



NYSERDA

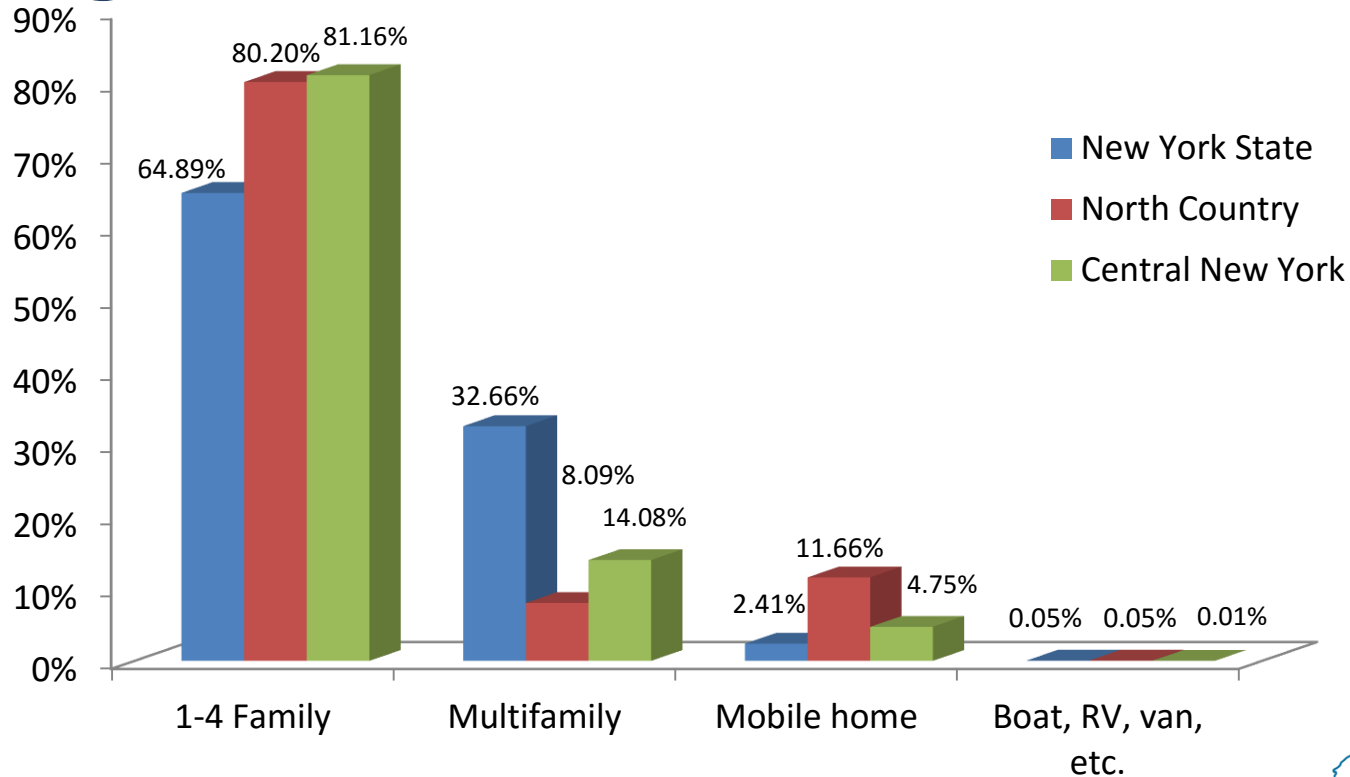
An Overview of LMI Initiatives under REV

June 14, 2016

Low- to Moderate- Income (LMI)

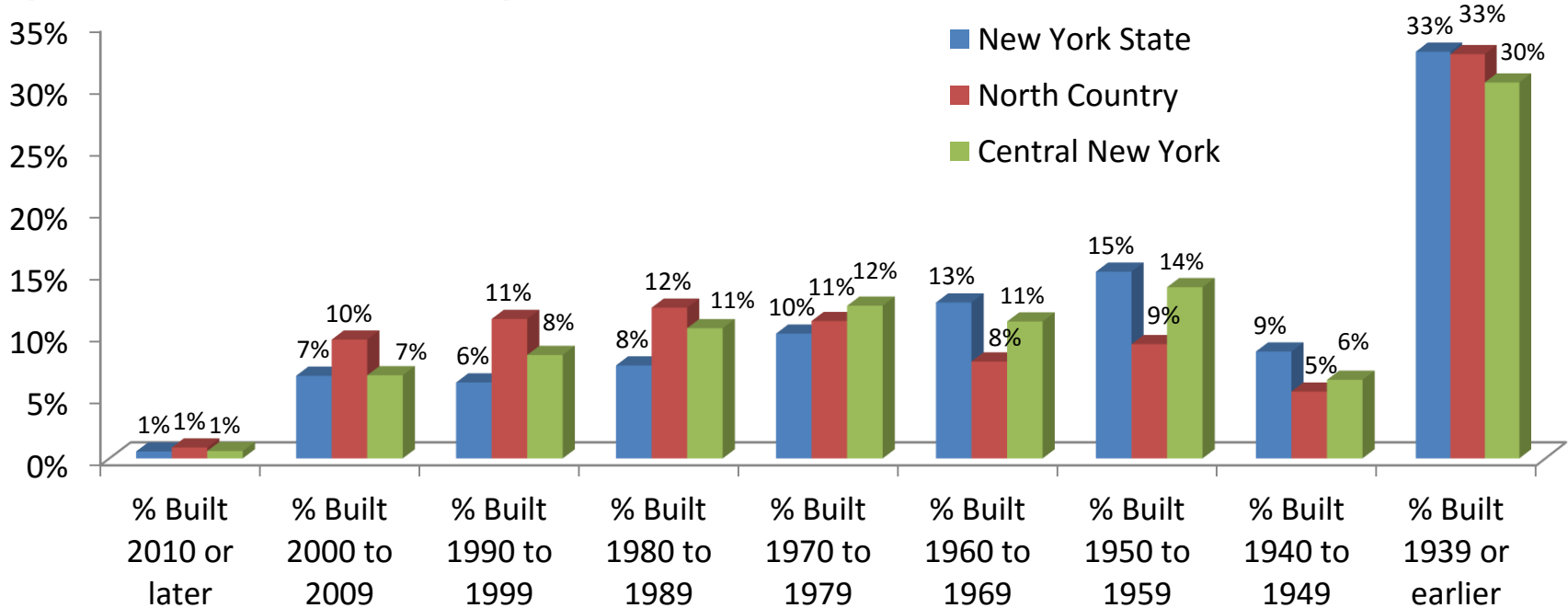
- Nearly 40% of NYS households have incomes at or below 80% State Median Income; 2.3 million households have income below 60% of State Median Income.
- LMI customers spend a disproportionate amount of their income to meet their energy needs.
- LMI customers and communities face unique barriers to accessing the benefits of clean energy.
- Energy affordability is influenced by condition of housing stock, fuel source, and behavior, as well as income.
- To meet ambitious clean energy, environmental, and affordability goals, New York State must find solutions to enhance access to and uptake of energy efficiency and renewable energy solutions for LMI customers and communities.

Housing Stock

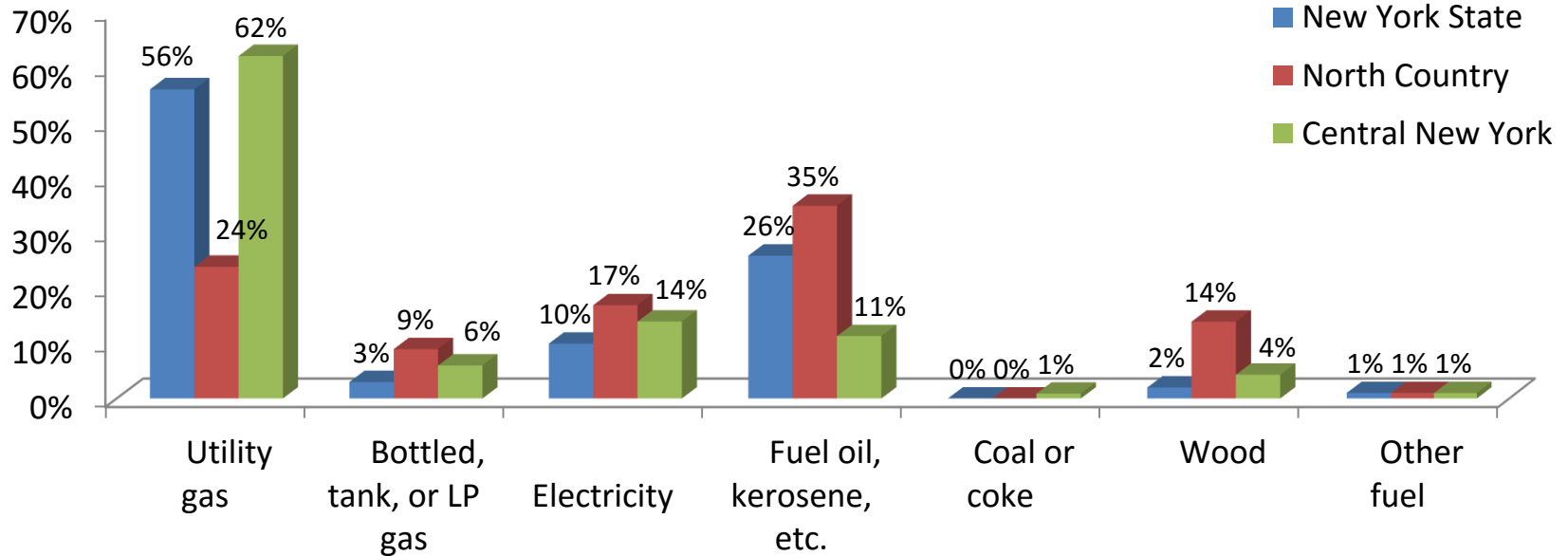


Source: 2014 American Community Survey

Age of Housing Stock



Home Heating by Energy Source



Energy Affordability

Region	< 50% FPL		
	Households	Energy Burden	Gap/HH
North Country	16,179	36.5%	\$2,152
Central NY	28,996	28.2%	\$1,591
New York State	510,385	26.1%	\$1,481

< 100% FPL		
Households	Energy Burden	Gap/HH
37,578	26.8%	\$1,948
60,863	21.4%	\$1,404
1,142,850	19.4%	\$1,270

< 200% FPL		
Households	Energy Burden	Gap/HH
85,064	17.5%	\$1,412
128,212	14.4%	\$907
2,378,464	13.2%	\$807

Source: New York 2015 Home Energy Affordability Gap; Fisher, Sheehan, and Colton

Inability to Pay Energy Bills

NEADA National Assistance Survey, April 2010
 Inability to Pay Energy Bills During Past Year (2009)

	n=1,828 % of Respondents
Skipped paying or paid less than entire home energy bill	50%
Received notice or threat of disconnect or discontinuance of electricity or home heating fuel	36%
Electricity shut off due to nonpayment	9%
Heating system broken and unable to pay for repair or replacement	13%
Unable to use main source of heat because unable to pay for a fuel delivery	11%
Unable to use main source of heat because utility company discontinued gas or electric service due to non payment	11%
Had to Go Without Showers or Baths Due to Lack of Hot Water	10%
Had to Use Candles or Lanterns Due to Lack of Lights	8%

DA



Housing Problems Due to Energy Bills

NEADA National Assistance Survey, April 2010

Housing Problems Due to Energy Bills in the Past Five Years

	n=1,828 % of Respondents
Did not make full rent or mortgage payment	31%
Evicted from home or apartment	5%
Had mortgage foreclosure	4%
Moved in with friends or family	12%
Moved into shelter or was homeless	3%

Medical and Health Problems Due to Energy Bills

NEADA National Assistance Survey, April 2010

Medical and Health Problems Due to Energy Bills in the Past Five Years, by Vulnerable Group

	Senior	Disabled	Child Under 18	Non-Vulnerable
n	757	788	770	152
Went without food for at least one day	20%	36%	33%	49%
Went without medical or dental care	29%	41%	45%	72%
Didn't fill prescription or took less than full dose	26%	40%	37%	40%
Unable to pay energy bill due to medical expenses	16%	28%	26%	24%

Reforming the Energy Vision (REV)

Governor Cuomo's comprehensive strategy to build a **clean**, **resilient** and **affordable** energy system for all New Yorkers.

- Reforming the Utility Regulatory System
- Evolution of NYS Clean Energy Programs
 - Clean Energy Fund
- Leading by Example with the State's Assets
- Emphasis on Low-to-Moderate Income Sector

PSC LOW INCOME AFFORDABILITY ORDER

- Unified Standard for Utility Discount Programs
- 6% Energy Burden
- Expanded Coverage from 1.1M to 1.65M households
- \$248 million in annual benefits

EXISTING LMI PROGRAMS

- EmPower NY – NYSERDA
- Assisted Home Performance w/ Energy Star – NYSERDA
- Multifamily Performance Program – NYSERDA
- Weatherization Assistance Program (WAP) – HCR
- Low Income Home Energy Assistance Program – OTDA

Align, Coordinate, Enhance Market Delivery

- Low Income Energy Inter-Agency Task Force
 - DPS, NYSERDA, HCR, OTDA, Gov's Office
- LMI Market Characterization Study

CREATIVE FINANCING SOLUTIONS

De-Risking transactions from individual end-user credit quality

- Credit Enhancement
 - Foundation PRI
 - NYSERDA Affordable Solar Program
- Community Solar – facilitate back-up subscribers
- PACE Financing for Affordable Housing projects (w/ QECBs)
- Utility Tariff-Based Financing
- Potential NYGB Products

AFFORDABLE HOUSING INITIATIVES

- Benchmarking Energy Use across portfolios
- ‘Green’ Physical Needs Assessments
- New optional ‘Passive House’ track in HCR’s UFA
- Healthy Homes Initiative
- Deep Energy Retrofit Innovation Program

BUT WAIT...THERE'S MORE

- REVitalize – Community Clean Energy Planning
- NYSERDA's Affordable Solar program
- Workforce Development Initiatives
- LMI focused REV Demonstration Projects
 - Con Ed RFI
- Community DG – LMI Participation (PSC Proceeding)
- ESCO / Consumer Protection (PSC Proceeding)



LMI Initiatives

Preservation Strategy and Climate Solution

- Energy solutions can help address Affordable Housing needs and constraints
 - Aging stock: capital needs / capital constraints
 - Resident health, comfort and affordability
 - Resident relocation issue
- Affordable Housing can be a pathway to scale → help achieve NYS climate goals

A Targeted but Comprehensive Initiative

