

New York State Energy Research and Development Authority

Green Jobs – Green New York April 2016 Monthly Update

Period ending April 30, 2016

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Program Description

Green Jobs – Green New York (GJGNY) 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

GJGNY 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.

1.1 Training Program Updates

Clean Energy Technical Training

Through April 2016, NYSERDA's GJGNY training partners have trained over 3,800 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. The vast majority of NYSERDA's GJGNY-funded training partnership agreements concluded by December 31, 2015 with just one remaining training contract in February 2016. SUNY Ulster will continue to deliver energy efficiency training through December 2016.

During the 2015-16 academic year, SUNY Ulster trained 205 individuals in Clean Energy and Energy Efficiency courses which include Building Performance Institute (BPI) Building Analyst, Envelope Professional, and Heating Professional as well as in several BPI courses approved for continuing education credit including Duct Testing and Confined Space for Contractors. Trainees included those new to the field as well as those established in the field who need credentials updated. SUNY Clean Energy Technology Training is a BPI-recognized provider of the BPI Written and Field Exams and hosts a Test House at SUNY Ulster in Stone Ridge for those needing field recertification.

In the renewable energy arena, SUNY Ulster training has been delivered in Photovoltaic Systems, North American Board of Certified Energy Practitioners (NABCEP) Entry Level Certificate Assessment Preparation, NABCEP Entry Level Certificate Assessment, Advanced PV Off-Grid, Electrical Theory I and Electrical Distribution. New this year is training for manufacturing workers in Green Production which allows all manufacturing sectors to train their employees in the use of equipment, technologies and processes that will improve the environment performance of the manufacturing process.

1.2 Workforce Development Working Group

In January 2016, a workforce development working group was formed as a subcommittee to the GJGNY Advisory Council in response to recommendations made by the GJGNY Low to Moderate Income Working Group. The group convenes about once per month and plans to present its final recommendations to the GJGNY Advisory Council in summer 2016.

Workforce opportunities and needs identified in the [Green Jobs-Green New York Low to Moderate Income Working Group Recommendations Report](#):

- Role of CBOs
- Workforce investments and job quality
- Work with DOL on data collection related to workers
- Career pathways, training continuum, apprenticeships, direct entry
- Regional stakeholder advisory groups
- Communication of issues, lessons learned, etc.
- Labor standards

Working group members include: Jason Kuflik, Ellen Redmond, Ross Gould, Dave Hepinstall, Tony Joseph, Will Schweiger, Stephan Edel, Clarke Gocker, Hal Smith, Paul Shatsoff, Marilyn Oppedisano and Adele Ferranti (convener).

2 Outreach and Marketing

GJGN Y Outreach and Marketing provides for community-based outreach, enabling one-on-one assistance with the process of participating in the GJGN Y 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

Constituency-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 2016, CBOs are responsible for 6,621 completed assessments resulting in 2,174 completed retrofits. Approximately 50 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 50 percent of customers reached by CBOs are higher income households.

Figure 2-1. CBO Percentage of GJGN Y Completed Assessments.

Figure 2-1 provides percentages of GJGN Y residential assessment completions by quarter that were initiated by CBOs versus other sources, such as home performance contractors or online searches.

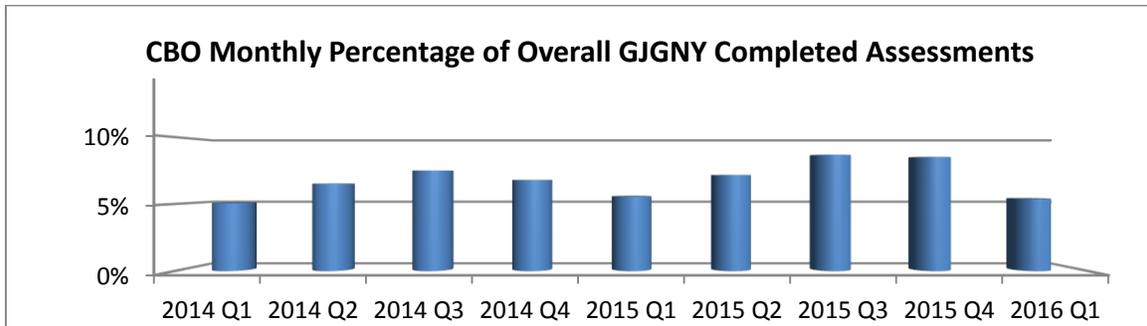


Figure 2-2. CBO Percentage of GJGN Y Unit Completions.

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

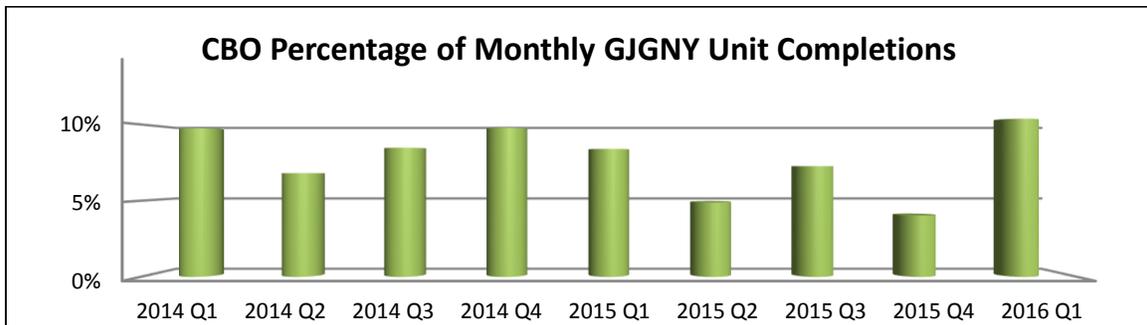
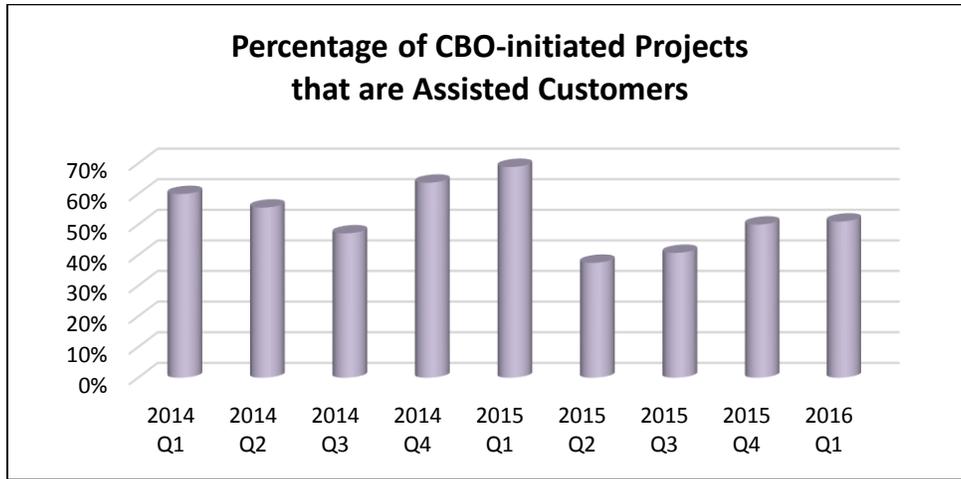


Figure 2-3. Percentage of CBO-initiated Projects that are for Assisted Customers.

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



CBO Meetings

Long Island Progressive Coalition (LIPC) met with Nassau County Girl Scouts and has begun giving presentations on energy efficiency to teach the scouts and network with the parents who are likely homeowners. From their recent meeting with 35 staff members at the Girl Scout organization, 15 leads were gained.

Neighborhood Housing Services of Staten Island participated in a local school’s Health and Wellness Fair, providing literature to six homeowners. In addition, they spoke with seven homeowners at the Blue Shield Go Green Event.

PathStone has begun engaging with large employers and groups to give program information to employees and/or members. Presentations took place during April at two churches via Catholic Family Centers, and one staff presentation at Wal-Mart.

PUSH Buffalo participated in Councilmember Joel Feroletto’s April event at North District Common Council in Buffalo where approximately 25 interested parties engaged in conversation about the program and solar, with several homeowner appointments scheduled as a result.

Sustainable South Bronx met with Bishop Ebony Kirkland, president of the Bronx Hispanic Chamber of Commerce to collaborate on a plan to hold energy forums.

Affordable Housing Partnership conducted a presentation at the First Unitarian Society in Albany.

Monthly CBO Downstate Convening

The monthly CBO Downstate Convening was held on April 20 at the Queens office of Chayya, the local CBO subcontractor. Among the topics were looking up contractor licenses online, and getting press and marketing material approved.

Innovative Outreach

Public Policy and Education Fund attended the Southern Tier Home and Garden show in addition to Earth Day at Broome Community College. They also facilitated newspaper ads and articles about the program. Feedback on those efforts has been favorable.

PathStone began a second year managing the Canandaigua Home Energy Improvement Program, a program that matches funds from the City of Canandaigua to leverage NYSERDA funds.

One- to Four-Family Residential Buildings Program

GJGNY provides home assessments and financing to support energy efficiency and renewable energy improvements to one-to-four family homes.

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.

The GJGNY loan also supports deployment of solar photovoltaic (PV) through the NY-Sun program, solar thermal (hot water) systems, and certain wood and pellet stove replacements through Renewable Heat NY.

3.1 Home Performance with ENERGY STAR® Assessments

Through April 2016, from the 122,017 approved assessment applications, 93,192 (76 percent) assessments have been completed. In the month of April, 1,997 free/reduced-cost comprehensive home energy assessment applications were received. The Program-to-date conversion rate from assessment to energy retrofit is 30 percent. The conversion rate for the period between April 2015 and April 2016 was a robust 38 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			
April	131	1,997	
Program to Date	10,191	128,109	
Average # of Applications Received per Month	185	1,956	
Approved Audit Applications			
Free			
April	142	1,950	
Program to Date	9,761	112,817	
Reduced Cost			
April	9	160	
Program to Date	555	9,200	
Total Approved Audit Applications	10,316	122,017	
Average # of Applications Approved Per Month	188	1,863	
Scheduled Audits			
Scheduled Audits as of End of Current Month	89	5,943	
Completed Audits			
Goal: (77,500-Audits)	Free		
	April	66	1,362
	Program to Date	6,252	86,377
	Reduced Cost		
	April	3	111
	Program to Date	369	6,815
Total Completed Audits	6,621	93,192	
Audit Funds Invoiced to Date		\$ 23,616,120.00	
^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 26,724 projects completed through HPwES resulting from a GJGNY assessment and/or GJGNY financing, 8,775 (33 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 2016, there were 766 HPwES project completions, of which 717 (94 percent) were associated with a GJGNY assessment or loan. Forty-two 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.

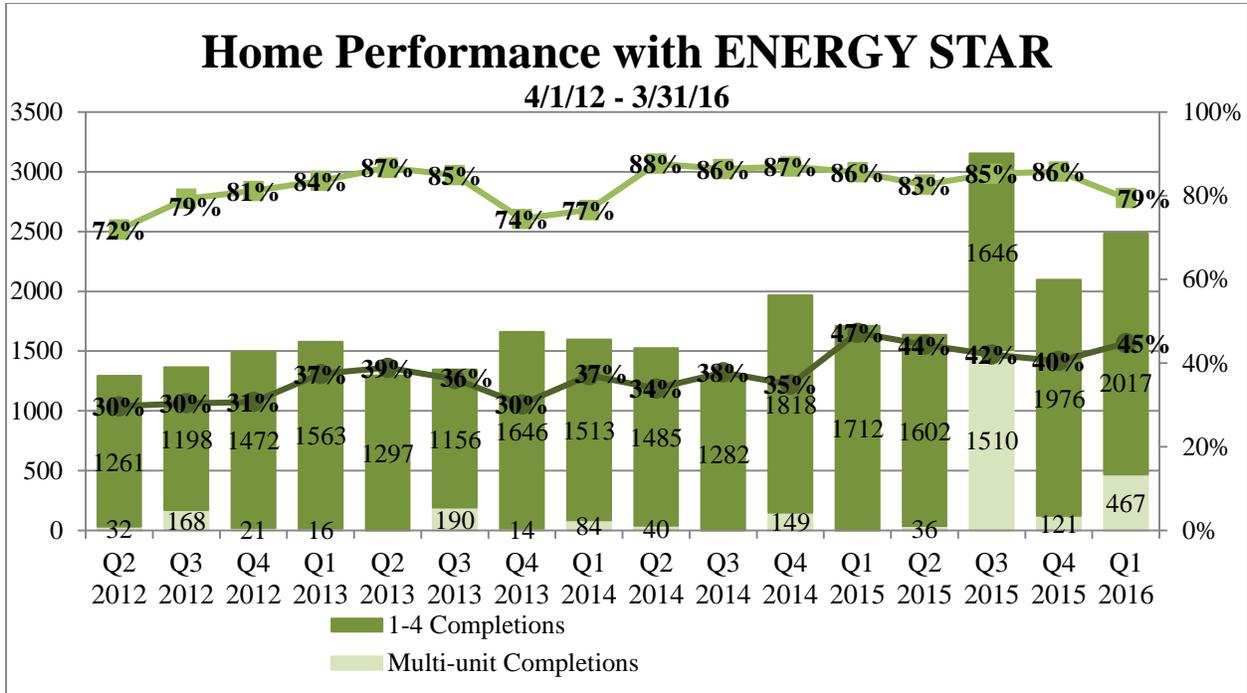
Table 3-2. Home Performance with ENERGY STAR Projects.

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	2,194	26,321	NA
Completed Projects/Units^c			
Assisted			
April	21 / 25	300 / 306	330 / 338
Program to Date	1021 / 1208	8,775 / 9,174	14,841 / 15,438
Market Rate			
April	17 / 17	417 / 423	436 / 443
Program to Date	1057 / 966	17,949 / 18,146	22,753 / 23,005
Total Completed Projects/Units (Project Goal: 25,000)	2078 / 2174	26,724 / 27,330	37,594 / 38,443
^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.			

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.



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 April 30, 2016, 14,584 Residential GJGNY Loans have closed to date, comprising of 10,881 Home Performance with Energy Star® (HPwES) loans, 3,691 Photovoltaic (PV) loans, 5 Solar Thermal (ST) loans and 7 Renewable Heat NY (RHNY) loans. Of the 14,584 total loans closed, 15.2 percent are Tier 2 customers, representing 14.9 percent of the total funds, while 84.8 percent are Tier 1 customers representing 85.1 percent of the funds.

Of the 10,881 HPwES loans closed to date, 30.5 percent are for Assisted HPwES customers, representing 22.8 percent of the total funds; while 69.5 percent are for Market Rate customers representing 77.2 percent of the total funds; 15.5 percent are Tier 2 customers, representing 15.0 percent of the total funds, while 84.5 percent are Tier 1 customers representing 85.0 percent of the funds. Of the loans closed for Assisted HPwES customers, 72.2 percent are Tier 1 loans, while 27.8 percent are Tier 2.

Since the launch of On-Bill Recovery, 27.6 percent of the Assisted HPwES customers who access financing use OBR Loans, while 34.3 percent of the Market Rate HPwES customers who access financing use OBR Loans; 27.8 percent of Tier 2 customers use OBR Loans while 33.1 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	15,488	11,233	7,720	\$72,701,958	767	\$7,094,968
EE On-Bill Recovery Loan	8,796	5,783	3,161	\$35,743,409	190	\$2,915,907
Total	24,284	17,016	10,881	\$108,445,368	957	\$10,010,876
PV Smart Energy Loan	3,198	2,955	1,785	\$29,992,455	573	\$9,546,485
PV On-Bill Recovery Loan	4,509	3,878	1,887	\$32,703,592	683	\$11,536,130
Total	7,707	6,833	3,672	\$62,696,048	1,256	\$21,082,615
EE & PV Smart Energy Loan	67	49	14	\$250,501	3	\$69,653
EE & PV On-Bill Recovery Loan	183	95	5	\$110,783	3	\$60,157
Total	250	144	19	\$361,283	6	\$129,809
RHNY Smart Energy Loan	9	9	6	\$108,503	2	\$10,819
RHNY On-Bill Recovery Loan	1	1	1	\$13,445	0	\$0
Total	10	10	7	\$121,948	2	\$10,819
ST Smart Energy Loan	5	5	5	24,165	0	0
ST On-Bill Recovery Loan	0	0	0	0	0	0
Total	5	5	5	\$24,165	0	\$0
Grand Total	32,256	24,008	14,584	\$171,648,812	2,221	\$31,234,119

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
8,037	1493	Loans Closed	4,330	724
\$87,209,770	\$15,867,813	Value	\$58,798,676	\$9,772,553
\$10,851	\$10,628	Average Loan	\$13,579	\$13,498
13.1 Years	14 Years	Average Term	14.7 Years	14.7 Years
N/A	N/A	2.99%	19.01%	12.98%
85.02%	82.79%	3.49%	80.99%	87.02%
14.98%	17.21%	3.99%	N/A	N/A
79.19%		Approval Rate*	76.20%	
15.85%		Denial Rate*	19.94%	
4.96%		Denied Tier 1, didn't pursue Tier 2*	3.86%	

* Does not include applications pending review or withdrawn.

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.

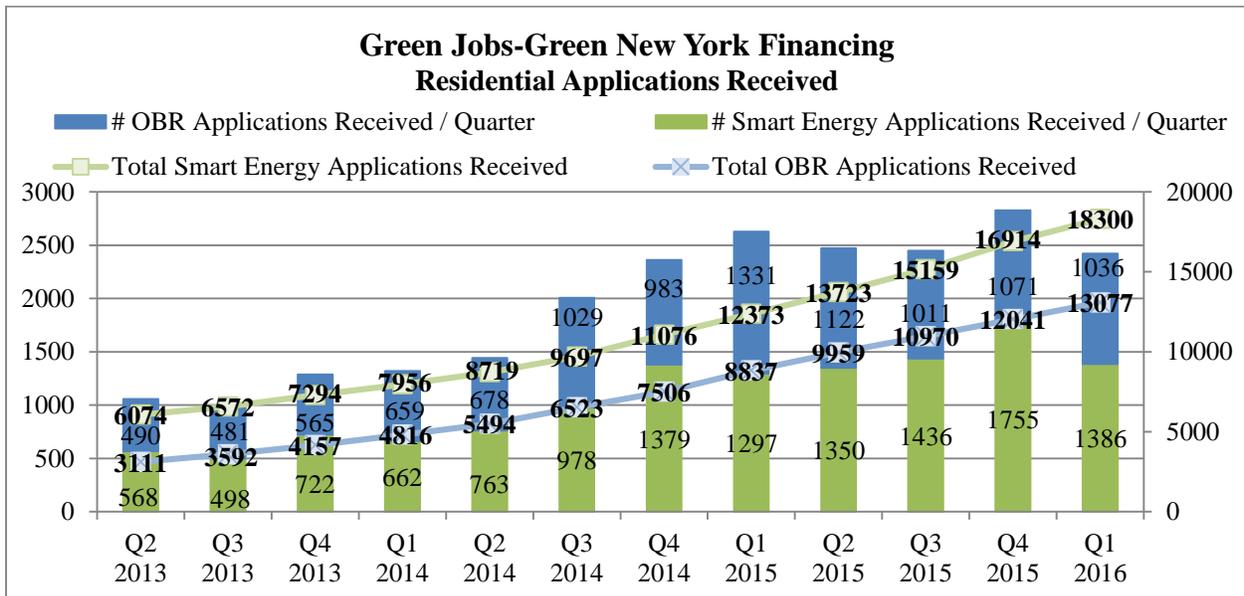


Figure 3-3. Green Jobs–Green New York Financing Loans Issued by Type, Quarterly.

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

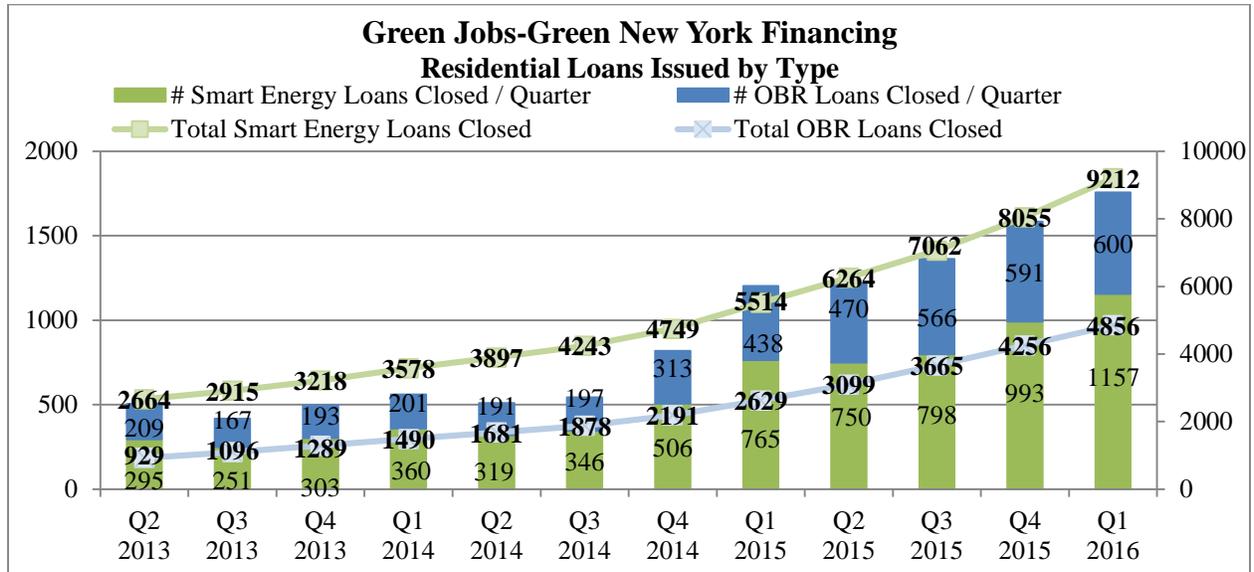


Figure 3-4. Green Jobs–Green New York Financing Loans Issued by Tier, Quarterly.

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

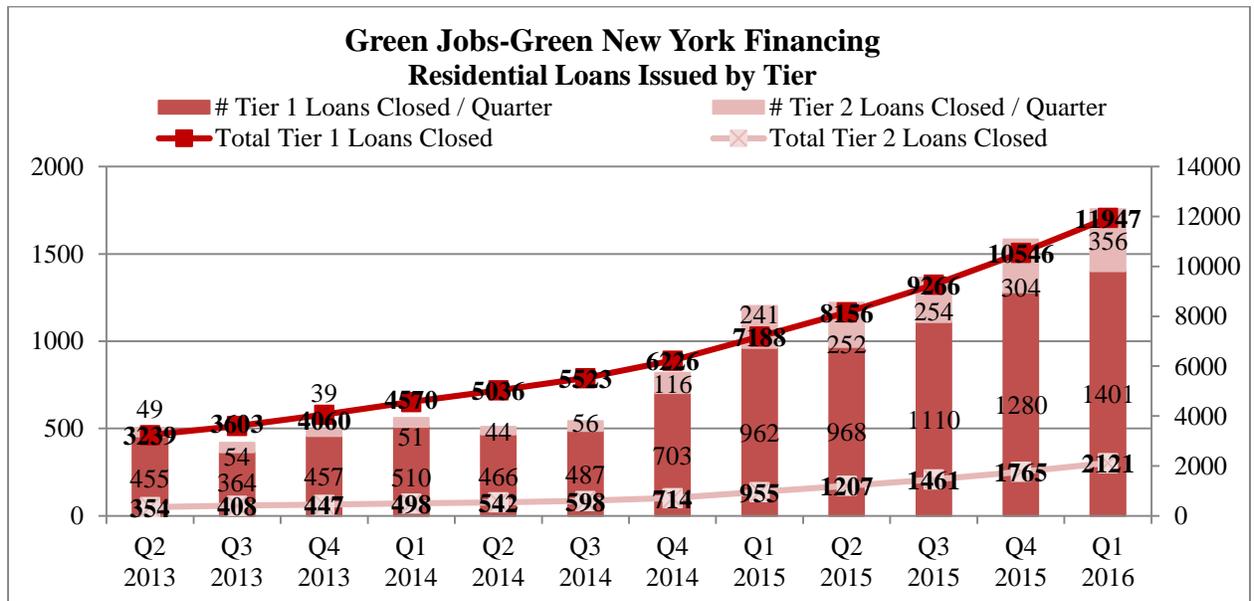


Figure 3-5. Green Jobs–Green New York Financing Loans Denied by Type, Quarterly.

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

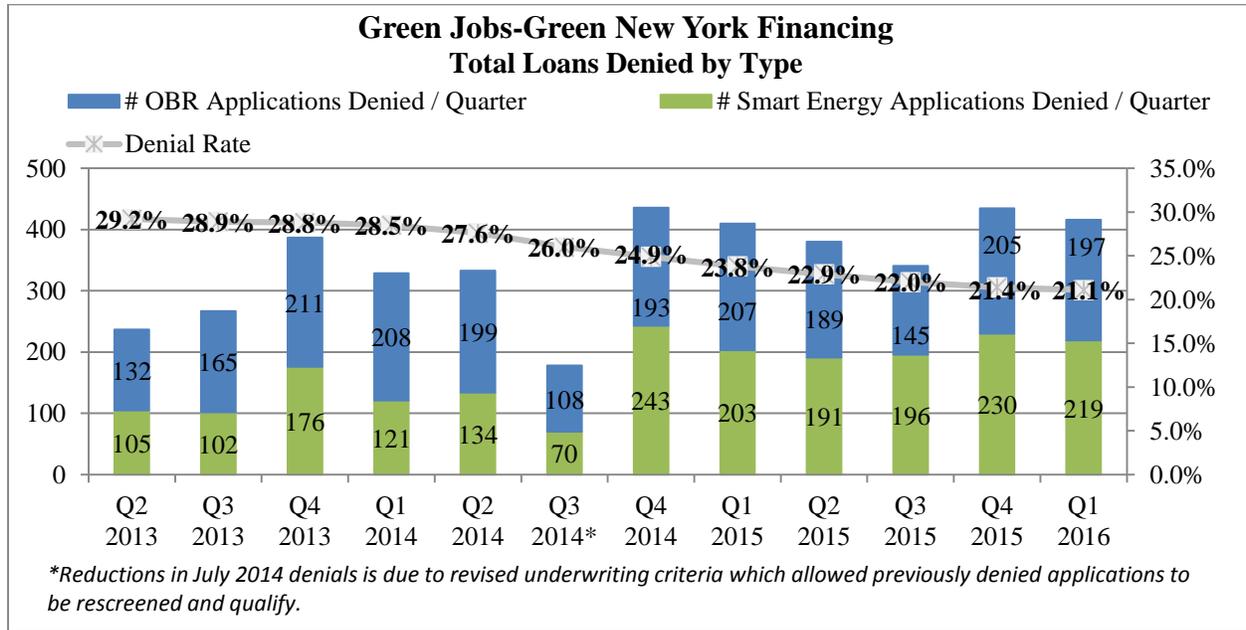


Figure 3-6. Green Jobs–Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region.

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 21.1 percent in April 2016.

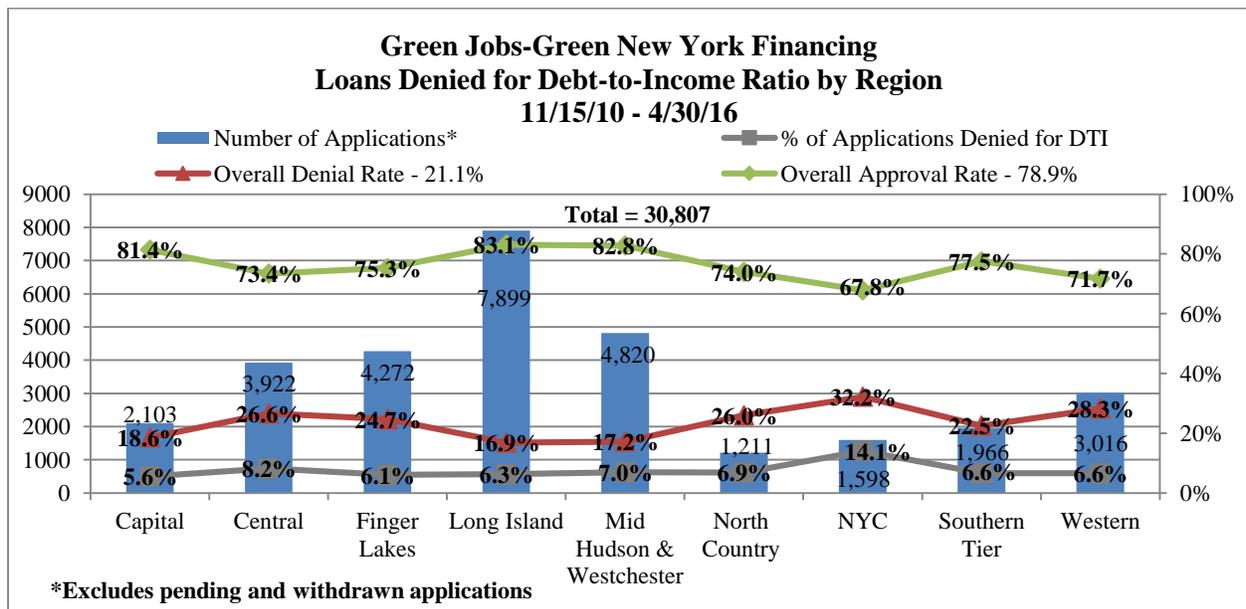


Figure 3-7. Green Jobs–Green New York Financing Percentage of Applications Denied, comparative by quarter.

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.

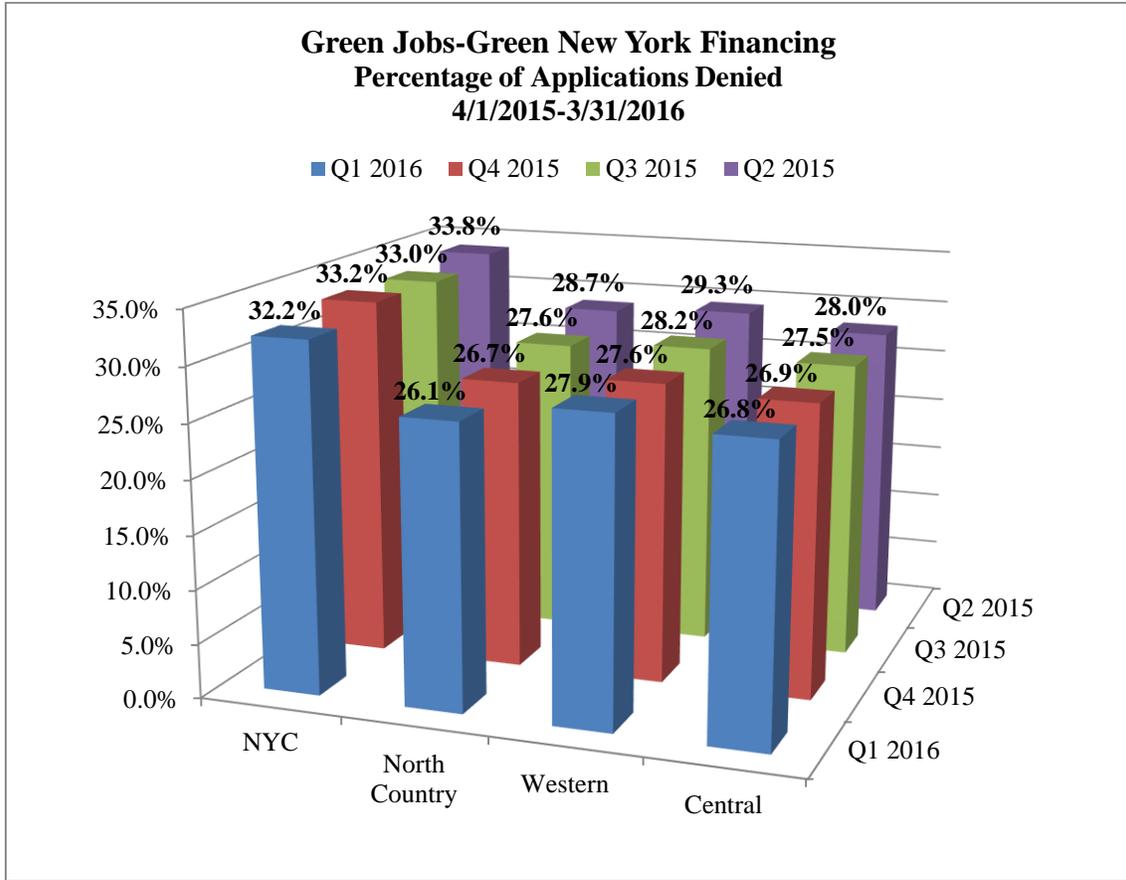


Table 3-5. Green Jobs–Green New York Financing Loans Transferred from OBR to Smart Energy.

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 2016, 73 loans were transferred from OBR to Smart Energy. Over the life of the program, 18.2 percent of pre-approved OBR loans were transferred to Smart Energy loans.

Smart Energy Loan Status	Cumulative Number of Loans
Pre-Approved	166
Loan Approved	228
Loan Sold	1,570
Loan Withdrawn	132
Loan Denied	31
No Loan - Subsidy Only	4
Total Number of Loans Transferred	2,131

3 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 2016, 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	April			Cumulative			
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total	Budget/ Goal
Received Assessment Applications	0	0	0	193	140	333	
Approved Assessment Applications	0	0	0	193	140	333	500
Assessment Funds Encumbered (\$)	0	0	0	2,342,960	1,120,987	3,463,947	
Assessment Funds Invoiced (\$)	0	0	0	1,291,100	\$694,930	1,986,030	3,000,000
Completed Assessments	0	0	0	170	134	304	400
Number of Projects Withdrawing from MPP after Assessment*	0	0	0	17	29	46	

*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 2016, 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	April			Cumulative		
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total
Projects in Pipeline*	0	0	0	193	140	333
Projects Contracted to have Measures Installed	0	0	0	193	140	333
Households Associated with Projects Contracted	0	0	0	32,785	32,817	65,602
Projects with Installed Measures (units)	0	0	0	15,539	17,355	32,894
kWh Savings of Installed Measures	0	0	0	13,810,878.6	4,103,148.2	17,914,027
MMBtu Savings of Installed Measures	0	0	0	198,280.1	177,455.9	375,736
Dollar Savings of Installed Measures	0	0	0	\$9,611,178.24	\$7,147,540.00	\$16,758,718.24
*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.						

4.3 Multifamily Energy Performance Financing

As of April 2016, the Multifamily Performance Program has closed 22 loans with a total value of \$12,099,798. NYSERDA’s share of that total loan value is \$3,834,685.

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	\$0	22	\$3,834,685	\$12,099,798
Loans Closed	0	\$0	\$0	22	\$3,834,685	\$12,099,798

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 2016, the Small Commercial Energy Efficiency Program has received 4,147 assessment applications. Of those received applications, 3,836 (93 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	43	0	43	3,213	934	4,147
Completed Assessments	49	0	49	2,987	849	3,836

*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 2016, the Small Commercial Energy Efficiency Program estimates 1,688 project completions as a result of GJGNY funded assessments.

Table 5-2. Small Commercial Energy Efficiency Projects.

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

Metric	April	GJGNY Program Cumulative
Estimated Projects Completed*	22	1688
*The 2015 Small Commercial Energy Efficiency Program Impact Evaluation found that 44 percent of the energy savings recommended through program audits were reported to be implemented. 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 2016, the Small Commercial Energy Efficiency Program has closed 47 loans with a total value of \$2,510,743. NYSERDA’s share of that total loan value is \$1,482,169.

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	7	\$135,299	\$270,596	105	\$2,200,856	\$4,741,556
On-Bill Recovery	6	\$195,991	\$245,991	65	\$1,999,215	\$2,676,071
Loans Closed						
Participation Loans	0	\$0	\$0	26	\$845,137	\$1,796,694
On-Bill Recovery	2	\$73,590	\$73,590	21	\$637,032	\$714,049
Total	2	\$73,590	\$73,590	47	\$1,482,169	\$2,510,743
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% of the total energy 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

Two evaluations are nearing completion and one is currently underway.

- The evaluation of the residential GJGNY activities is nearing completion. This evaluation of the Home Performance with ENERGY STAR (HPwES) program, which includes a process evaluation, market characterization, and an analysis of CBO efforts is in the final stages of review. Feedback received from program staff was incorporated in the final draft report. NYSERDA is working toward finalizing this report in mid-2016.
- As a part of the impact evaluation of the HPwES program, the evaluators assessed the energy-saving impacts associated with homeowners who received a GJGNY audit but did not pursue participation in the NYSERDA residential programs. NYSERDA is working toward having the evaluation results available in mid-2016.
- An evaluation of the GJGNY Jobs impacts is currently underway. This study is designed to update the GJGNY Jobs analysis that was conducted in 2013. This GJGNY Jobs assessment will be conducted using a phased approach. Phase 1 involves primary data collection via telephone and web-based surveys of various GJGNY market actors and the Phase 2 component of the evaluation includes an update to the 2013 macroeconomic assessment of indirect jobs. This evaluation is currently in the Phase 1 stage; surveys and in-depth interviews of program associates are underway. Primary data collection with program participants is expected to begin June 2016 and continue through July 2016. Phase 2 analysis utilizing primary data collected in Phase 1 is planned to begin August 2016. NYSERDA will work toward a final report in November of 2016.