

# Single Family Weatherization Measure Changes

**Effective October 1<sup>st</sup>, 2015**

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# Agenda

- What has changed?
- Why did it change?
- What happens next?
- Time to answer questions

# No Measures Will Sunset



# Windows Measure Changes

			Savings			TRC		
			Current	New	% Change	Current	New	% Change
Zone 1	Class 30	Single	27.24	<b>10.27</b>	62.3%	1.80	<b>1.08</b>	40.2%
		Double	19.16	<b>5.19</b>	72.9%	1.20	<b>0.55</b>	53.8%
	Class 22	Single	24.79	<b>11.21</b>	54.8%	2.20	<b>1.01</b>	53.9%
		Double	14.63	<b>6.01</b>	58.9%	1.30	<b>0.55</b>	57.4%
Zone 2	Class 30	Single	35.95	<b>13.99</b>	61.1%	2.30	<b>1.46</b>	36.5%
		Double	25.28	<b>6.88</b>	72.8%	1.60	<b>0.70</b>	56.1%
	Class 22	Single	34.89	<b>15.27</b>	56.2%	3.10	<b>1.33</b>	57.1%
		Double	20.84	<b>7.93</b>	62.0%	1.90	<b>0.70</b>	63.1%
Zone 3	Class 30	Single	42.46	<b>15.07</b>	64.5%	2.70	<b>1.56</b>	42.2%
		Double	29.86	<b>7.32</b>	75.5%	1.90	<b>0.77</b>	59.7%
	Class 22	Single	43.08	<b>16.47</b>	61.8%	3.90	<b>1.43</b>	63.3%
		Double	26.02	<b>8.49</b>	67.4%	2.30	<b>0.74</b>	67.8%

# Window Payments Changes

- Payments reduced by half

	Current	New	% Change
Class 30	\$6.00	<b>\$3.00</b>	50.0%
Class 22	\$8.00	<b>\$4.00</b>	50.0%

- Affects single family and **manufactured homes**

# Insulation Measure Changes – SF

HZ 1	Savings			Payments		
	Current	New	% Change	Current	New	% Change
Attic Insulation - R0 to R38	2.66	<b>2.03</b>	-24%	\$0.80	<b>\$0.65</b>	-19%
Attic Insulation - R0 to R49	2.83	<b>2.06</b>	-27%	\$0.85	<b>\$0.65</b>	-24%
Attic Insulation - R11 to R38*		<b>0.40</b>			<b>\$0.25</b>	
Attic Insulation - R11 to R49*		<b>0.43</b>			<b>\$0.25</b>	
Attic Insulation - R19 to R38	0.70	<b>0.20</b>	-72%	\$0.21	<b>\$0.10</b>	-52%
Attic Insulation - R19 to R49	0.87	<b>0.23</b>	-73%	\$0.26	<b>\$0.10</b>	-62%
Attic Insulation - R30 to R38*		<b>0.07</b>			<b>\$0.03</b>	
Attic Insulation - R30 to R49*		<b>0.11</b>			<b>\$0.04</b>	
Attic Insulation - R38 to R49	0.17	<b>0.05</b>	-70%	\$0.05	<b>\$0.02</b>	-60%
Wall Insulation - R0 to R11	2.00	<b>1.62</b>	-19%	\$0.61	<b>\$0.65</b>	7%
Floor Insulation - R0 to R19	2.20	<b>0.70</b>	-68%	\$0.65	<b>\$0.25</b>	-62%
Floor Insulation - R0 to R25	2.58	<b>0.74</b>	-71%	\$0.77	<b>\$0.30</b>	-61%
Floor Insulation - R0 to R30	2.58	<b>0.78</b>	-70%	\$0.77	<b>\$0.30</b>	-61%
Floor Insulation - R19 to R30	0.40	<b>0.11</b>	-72%	\$0.12	<b>\$0.05</b>	-58%

\*Not previously offered

# How Did We Get Here? – RTF

- RTF updated weatherization savings estimates
  - Calibrated modeling software to real-world data
  - Estimated supplemental heating fuels
  - Accounted for low-use homes (partial occupancy)
- Savings reduced 60% on average
- Cost effectiveness threatened for some measures

# How Did We Get Here? – BPA

- BPA reviewed each step and addressed errors w/ RTF staff
- Accepted the measures
- Averaged cost effectiveness over technology groups
  - All measures will continue to be supported
- Payments calculated based on savings and measure life
  - Low-income payments are not affected
- Effective October 1<sup>st</sup>, 2015



# The Future – Windows

- Single Family Windows may not be cost-effective with new measures
- MH and MF improve average savings for entire windows group
- RTF expected to update MH and MF measures
  - BPA will re-evaluate window offerings at that time

# Summary

- Savings change only for single family
- All measures still available
- Savings decreased by average 60%, payments 53%
- No change to low income payments
- Effective October 1<sup>st</sup> 2015

# Thanks! Any Questions?

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# Heating Zone 2

Heating Zone 2	Savings			Payments		
	Current	New	% Change	Current	New	% Change
Attic Insulation - R0 to R38	3.51	<b>3.06</b>	-13%	\$1.05	<b>\$0.80</b>	-24%
Attic Insulation - R0 to R49	3.73	<b>3.10</b>	-17%	\$1.12	<b>\$0.80</b>	-29%
Attic Insulation - R11 to R38*		<b>0.50</b>			<b>\$0.35</b>	
Attic Insulation - R11 to R49*		<b>0.55</b>			<b>\$0.35</b>	
Attic Insulation - R19 to R38	0.90	<b>0.23</b>	-75%	\$0.28	<b>\$0.10</b>	-64%
Attic Insulation - R19 to R49	1.15	<b>0.27</b>	-76%	\$0.35	<b>\$0.10</b>	-71%
Attic Insulation - R30 to R38*		<b>0.08</b>			<b>\$0.03</b>	
Attic Insulation - R30 to R49*		<b>0.12</b>			<b>\$0.04</b>	
Attic Insulation - R38 to R49	0.22	<b>0.06</b>	-75%	\$0.07	<b>\$0.02</b>	-71%
Wall Insulation - R0 to R11	2.70	<b>2.17</b>	-19%	\$0.80	<b>\$0.80</b>	0%
Floor Insulation - R0 to R19	2.90	<b>0.81</b>	-72%	\$0.86	<b>\$0.30</b>	-65%
Floor Insulation - R0 to R25	3.41	<b>0.87</b>	-75%	\$1.02	<b>\$0.35</b>	-66%
Floor Insulation - R0 to R30	3.41	<b>0.90</b>	-74%	\$1.02	<b>\$0.35</b>	-66%
Floor Insulation - R19 to R30	0.50	<b>0.11</b>	-78%	\$0.16	<b>\$0.05</b>	-69%

\*Not previously offered

# Heating Zone 3

Heating Zone 3	Savings			Payments		
	Current	New	% Change	Current	New	% Change
Attic Insulation - R0 to R38	4.15	<b>3.56</b>	-14%	\$1.25	<b>\$0.85</b>	-32%
Attic Insulation - R0 to R49	4.41	<b>3.61</b>	-18%	\$1.32	<b>\$0.85</b>	-36%
Attic Insulation - R11 to R38*		<b>0.51</b>			<b>\$0.35</b>	
Attic Insulation - R11 to R49*		<b>0.55</b>			<b>\$0.35</b>	
Attic Insulation - R19 to R38	1.10	<b>0.22</b>	-80%	\$0.33	<b>\$0.10</b>	-70%
Attic Insulation - R19 to R49	1.36	<b>0.27</b>	-80%	\$0.41	<b>\$0.10</b>	-76%
Attic Insulation - R30 to R38*		<b>0.08</b>			<b>\$0.03</b>	
Attic Insulation - R30 to R49*		<b>0.12</b>			<b>\$0.04</b>	
Attic Insulation - R38 to R49	0.26	<b>0.05</b>	-79%	\$0.08	<b>\$0.02</b>	-75%
Wall Insulation - R0 to R11	3.20	<b>2.61</b>	-19%	\$0.95	<b>\$0.80</b>	-16%
Floor Insulation - R0 to R19	3.40	<b>1.17</b>	-66%	\$1.02	<b>\$0.35</b>	-66%
Floor Insulation - R0 to R25	4.03	<b>1.26</b>	-69%	\$1.21	<b>\$0.40</b>	-67%
Floor Insulation - R0 to R30	4.03	<b>1.32</b>	-67%	\$1.21	<b>\$0.40</b>	-67%
Floor Insulation - R19 to R30	0.60	<b>0.12</b>	-80%	\$0.19	<b>\$0.05</b>	-74%

\*Not previously offered