



**NYSERDA**

# **Public Private Partnerships**

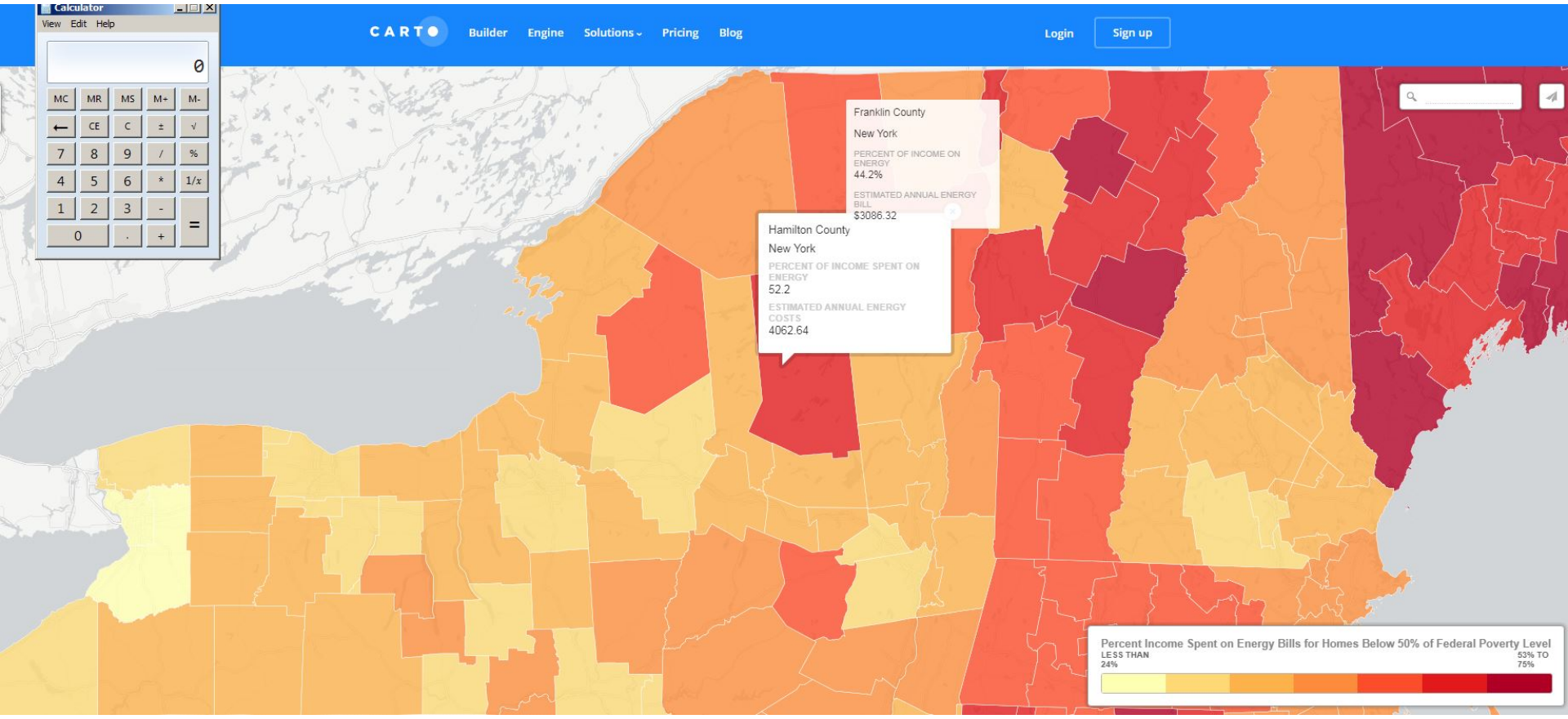
## ***Focus on Affordable Housing***

**LIFE 2018 Statewide Conference**

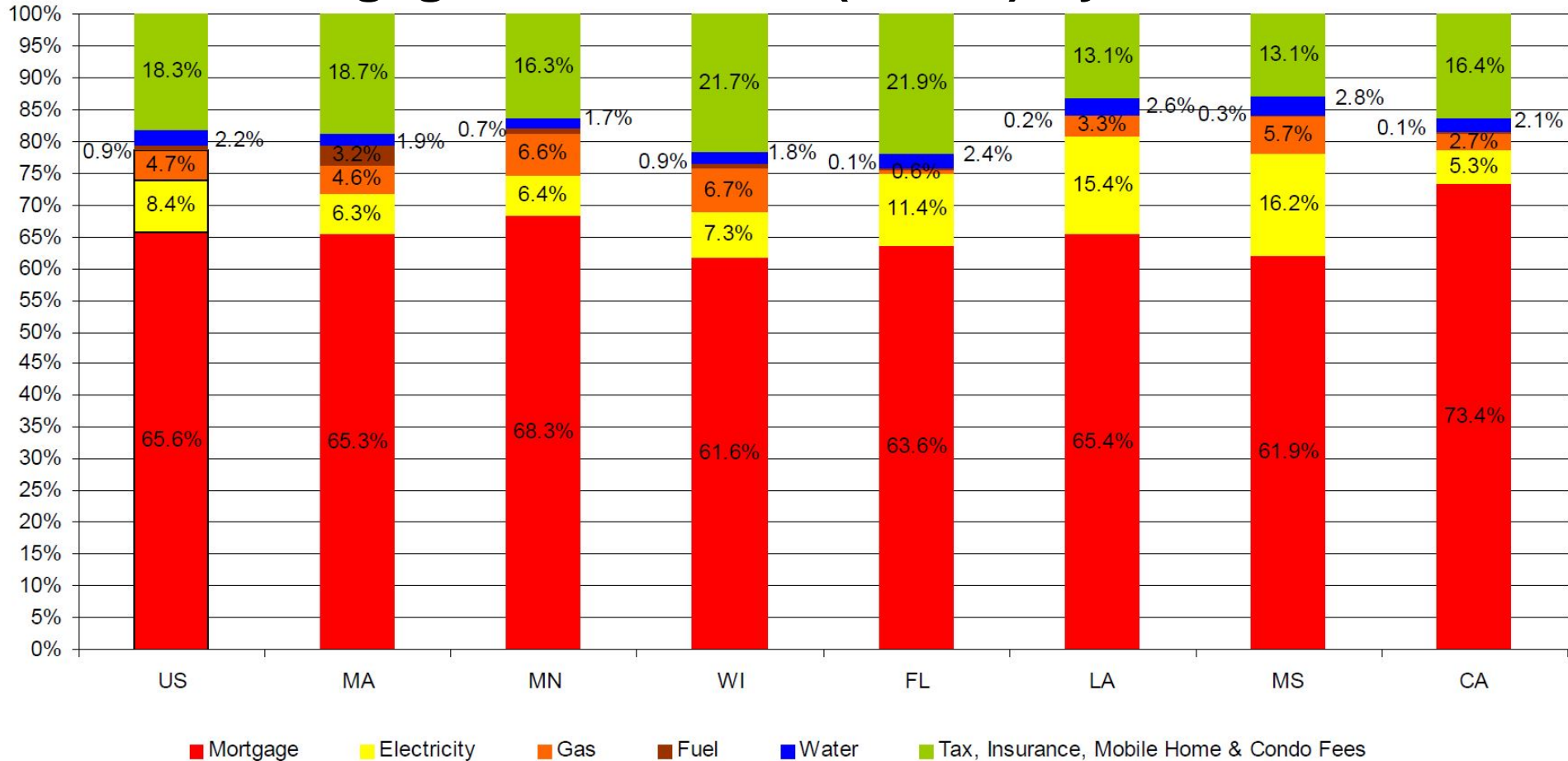
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# Energy Burden: Very Low Income Households



# Share of Mortgage Owner Costs (SMOC) By State



# Total Energy Burden

Electricity, Thermal, Transportation

Table 1. Descriptive statistics by energy cost category

Energy type	Average annual household expenditure (mean $\pm$ SD)	Range of average household expenditures	EAs a percent of total energy cost
Electricity	\$1,105 $\pm$ 163	\$524-\$1,686	23%
Thermal	\$1,198 $\pm$ 250	\$381- \$1,849	25%
Transportation	\$2,443 $\pm$ 341	\$1,361-\$3,012	52%
Total energy cost	\$4,745 $\pm$ 596	\$2,681- \$5,968	

# Clean Energy Workforce

## Demographics

**Table 20.**  
**Demographics - Energy Efficiency, Q4 2017**

Demographic	Employees	Percent of Sector	National Workforce Averages
Male	1,723,732	77%	53%
Female	524,792	23%	47%
Hispanic or Latino	337,402	15%	17%
Not Hispanic or Latino	1,911,122	85%	83%
American Indian or Alaska Native	32,288	1%	1%
Asian	107,276	5%	6%
Black or African American	176,303	8%	12%
Native Hawaiian or other Pacific Islander	25,166	1%	>1%
White	1,748,399	78%	78%
Two or more races	159,092	7%	2%
Veterans	238,162	11%	6%
55 and over	317,194	14%	23%
Union	239,364	11%	11%

**Table 1. Summary of Cumulative RGGI Health Benefits, 2009 to 2014**

<b>Avoided Health Effects</b>	<b>Avoided Mortality</b>		
	<ul style="list-style-type: none"> <li>• 300–830 premature adult deaths</li> </ul>		
	<b>Avoided Morbidity</b>		
	<ul style="list-style-type: none"> <li>• 35–390 non-fatal heart attacks</li> <li>• 420–510 cases of acute bronchitis</li> <li>• 8,200–9,900 asthma exacerbations</li> <li>• 13,000–16,000 respiratory symptoms</li> </ul>		
	<b>Other</b>		
<b>Value of Avoided Health Effects</b>	<ul style="list-style-type: none"> <li>• 180–220 hospital admissions</li> <li>• 200–230 asthma ER visits</li> <li>• 39,000–47,000 lost work days</li> <li>• 240,000–280,000 days of minor restricted activity</li> </ul>		
	<b>Low</b>	<b>Central</b>	<b>High</b>
	\$3.0 billion	\$5.7 billion	\$8.3 billion

Analysis of the Public Health Impacts of RGGI (Abt, 2017)

# Benefits of energy efficiency retrofits

