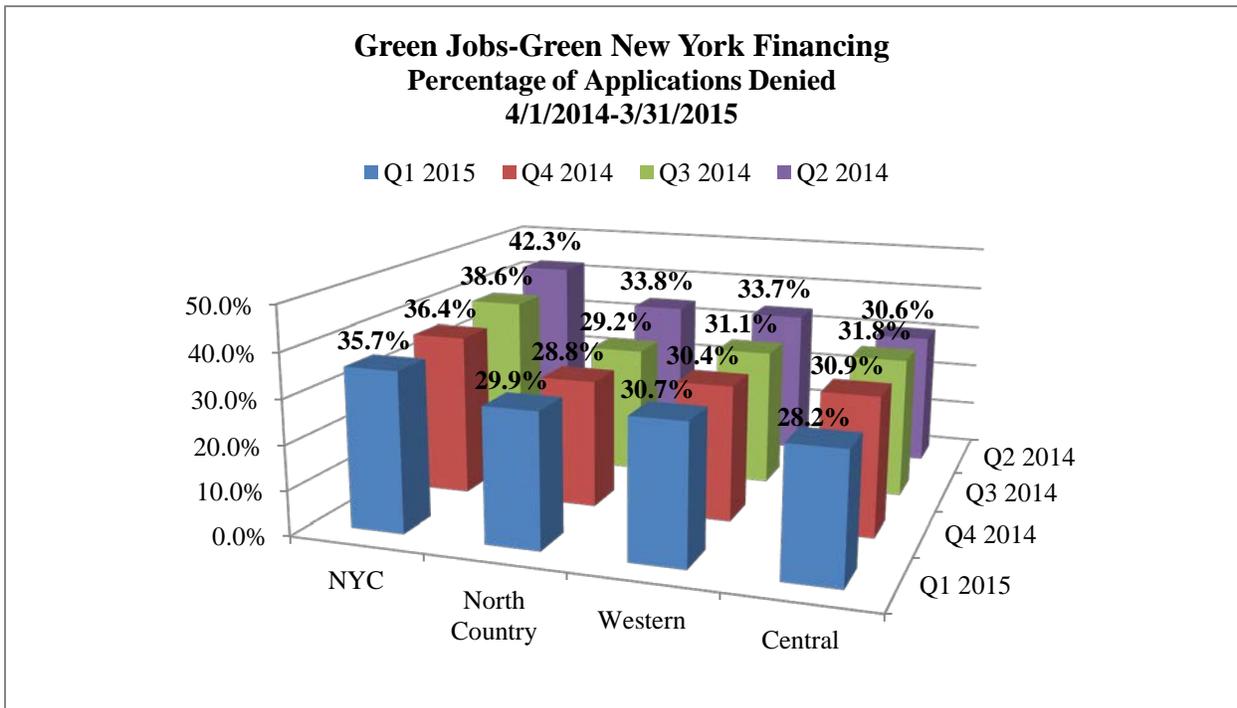


Table 3-5. Green Jobs–Green New York Financing Loans Transferred from OBR to Smart Energy.

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. In April 2015, 47 loans were transferred from OBR to Smart Energy. Over the life of the program, 15 percent of pre-approved OBR loans were transferred to Smart Energy loans.

Smart Energy Loan Status	Cumulative Number of Loans
Pre-Approved	77
Loan Approved	150
Loan Sold	859
Loan Withdrawn	91
Loan Denied	11
No Loan - Subsidy Only	29
Total Number of Loans Transferred	1,217

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 April 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	April			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	0	0	0	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 choose 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 April 2015, the Multifamily Energy Performance Program has completed 31,696 housing units with installed measures. Of those units with installed measures, 17,498 (55 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	April			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)	128	0	128	17,498	14,198	31,696
kWh Savings of Installed Measures	10,952	-227,828	-216,876	27,855,945.4	7,509,455.1	35,365,400
MMBtu Savings of Installed Measures	3,421	-1,959	1,462	308,823.4	247,442.8	556,266
Dollar Savings of Installed Measures	\$0	\$0	\$0	\$10,335,050	\$6,411,405	\$16,746,455
*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. **The projects in pipeline program total includes all projects that are part of GJGNY, inclusive of those projects that dropped out.						

4.3 Multifamily Energy Performance Financing

As of April 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	April			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 April 2015, the Small Commercial Energy Efficiency Program has received 3,668 assessment applications. Of those received applications, 3,314 (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	April			Program Cumulative		
	GJGNY	ARRA*	Monthly Total	GJGNY	ARRA*	Program Total
Received Assessment Applications	56	0	56	2,734	934	3,668
Completed Assessments	40	0	40	2,465	849	3,314

*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 April 2015, the Small Commercial Energy Efficiency Program estimates 663 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	April	GJGNY Program Cumulative
Estimated Projects Completed*	8	663
*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 April 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	April			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	5	\$63,415	\$126,829	59	\$1,321,829	\$2,827,248
On-Bill Recovery	4	\$118,629	\$118,629	32	\$1,005,335	\$1,344,044
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 is complete and analysis is underway. NYSERDA is working to make 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 assessment-only participants. These impacts are savings associated with homeowners who received a GJGNY assessment and did not pursue further support through incentive programs. Data collection via surveys of participants is complete and requests for utility consumption data necessary to conduct a billing analysis have been made. 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, assess the degree of program influence on the participant decision making and the proportion of installed measures for which customers accessed other NYSERDA funding. Data collection is nearing completion. NYSERDA will work toward having the preliminary results of this evaluation in mid-2015.