

BPA Residential Low Income Measures and Opportunities

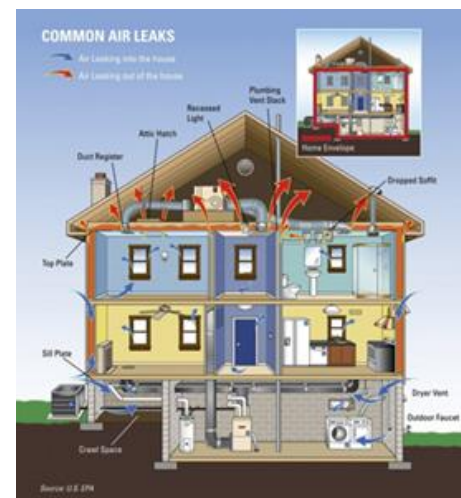
Low Income Energy Efficiency Workgroup
November 6, 2014

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Overview

- Low Income Measures in Residential
 - Direct Install measures
 - Weatherization
- Barriers
- Opportunities
- Other assets/information/data



Low Income Opportunities

Direct Install measures:

- CFLs and LED bulbs
- Lighting fixtures
- Showerheads
- Pipe insulation
- Advanced Power Strips
- Snapshot audit

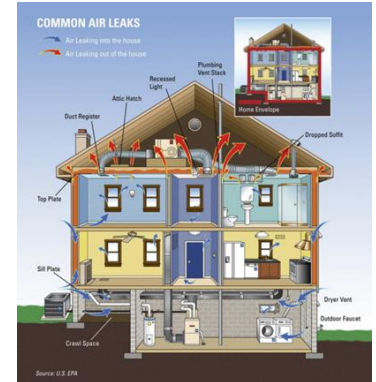


**In past experience, payment from installed measures can cover cost of Snapshot audit.*

Low Income Opportunities

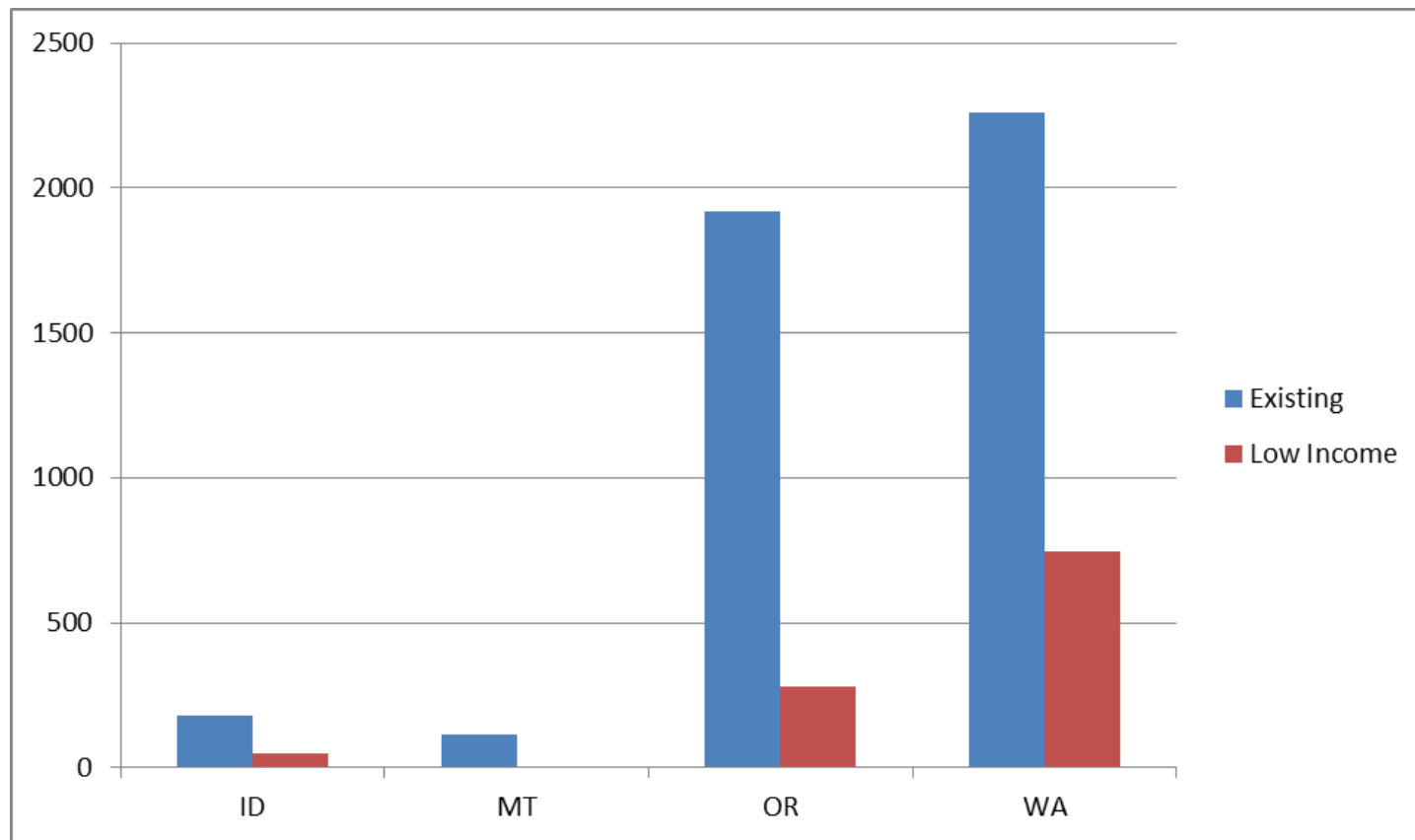
Weatherization:

- Attic, Floor, Wall insulation
- Prescriptive air sealing
- Windows and Exterior Insulated Doors
- Whole House Air Sealing
- Duct Sealing (both PTCS and Rx)
- Ductless Heat Pumps
- Expanded definition of “electrically heated”

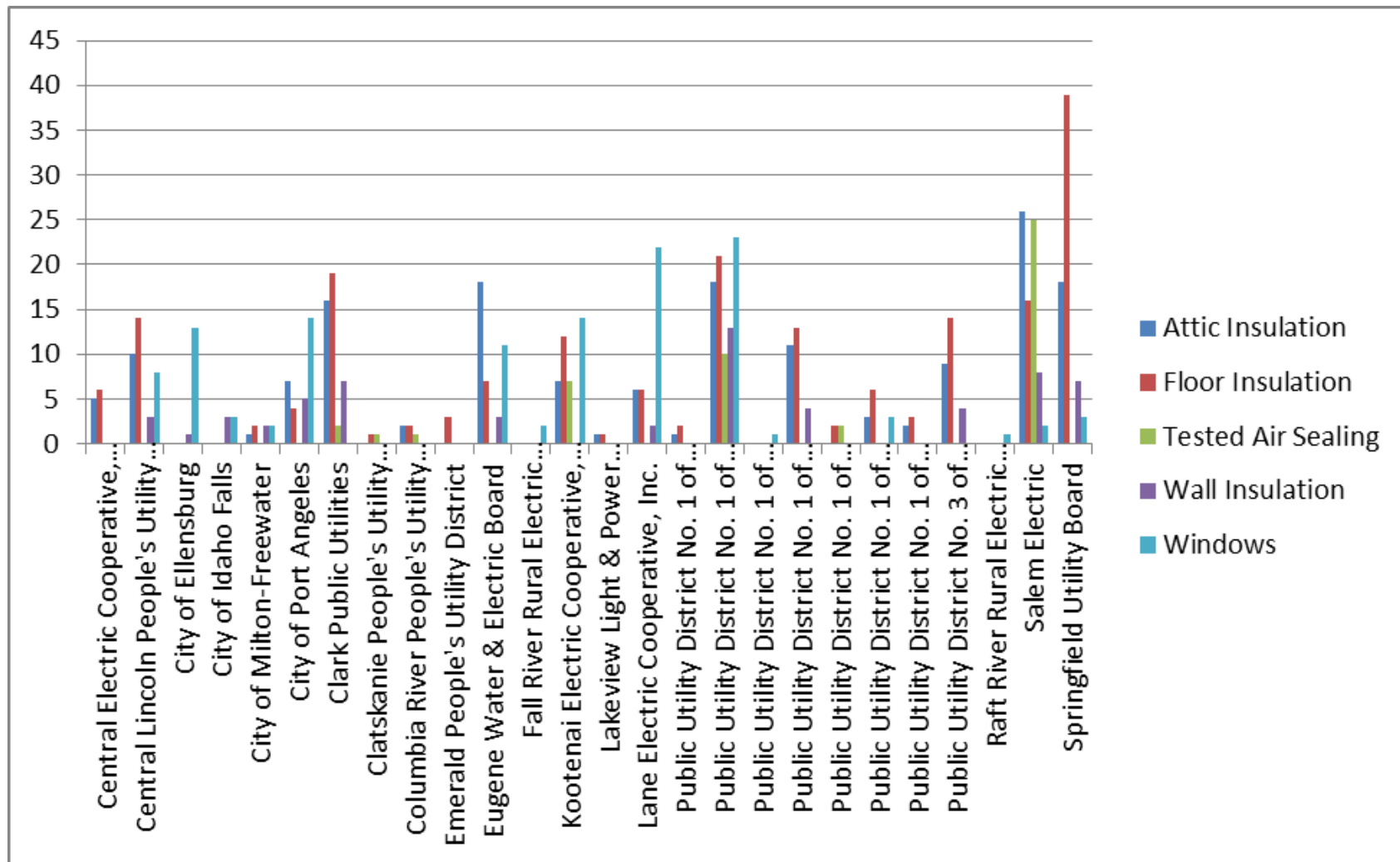


*other costs covered include repairs and any costs associated with the efficacy of the measure

Weatherization Projects in FY13



Low Income Wx by utility



Barriers

- Not enough funding
- Utilities unable to do income verification
- Local CAP is at capacity
- Poor relationship/communication (utility/CAP)
- CAP unable to report data to utility
- 15% admin doesn't cover all admin costs
- Confusion between admin costs for Grant Program vs Utility EEI funded measures
- ?

Opportunities

- Good relationships between utility/CAP
- Some CAPs able to do income verification, audits, contractor management
 - Unclear on how utilities are covering costs
- BPA could provide clarity on use of performance payment (to cover admin)
 - A chart with examples of perf payment/measure?
- More BPA program support?
- ?

Other Assets/Info/Data available

- List/post all CAPs, segmented by state
- Survey who is working with whom (OR has?)
- Assess available bandwidth of others?
- Gather examples of utilities LIEE program models, share on webpage
- Gather other agencies documentation processes
 - DOE, State, CAP, utilities
 - Income verification
 - Qualifications, prioritization of projects/customers

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