

BPA Low Income Manufactured Homes Program

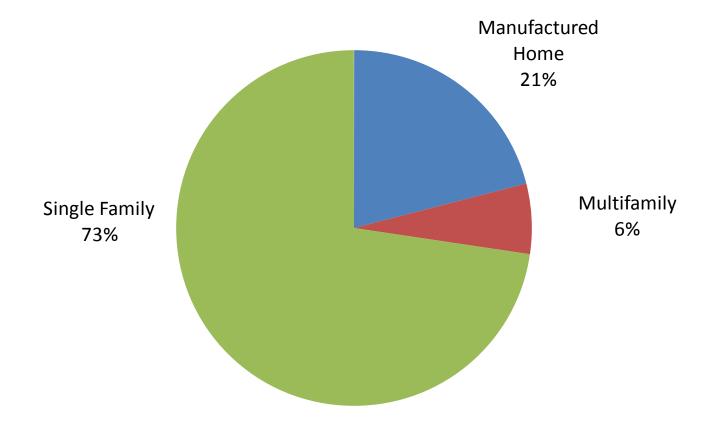
LIEE Workgroup meeting July 21, 2015

Courtney Dale Weatherization Program Support

Outline

- Overview of low income and manufactured EEI programs
- Discussion of challenges with manufactured houses

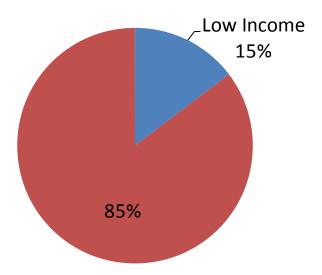
Weatherization Savings by Building Type



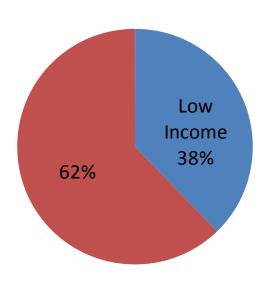
Includes insulation, air sealing, windows, duct sealing, and insulated door savings

Low Income Share

Single Family Homes

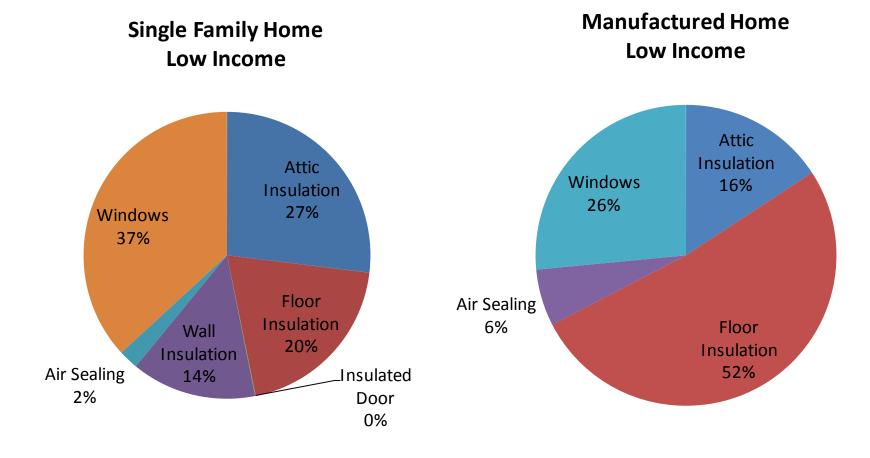


Manufactured Homes



Includes insulation, air sealing, windows, and insulated doors measure counts

Low Income Measures



Low Income Share of Measures

	Single Family		Manufactured Homes		Multifamily	
	LI	SI	LI	SI	LI	SI
Attic Insulation	20%	80%	86%	14%	30%	70%
Floor Insulation	18%	82%	74%	26%	33%	66%
Wall Insulation	26%	74%	N/A	N/A	33%	66%
Insulated Door	2%	98%	0%	100%	N/A	N/A
Air Sealing	28%	72%	89%	11%	N/A	N/A
Windows	10%	90%	16%	84%	16%	84%
All Measures	14%	86%	38%	62%	23%	77%

Duct Sealing

	Single Family			Manufactured Homes			
	Low Income	Standard Income	Percentage LI	Low Income	Standard Income	Percentage LI	
Duct Sealing	31	890	3%	26	3803	1%	



Ductless Heat Pumps

	Single Family			Manufactured Homes			
	Low Income	Standard Income	Percentage LI	Low Income	Standard Income	Percentage LI	
Ductless Heat Pumps	131	5256	2%	7	369	2%	



Air Sealing

 CAPs do leakage testing and air sealing. Are we leaving savings on the table?



Challenges

- Durability of structure
- Excluding rodents from crawlspaces
- Attic/roof access
- Additional repairs
- Confusion about measure list
- Indoor air quality





Thank You

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