

New York State Energy Research and Development Authority

Green Jobs – Green New York August 2015 Monthly Update

Period ending August 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 August 2015, NYSERDA’s GJGNY training partners have trained over 3,700 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. All of NYSERDA’s GJGNY-funded training partnership agreements will conclude by the end of 2015. The Clean Energy Certifications and Accreditation Incentives Program Opportunity Notices (PON 2397), an open enrollment solicitation providing BPI exam fee reimbursement to individuals across New York, will remain open through 2016 or while funds remain available.

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 August 2015, CBOs are responsible for 5,685 completed assessments resulting in 1,643 completed retrofits. Approximately 51 percent of those retrofits were for Assisted HPwES customers who have a household income of up to 80 percent of the county median income, which is the target market for CBOs. The remaining 49 percent of customers reached by CBOs are higher income households.

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 versus other sources, such as home performance contractors or online searches.

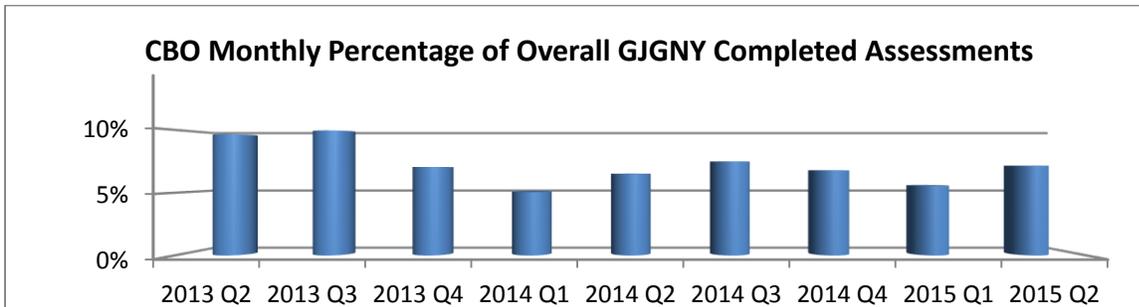


Figure 2-2. CBO Percentage of GJGNY Unit Completions.

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

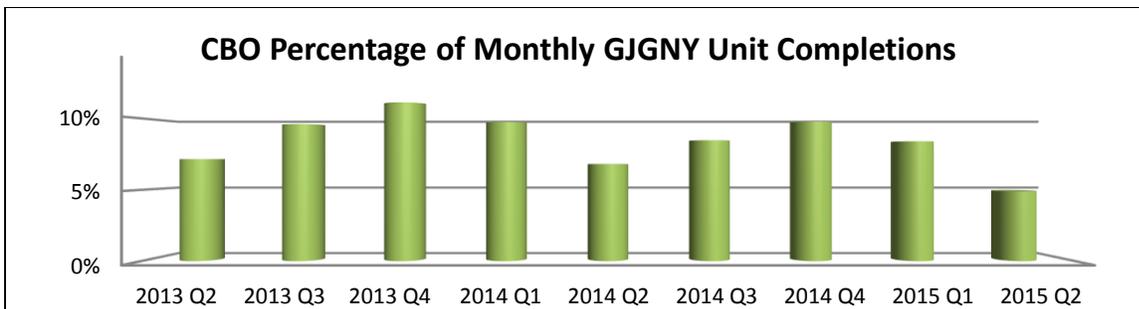
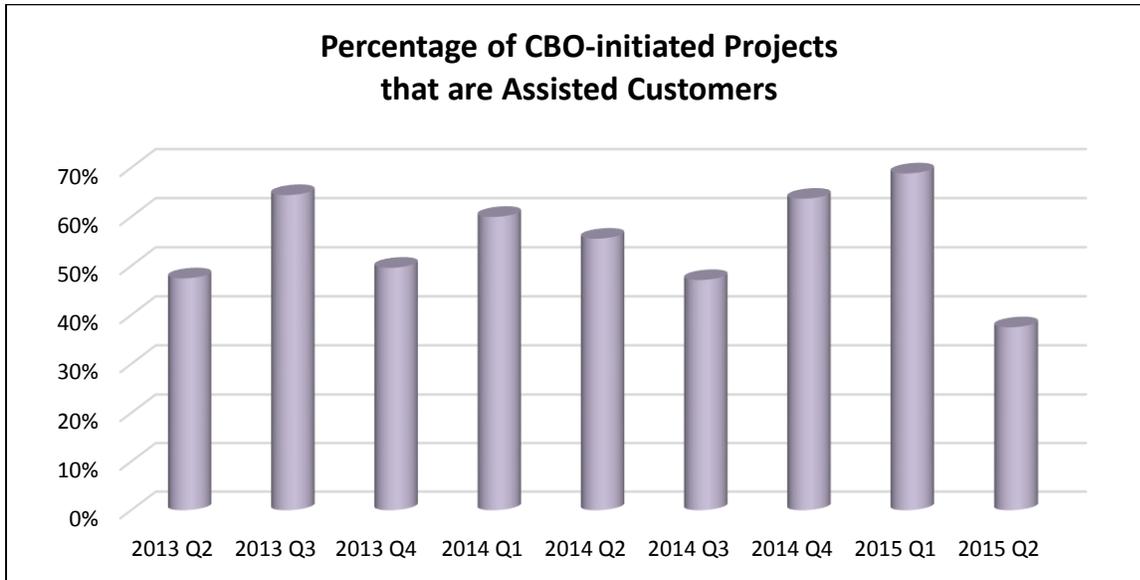


Figure 2-3. Percentage of CBO-initiated Projects that are Assisted Customers.

Figure 2-3 provides percentages of project completions for Assisted Home Performance customers by quarter that were initiated by CBOs.



New CBO Activities

Following up on discussions held in the first quarter of 2015, RUPCO furthered plans to launch a program in partnership with Hudson Heritage Federal Credit Union (HHFCU) offering free energy assessments in conjunction with a competitive 1.75 percent interest rate for their secured loan product. Program launch is expected in October 2015. RUPCO will assist with generating retrofits from provided leads, generating loans for HHFCU, and building customer relationships.

Monthly CBO Downstate Convening

The monthly CBO Downstate Convening was held on August 19, 2015 at the Pratt Institute in Manhattan. The Downstate CBOs brainstormed possibilities for future outreach activities. In recent months, the Training and Implementation Contractor noted an increase in lead generation in the downstate region and explored this trend and factors leading to the increase in activity. The uptick in lead generation was attributed to publishing print advertisements in local papers, tabling at New York City Department of Housing Preservation and Development’s Landlord Resource Fairs (co-sponsored by local City Council members in the five boroughs), and two weekend events that utilized an energy efficiency mobile trailer as an outreach tool. In addition, CBOs reviewed an updated NYSERDA invoices form, and received program updates on EmPower NY and NYSERD’s Multifamily Performance Program

Incorporating Energy Efficiency into Solarize Campaign

In the second quarter of 2015, RUPCO became a central partner in the Solarize Hudson Valley campaign and provides information about financing and energy assessments for those who are not eligible for a

solar electric system. On Aug 5, RUPCO's outreach coordinator Michael D'Arcy and Program Director Guy Kempe met with GRID Alternatives Tri-State Director Kate Shackford and Outreach Coordinator Gerson Hernandez to formalize a plan regarding the RUPCO-GRID Alternatives Tri-State Program, for which NeighborWorks has provided matching grant funds to RUPCO (at approximately an average of \$2,500 per installation) that meet eligibility criteria to work with GRID Alternatives in the installation of solar projects. RUPCO will help 10 LMI ($\leq 80\%$ AMI) residential households in Kingston New York by providing matching funds for solar installs in areas of the city that have the highest concentration of LMI persons and a high percentage of the City's racial and ethnic minorities.

New Solarize Campaigns

Adirondack North Country Association (ANCA), in partnership with the Village of Canton, First Nation Akwesasne, and The Town of Franklin launched Solarize Akwesasne, Solarize Canton, and Solarize Tri-Lakes. Each campaign shares the common goal to obtain affordable solar for single-family households and local businesses. As part of the outreach campaign, ANCA has been providing information on HPwES and the Assisted Home Performance program to potential solar customers. In the month of August, ANCA recorded a 21 percent increase in their residential retrofit numbers to date as a result of this combined campaign and their HPwES outreach to NYSEG gas conversion customers.

2.2 Marketing Activities

NYSERDA continues to assist CBOs with updating their logos to be in compliance with the statewide rebranding effort. CBOs utilized the print marketing materials (i.e. the "So What's Next" brochure) 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 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 August 2015, from the 103,057 approved assessment applications, 80,297 (78 percent) assessments have been completed. In the month of August, 2,238 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 to 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 Audit Applications			
August	190	2,238	
Program to Date	9,052	108,536	
Average # of Applications Received per Month	197	1,888	
Approved Audit Applications			
Free			
August	192	2,055	
Program to Date	8,406	95,185	
Reduced Cost			
August	6	158	
Program to Date	469	7,872	
Total Approved Audit Applications	8,875	103,057	
Average # of Applications Approved Per Month	193	1,792	
Scheduled Audits			
Scheduled Audits as of End of Current Month	51	5,594	
Completed Audits			
Goal: (77,500-Audits)	Free		
	Month	122	1,325
	Program to Date	5,374	53,111
	Reduced Cost		
	Month	9	99
	Program to Date	311	4,210
Total Completed Audits	5,685	80,297	
Audit Funds Invoiced to Date		\$20,101,370	

^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 21,869 projects completed through HPwES resulting from a GJGNY assessment and/or GJGNY financing, 6,984 (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 August 2015, there were 492 HPwES project completions. Of the 492 HPwES project completions, 466 (95 percent) were associated with a GJGNY assessment or loan. Thirty-three percent of the August 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	1,751	20,196	NA
Completed Projects/Units^c			
Assisted			
August	18 / 18	148 / 157	165 / 175
Program to Date	716 / 838	6,984 / 7,358	10,738 / 11,235
Market Rate			
August	18 / 18	298 / 298	327 / 328
Program to Date	750 / 805	14,885 / 15,060	19,406 / 19,634
Total Completed Projects/Units (Project Goal: 25,000)	1,466 / 1,643	21,869 / 22,418	30,144 / 30,869
^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.

As of August 31, 2015, 10,336 Residential GJGNY Loans have closed to date, comprising of 8,674 Home Performance with Energy Star® (HPwES) loans, 1,660 Photovoltaic (PV) loans, 1 Solar Thermal (ST) loan and 1 Renewable Heat NY (RHNY) loan. Of the 10,336 total loans closed, 13.4 percent are Tier 2 customers, representing 13.2 percent of the total funds, while 86.6 percent are Tier 1 customers representing 86.8 percent of the funds.

Of the 8,674 HPwES loans closed to date, 29 percent are for Assisted HPwES customers, representing 21.8 percent of the total funds; while 71 percent are for Market Rate customers representing 78.2 percent of the total funds; 13.3 percent are Tier 2 customers, representing 12.8 percent of the total funds, while 86.7 percent are Tier 1 customers representing 87.2 percent of the funds. Of the loans closed for Assisted HPwES customers, 74.9 percent are Tier 1 loans, while 25.1 percent are Tier 2.

Since the launch of On-Bill Recovery, 30.3 percent of the Assisted HPwES customers who access financing use OBR Loans, while 36.9 percent of the Market Rate HPwES customers who access financing use OBR Loans; 30.2 percent of Tier 2 customers use OBR Loans while 35.8 percent of Tier 1 customers use OBR Loans.

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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	12,709	9,174	6,013	\$57,400,383	585	\$5,937,899
EE On-Bill Recovery Loan	7,601	5,165	2,661	\$29,723,112	215	\$3,462,366
Total	20,310	14,339	8,674	\$87,123,495	800	\$9,400,265
PV Smart Energy Loan	1,876	1,705	791	\$13,350,876	431	\$7,634,686
PV On-Bill Recovery Loan	2,866	2,467	860	\$14,807,498	445	\$7,280,041
Total	4,742	4,172	1,651	\$28,158,374	876	\$14,914,726
EE & PV Smart Energy Loan	58	42	7	\$122,328	2	\$23,241
EE & PV On-Bill Recovery Loan	150	82	2	\$42,993	2	\$30,539
Total	208	124	9	\$165,321	4	\$53,780
RHNY Smart Energy Loan	4	4	1	\$24,850	1	\$1,950
RHNY On-Bill Recovery Loan	0	0	0	\$0	0	\$0
Total	4	4	1	\$24,850	1	\$1,950
ST Smart Energy Loan	1	1	1	5,075	0	0
ST On-Bill Recovery Loan	0	0	0	0	0	0
Total	1	1	1	\$5,075	0	\$0
Grand Total	25,265	18,640	10,336	\$115,477,114	1,681	\$24,370,721

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
5,879	934	Loans Closed	3,073	450
\$61,316,369	\$9,587,143	Value	\$38,936,584	\$5,637,018
\$10,430	\$10,265	Average Loan	\$12,671	\$12,527
13.0 Years	13.9 Years	Average Term	14.6 Years	14.7 Years
N/A	N/A	2.99%	26.52%	20.44%
83.94%	82.01%	3.49%	73.48%	79.56%
16.06%	17.99%	3.99%	N/A	N/A
77.68%		Approval Rate*	75.52%	
17.38%		Denial Rate*	20.16%	
4.95%		Denied Tier 1, didn't pursue Tier 2*	4.33%	

* 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.

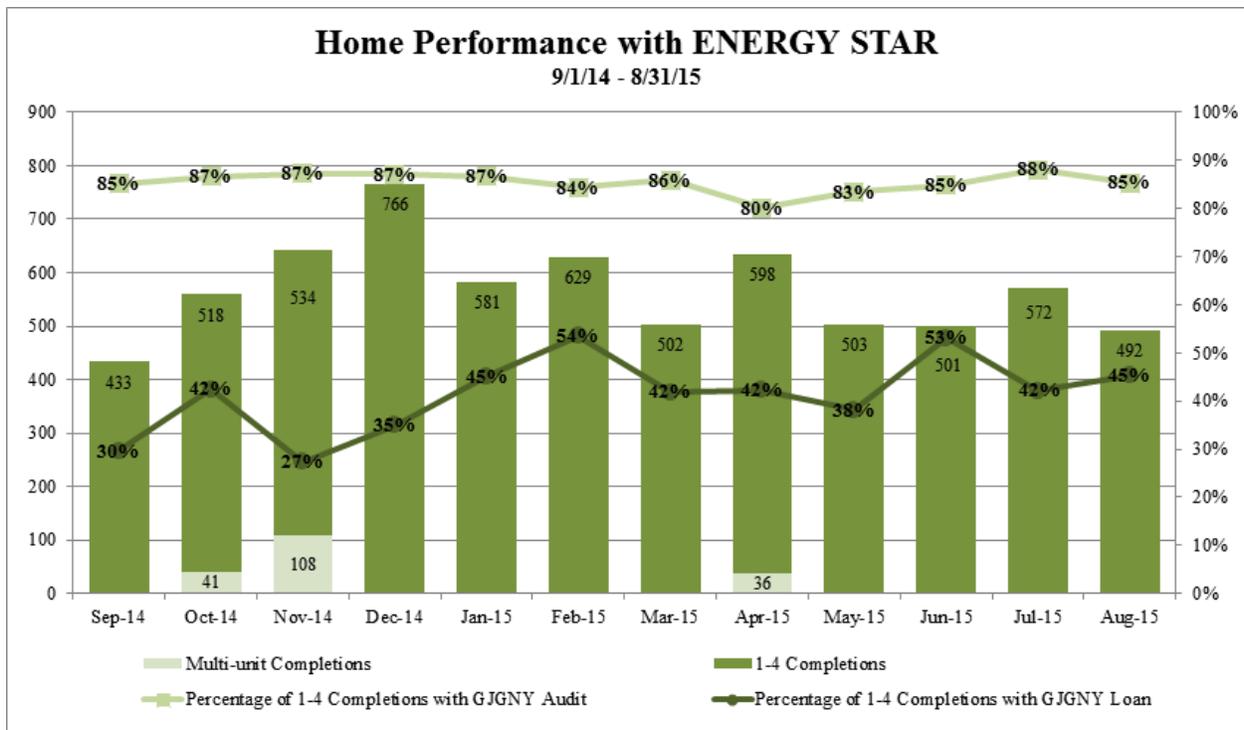


Figure 3-2. Green Jobs–Green New York Financing Applications Received, Quarterly.

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

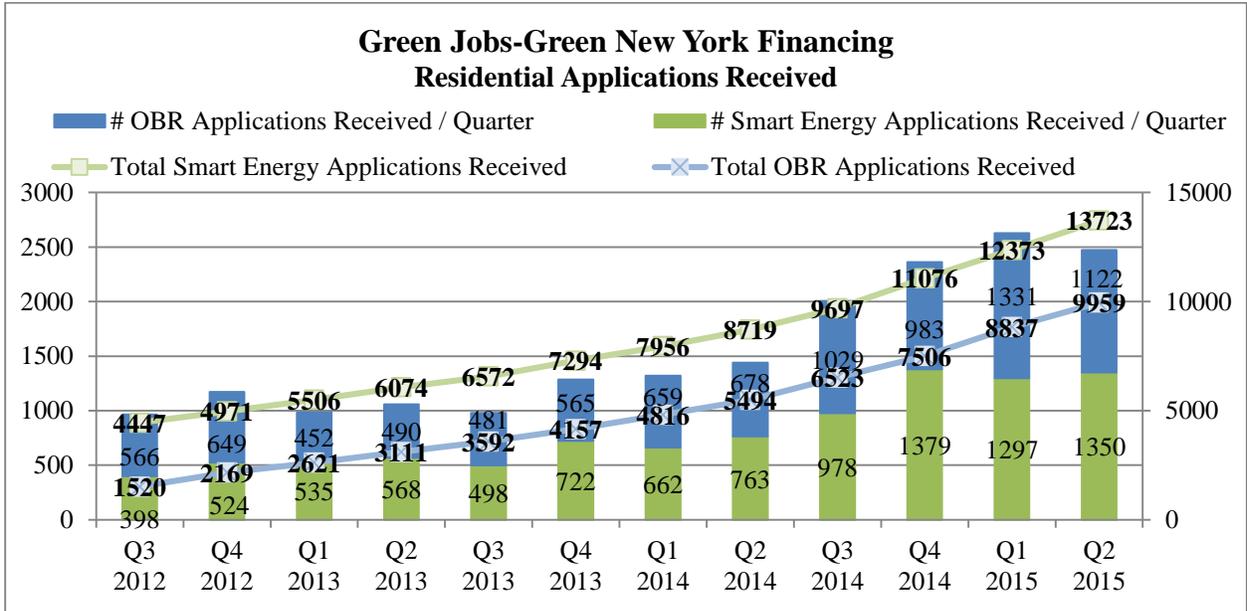


Figure 3-3. Green Jobs–Green New York Financing Loans Issued by Type, Quarterly.

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

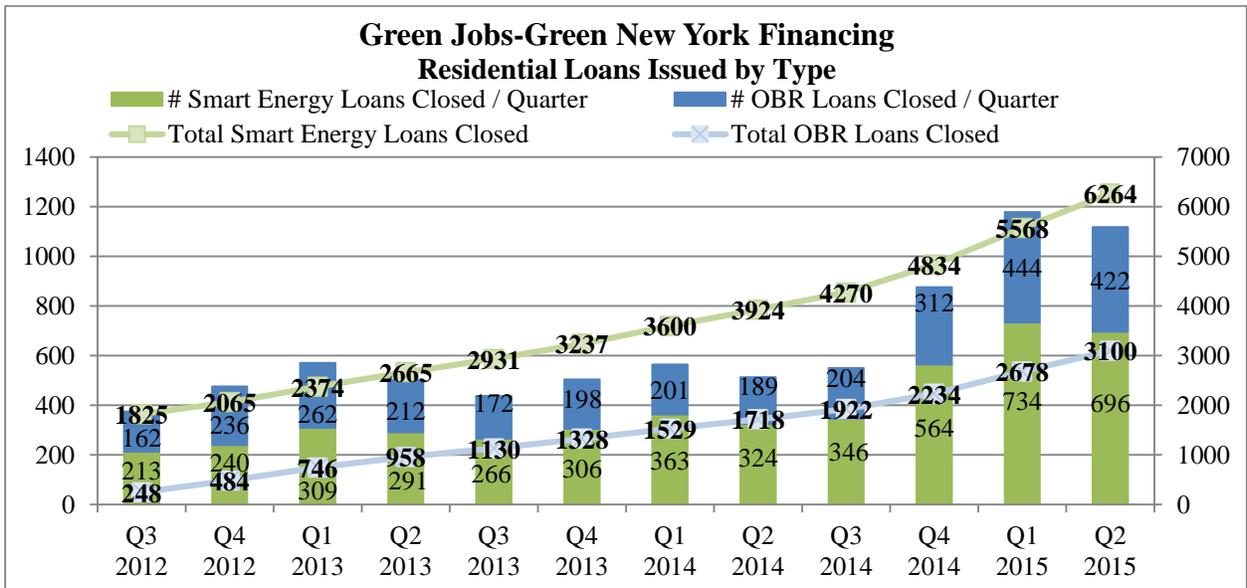


Figure 3-4. Green Jobs–Green New York Financing Loans Issued by Tier, Quarterly.

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

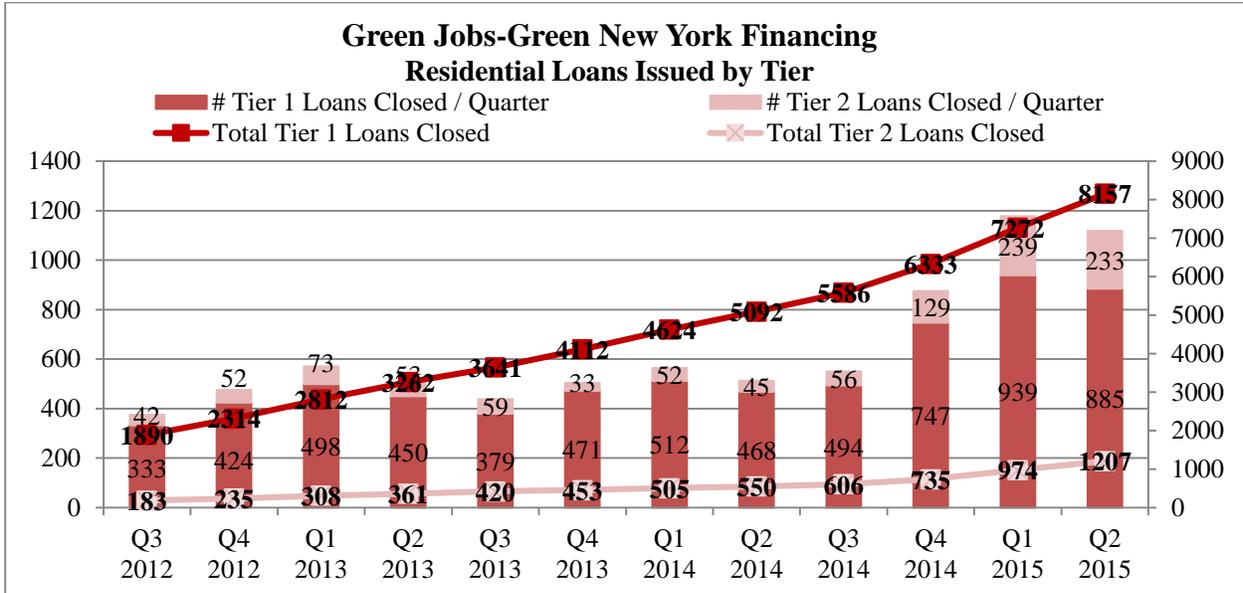


Figure 3-5. Green Jobs–Green New York Financing Loans Denied by Type, Quarterly.

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

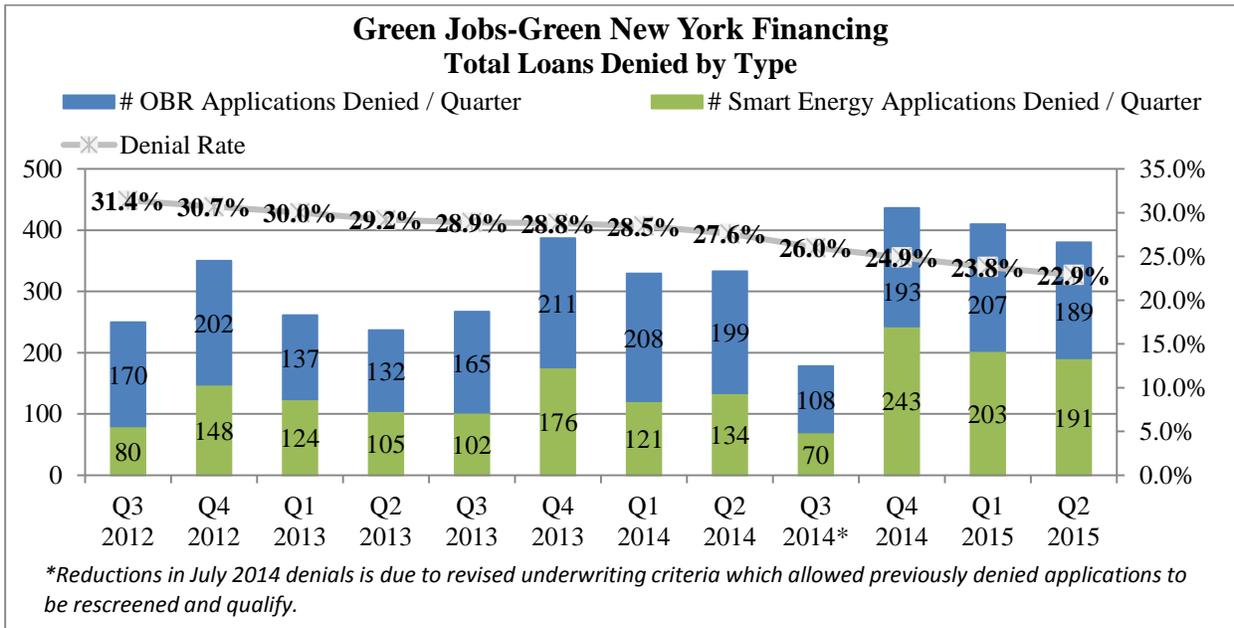


Figure 3-6. Green Jobs–Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region.

Figure 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 22.3 percent in August 2015.

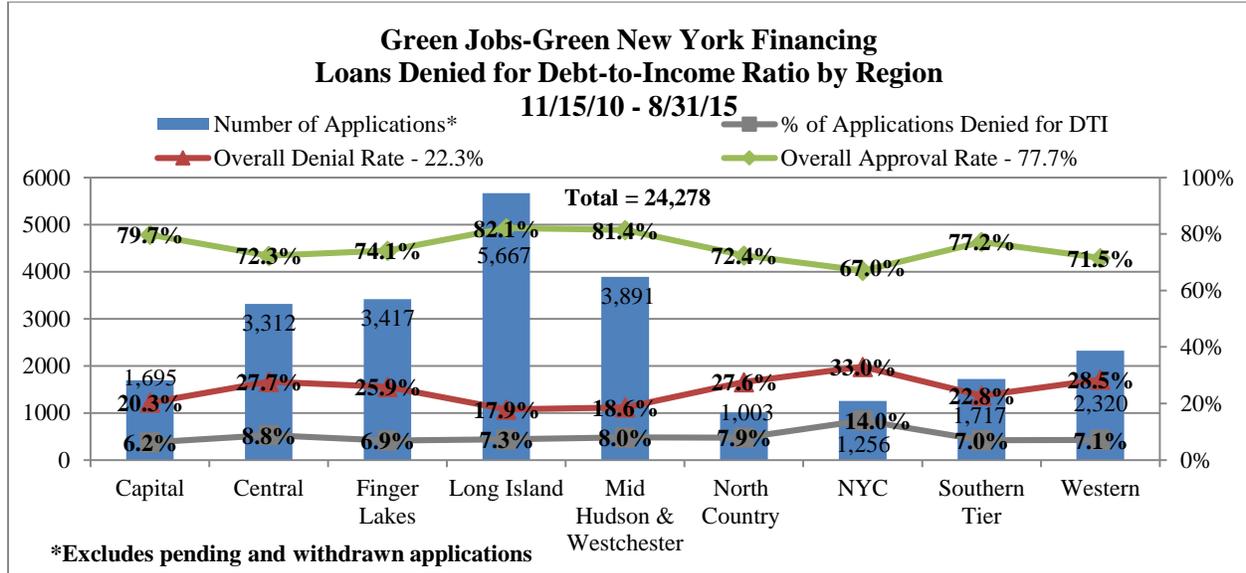


Figure 3-7. Green Jobs–Green New York Financing Percentage of Applications Denied, comparative by quarter.

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.

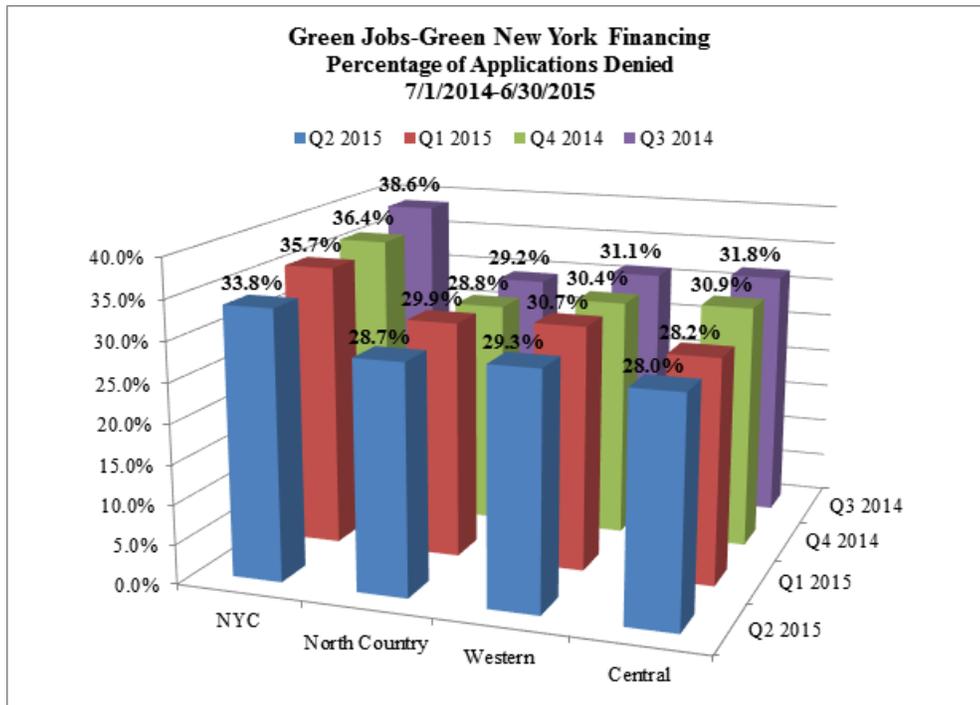


Table 3-5. Green Jobs–Green New York Financing Loans Transferred from OBR to Smart Energy.

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 August 2015, 54 loans were transferred from OBR to Smart Energy. Over the life of the program, 16.2 percent of pre-approved OBR loans were transferred to Smart Energy loans.

Smart Energy Loan Status	Cumulative Number of Loans
Pre-Approved	114
Loan Approved	150
Loan Sold	1,059
Loan Withdrawn	113
Loan Denied	16
No Loan - Subsidy Only	46
Total Number of Loans Transferred	1,444

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 August 2015, from the 333 approved assessment applications, 304 (91 percent) assessments have been completed.

Table 4-1. Multifamily Energy Performance Assessments.

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

Metric	August			Cumulative			
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total	Budget/ Goal
Received Assessment Applications	-2	-1	-3	193	140	333	
Approved Assessment Applications	-2	-1	-3	193	140	333	500
Assessment Funds Encumbered (\$)	-9,500	-6,720	-16,220	2,342,960	1,120,987	3,463,947	
Assessment Funds Invoiced (\$)	31,650	107,900	139,550	1,291,100	\$694,930	1,986,030	3,000,000
Completed Assessments	0	1	0	170	134	304	400
Number of Projects Withdrawing from MPP after Assessment*	0	0	0	17	29	46	
<p>*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. NOTE: Decreases reported in Assessment Funds Encumbered are due to project attrition.</p>							

4.2 Multifamily Energy Performance Projects

Through August 2015, the Multifamily Energy Performance Program has completed 32,894 housing units with installed measures. Of those units with installed measures, 15,539 (47 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	August			Cumulative		
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total
Projects in Pipeline*	-2	-1	-3	193	140	333
Projects Contracted to have Measures Installed	-2	-1	-3	193	140	333
Households Associated with Projects Contracted	150	128	278	32,785	32,817	65,602
Projects with Installed Measures (units)	3,822	7,016	10,838	15,539	17,355	32,894
kWh Savings of Installed Measures	-47,508	-429,696	-477,204	13,810,878.6	4,103,148.2	17,914,027
MMBtu Savings of Installed Measures	-145	4,207	4,062	198,280.1	177,455.9	375,736
Dollar Savings of Installed Measures	\$3,537,501	\$4,176,675	\$7,714,176	\$9,611,178.24	\$7,147,540.00	\$16,758,718.24
<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> <p>NOTE: Decreases reported in Projects in Pipeline and Projects Contracted are due to project attrition.</p>						

4.3 Multifamily Energy Performance Financing

As of August 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	August			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	\$0	21	\$4,403,520	\$9,243,688
Loans Closed	0	\$0	\$0	16	\$3,438,883	\$10,520,238

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 August 2015, the Small Commercial Energy Efficiency Program has received 3,822 assessment applications. Of those received applications, 3,498 (91 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	August			Program Cumulative		
	GJGNY	ARRA*	Monthly Total	GJGNY	ARRA*	Program Total
Received Assessment Applications	27	0	27	2,888	934	3,822
Completed Assessments	31	0	31	2,649	849	3,498
*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 August 2015, the Small Commercial Energy Efficiency Program estimates 700 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	August	GJGNY Program Cumulative
Estimated Projects Completed*	6	700
*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 August 2015, the Small Commercial Energy Efficiency Program has closed 26 loans with a total value of \$1,466,746. NYSERDA’s share of that total loan value is \$778,417.

Table 5-3. Small Commercial Energy Efficiency Financing.

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

Loan Status	August			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	7	\$218,736	\$613,950	78	\$1,814,056	\$3,967,906
On-Bill Recovery	3	\$149,362	\$331,786	44	\$1,527,882	\$2,149,015
Loans Closed						
Participation Loans	0	\$0	\$0	18	\$576,212	\$1,264,541
On-Bill Recovery	0	\$0	\$0	8	\$202,205	\$202,205
Total**	0	\$0	\$0	26	\$778,417	\$1,466,746
The Small Commercial Energy Efficiency Financing Program has 13 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 and nearing completion.

- The evaluation of the Home Performance with ENERGY STAR (HPwES), which includes a process evaluation, market characterization, and an analysis of CBO efforts is nearing completion. The data analysis is complete and NYSERDA is working to publish the results of this evaluation in August 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. Evaluators have completed the pre- and post-consumption billing analysis designed to assess the energy saving impacts associated with homeowners who received a GJGNY audit and did not pursue participation in the NYSERDA residential programs. NYSERDA will work toward having the preliminary results of this evaluation available in summer 2015.
- The evaluation of the Small Commercial Energy Efficiency Program seeks to quantify the impacts of the program by measuring the adoption rate over time, assessing the degree of program influence on the participant decision making and the proportion of installed measures for which customers accessed other NYSERDA funding. Data analysis is complete and preliminary results are expected in fall of 2015.