

# HOME ENERGY AFFORDABILITY IN NEW YORK: 2011

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## WHAT ARE WE GOING TO DO TODAY?

- Take a look at this year's Home Energy Affordability Gap
- Examine some of the factors that affect the Affordability Gap
- Consider some of the geographic differences in New York

# WHERE DO WE START?

## UNDERSTANDING HOME ENERGY BURDENS

$$\text{Home energy burden} = \frac{\text{Home energy bill}}{\text{Household income}}$$

- Total shelter burdens affordable at 30% of income.
- Utility costs should be no more than 20% of shelter costs.
- Utility costs affordable at 6% of income

$$(20\% \times 30\% = 6\%)$$

# HOME ENERGY AFFORDABILITY GAP BY POVERTY LEVEL

Poverty Level	Aggregate Gap	Per Household Gap
Less than 50%	\$1,452,244,812	\$3,053
50 – 74%	\$685,371,709	\$2,667
75 – 99%	\$782,156,283	\$2,430
100 – 124%	\$670,285,212	\$2,211
125 – 149%	\$603,059,255	\$1,966
150-184%	\$492,499,102	\$1,683
185 – 199%	\$202,660,306	\$1,554
200 – 299%	\$245,646,068	\$1,449
300 – 399%	\$968,467,302	\$885
400 – 499%	\$124,314,809	\$132
Total statewide average	\$6,286,704,888	\$1,451

# HOME ENERGY AFFORDABILITY GAP BY POVERTY LEVEL

Poverty Level	No. of Households	Average Energy Burden
Less than 50%	475,698	78.3%
50 – 74%	256,948	31.3%
75 – 99%	321,913	22.4%
100 – 124%	303,130	17.6%
125 – 149%	306,130	14.4%
150-184%	306,800	11.9%
185 – 199%	292,649	11.1%
200 – 299%	130,380	10.4%
300 – 399%	165,556	8.1%
400 – 499%	1,094,817	5.8%
Total statewide average	4,290,943	xxx

# HOME ENERGY BURDENS BY SELECTED POVERTY LEVELS: NUMBER OF COUNTIES

74 – 99%		150 – 184%		185 – 199%		200 – 299%		300 – 399%	
Burden	No. Cnties								
<6%	0	<6%	0	<6%	0	<6%	0	<6%	0
<20%	2	<12%	11	<11%	8	<10%	5	<8%	10
20 – 24.9%	18	12-13.9%	26	11-12.9%	29	10-11.9%	28	8-8.9%	17
25-30%	36	14-15.9%	20	13-14.9%	20	12-13.9%	24	9-10.9%	31
30%+	4	16%+	3	15%+	3	14%+	3	11%+	2

# HOME ENERGY BURDENS BY COUNTY

74 – 99%		150 – 184%		185 – 199%		200 – 299%		300 – 399%	
Burden	No. Cnties	Burden	No. Cnties	Burden	No. Cnties	Burden	No. Cnties	Burden	No. Cnties
Min	19.6%	Max	10.2%	Min	9.5%	Min	8.9%	Min	6.9%
Max	32.1%	Min	16.7%	Max	15.6%	Max	14.6%	Max	11.2%
Avg	22.4%	Avg	11.9%	Avg	11.1%	Avg	10.4%	Avg	8.1%

# HOME ENERGY AFFORDABILITY GAP BY POVERTY LEVEL AND YEAR

Poverty Level	2008	2010	2011
Less than 50%	\$2,579	\$1,479	\$3,053
50 – 74%	\$2,217	\$1,092	\$2,667
75 – 99%	\$1,974	\$845	\$2,430
100 – 124%	\$1,768	\$617	\$2,211
125 – 149%	\$1,549	\$369	\$1,966
150-184%	\$1,261	\$153	\$1,683
185 – 199%	\$1,158	\$102	\$1,554
200 – 299%	\$1,036	\$65	\$1,449
300 – 399%	\$499	\$1	\$885
400 – 499%	\$21	\$0	\$132
Statewide total	\$1,072	\$371	\$1,451

# HOME ENERGY BURDEN BY POVERTY LEVEL AND YEAR

Poverty Level	2008	2010	2011
Less than 50%	69.7%	41.1%	78.3%
50 – 74%	27.8%	16.4%	31.3%
75 – 99%	19.9%	11.7%	22.4%
100 – 124%	15.7%	9.3%	17.6%
125 – 149%	13.0%	7.6%	14.4%
150-184%	10.6%	6.3%	11.9%
185 – 199%	10.0%	5.9%	11.1%
200 – 299%	9.3%	5.5%	10.4%
300 – 399%	7.2%	4.3%	8.1%
400 – 499%	5.2%	3.1%	5.8%

# MEDIAN INCOME BY TENURE AND COUNTY

Tenure	2010 State Median Income	Number of Counties by Ratio of County to State Median Income				
		0 – 0.5	0.51 - 0.75	0.76 - 0.9	0.91 – 1.0	>1.0
Renter	\$36,465	0	31	12	7	10
Owner	\$76,001	0	19	24	6	11
Total	\$55,217	0	3	31	13	13

# MEDIAN INCOME BY TENURE, YEAR AND COUNTY

Tenure	2008 State (\$)	2010 State (\$)	Number of Counties by Ratio of 2010 to 2008 Median Income			
			<0.9	0.9 – 0.99	1.0 – 1.1	>1.1
Renter	\$35,458	\$36,465	7	28	21	4
Owner	\$75,639	\$76,001	0	17	42	1
Total	\$55,401	\$55,217	0	26	34	0

# MEDIAN INCOME BY AGE AND COUNTY

Age Range	State (\$)	Number of Counties by Ratio of County to State Median Income				
		0 – 0.5	0.51 - 0.75	0.76 - 0.9	0.91 – 1.0	>1.0
Under 25	\$27,055	1	10	17	5	25
25 – 44	\$61,865	0	7	29	12	12
45 – 64	\$66,526	0	4	27	17	12
65+	\$34,275	0	4	16	20	20

# MEDIAN INCOME BY AGE, YEAR AND COUNTY

Age Range	2008 State (\$)	2010 State (\$)	Number of Counties by Ratio of 2010 to 2008 Median Income			
			<0.9	0.9 – 0.99	1.0 – 1.1	>1.1
Under 25	\$28,405	\$27,055	0	26	33	1
25 – 44	\$61,821	\$61,865	21	15	9	15
45 – 64	\$67,635	\$66,526	2	19	32	7
65+	\$32,938	\$34,275	2	31	25	2

# MEAN INCOME BY YEAR AND QUINTILE

	2008	2009	2010
Lowest quintile	\$11,491	\$11,471	\$11,356
2 <sup>nd</sup> quintile	\$32,082	\$31,911	\$31,651
Middle quintile	\$55,932	\$55,864	\$55,667
4 <sup>th</sup> Quintile	\$89,029	\$89,300	\$89,523
Highest Quintile	\$213,592	\$215,182	\$212,272

# MEDIAN INCOME BY WORK EXPERIENCE, YEAR AND COUNTY

Work Experience	2008 State (\$)	2010 State (\$)	Number of Counties by Ratio of 2010 to 2008 Median Income			
			<0.9	0.9 – 0.99	1.0 – 1.1	>1.1
Male						
Fulltime year round	\$50,264	\$51,014	0	14	46	1
Other	\$16,705	\$16,353	4	26	26	5
Female						
Fulltime year round	\$40,965	\$41,984	0	7	47	7
Other	\$12,150	\$12,073	1	19	34	7

# MEAN INCOME BY YEAR AND WORK EXPERIENCE

Work Experience	2008	2009	2010
Male	\$34,228	\$34,161	\$34,276
Worked fulltime year round	\$50,264	\$50,303	\$51,014
Other	\$16,705	\$16,384	\$16,353
Female	\$21,862	\$22,210	\$22,545
Worked fulltime year round	\$40,965	\$41,253	\$41,984
Other	\$12,150	\$11,968	\$12,073

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