



Federal Perspective

February 28, 2013

Topics to be Discussed

- Funding/FOA
- 13-1/Application Package
- Quality Assurance
- July Meeting
- Weatherization Plus 2015
- Evaluation
- Multifamily
- Audit Tools
- WAP National Quality Control Plan
- Radon

Funding

Robert Adams – DOE WAP Supervisor

Funding

- 2013
 - CR
 - Sequestration
 - Multiple Levels
 - \$68
 - \$139

States with April 1 PY Start Date

- Alabama
- Alaska
- Arkansas
- Connecticut
- Delaware
- Florida
- Georgia
- Hawaii
- Idaho
- Indiana
- Iowa
- Kansas
- Maine
- Massachusetts
- Michigan
- New Jersey
- New York
- Ohio
- Oklahoma
- Oregon
- Rhode Island
- South Carolina
- Texas
- Vermont

13-1/Application Package

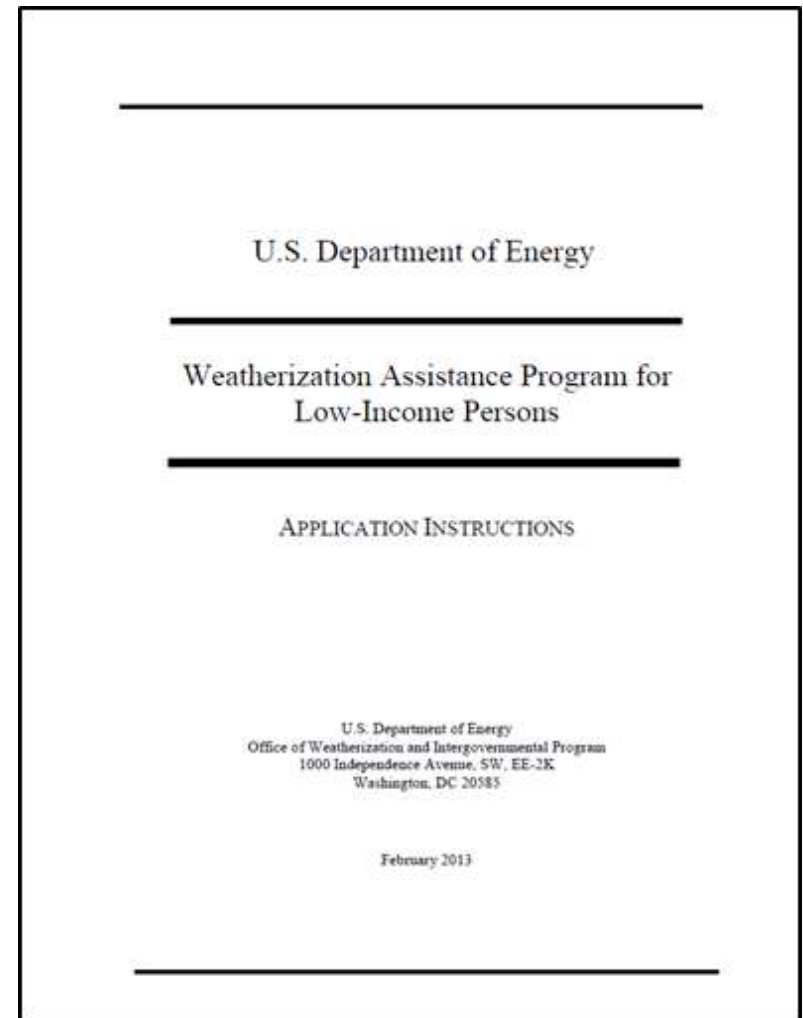
Holly Ravesloot – Team Lead for Policy and Communications

3 Year Grants

- All 2013 grant awards will be issued as new 3-year awards.
 - Impact:
 - Existing DOE awards may need to be extended if funds are still available (contact PO).
 - It's possible to have 2 “regular” DOE awards and the DOE ARRA award all active with reporting requirements on 3 awards.

Application Format and Changes

- Now required to submit both annual and on-file (master file) annual.
- Budget Section Expanded.
- Consolidated repetitive sections between the annual and on-file to minimize duplication.
- Use the application package (attached to 13-1) while filling out the state plan details.



Application Package Training

- An overview of changes in the WAP Program in 2013
- Highlights from the Funding Opportunity Announcement
- PAGE changes including a detailed, section by section discussion of new or revised formatting within the Annual and Master Files
- Brief discussion of the process after the application has been submitted

Changes from Prior Year

- In WPN 12-1 DOE Stated:
 - “Grantees that weatherize multi-family units must have a multi-family energy audit and procedures as part of their Program year 2013 plan submittal to DOE. The use of the multi-family energy audit too must include a training component.”
- For Program Year 2013, DOE is requiring the following.
 - If 20% of annual production is multi-family then the requirement stands.
 - If not each multi-family building must be submitted to the PO for approval.
 - Grantees are still required to explain how they will address multi-family building in the plan.

13-1 Section 3.0 Active WPNs

WPN	Title	Funding	Grant Application	Procurement	Monitoring	Clients	Multi-family	Material Procurement	Rental Requirements	Energy Audit Criteria	Health and Safety	Renewable Energy Systems	Disaster Relief	Eligibility Levels	Defining Income	Priority Service	Fuel Switching	Incidental Repairs	Reweathering	Vehicle Purchases	Policy Advisory Council	Electric Baseload	Day is-Bacon Act	Administrative Costs	Historic Preservation	Eligible Dwelling Units	National Evaluation	Add-Ons/Call Backs	Average Cost Calculations	Measure Skipping
8/4/88	Approval to Include Wood Stoves as a WAP Material									x	x																			
94-5	Approval to Use Fluorescent Light Sources in the WAP									x																				
00-5	Refrigerators and Electric Water Heaters									x	x											x								
02-6	WAP Activities and Federal Lead-Based Paint Regulations										x																			
08-4	Space Heater Policy										x																			
08-6	Lead Safe Weatherization Guidance										x																			
09-6	Lead Safe Weatherization Additional Materials and Information										x																			
10-3	Procurement Tool Kit			x																	x									
10-7	Revised DBA Wage Determinations for WAP																						x							
10-8	WAP Guidance on Maintaining the Privacy of Recipients Services					x																								
10-10	Reprogramming T&TA Funds to Program Operations	x																												
10-11	National Evaluation																									x				

13-1 Section 3.0 Active WPNs

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10-12	Historic Preservation Implementation																							x						
10-17	Buy-Down SIR Using Non-Federal Resources	x					x			x																				
11-3	Use of WAP Funds for Add-On/Call Back Work																								x		x			
11-4	Prioritizing WAP Work Based on Housing Type						x									x														
11-6	Health and Safety Guidance										x							x												
11-8	WIPP Guidance	x																												
11-9	Updated Eligible Multi-Family Property Listings						x																							
11-10	WIPP Monitoring Guidance		x		x																									
11-14	Updated Subgrantee Selection Guidance		x																											
12-3	ARRA Closeout Procedures and FAQ	x	x																											
12-4	Management Tool Kit	x		x																x										
12-5	Updated Monitoring Guidance				x																									
12-7	Disaster Planning and Relief												x																	
12-9	Incidental Repair Measures									x	x							x												

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13-1	WAP Grant Guidance		x		x																x			x							
13-2	(Reserved) Grantee Allocations	x	x																												
13-3	(Reserved) Revised Poverty Income Guidelines/Eligibility Determination								x					x	x																
13-4	Property Acquired under the Weatherization Assistance Program				x															x											
<i>The following WPNs are in process, anticipated to be issued in PY13</i>																															
	Multi-Family Weatherization						x	x																							
	Revised Energy Audit Procedures & Related Audit Issues								x		x						x					x									x
	Administrative Costs & Allowable Per Unit Calculations																							x							x
	Vehicle and Equipment Purchases																			x											

Upcoming Policy Guidance

- 13-2 Allocations
- 13-3 Poverty Income Guidelines/Eligibility Determination
- 13-6 Health and Safety
- Multifamily Weatherization
- Revised Energy Audit Procedures & Related Audit Issues
- Guidelines for Home Energy Professionals
- Administrative Costs & Allowable Per Unit Calculations
- Vehicle & Equipment Purchases

Quality Assurance

Erica Burrin – Acting Team Lead for Field Operations

What's New?

- **Previously:**
 - QA Process was to be for internal DOE use only.
- **New:**
 - DOE will generate monitoring reports based on QA data base for Grantee response.
- **Same:**
 - DOE will use the data base to review national trends
 - POs will still be able to use the data base to inform their own monitoring and as a discussion topic with Grantees

Why?

- **There is a compelling body of evidence to share.**
 - 30,000 units and reviews at almost every subgrantee
 - Data can be used by Grantees
- **QA data and process can be used to change the story of the program.**
 - The formal monitoring process is a way to document that past problems have been identified and resolved
 - Program can point to this process as well as other T&TA initiatives that directly relate to improving quality

How?

- **Narrative DOE monitoring and Grantee Summary Reports**
 - These will be issued like any other monitoring report
- **Grantee response to DOE**
 - Normal monitoring process followed
- **Possible Grantee and PO discussions on data base reports**
 - Grantees may want to review additional data base reports with the help of the PO

How?

WAP QA, Grantee Summary Report, State of Bliss File Review

Weatherization completion date interval	DEC2009	MAY2012
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QA audit date interval	APR.2012	JUL2012
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Housing Types	Number of Units	Percent
Not Recorded	21	9
Single Family Detached	140	59
Mobile Home	27	11
MF 25 units or less	19	8
MF more than 25 units	31	13
All	238	100

Subgrantee	File Review Score	
	Number of Units	Score Average
Blissful Counties Community Action Agency	16	82
Blissed Out Economic Opportunity Commission Inc	8	96
Central Bliss Community Actions Inc	18	87
Continuous Bliss Human Services	40	88
Bureaucratic Bliss LUG	16	93
Follow Your Bliss Community Action Agency Inc	20	94
Good Bliss Human Resources Commission Inc	15	95
Lowcountry Bliss Community Action Agency Inc	12	88
Mid-State Bliss CAA Inc	2	100
Ignorance Is Bliss Community Action Partnership	9	94
Periodic Bliss Community Actions Inc	10	89
South of Bliss Human Advancement Resources	37	90
Wild Bliss Economic Opportunity Council Inc	13	94
Western Bliss Community Actions Inc	22	91
All	238	90

Blower Door	Number of Units with BD Test	No BD	Average Value		
			Minimum	Maximum	Average Value
Blower Door Results, Pre, Building	184	54	1,007	13,050	3,598
Blower Door Results, Post, Building	183	55	961	7,490	2,526
Blower door change (pre - post, CFM)	181	57	-150	6,388	1,112
Percent change blower door	181	57	-14	71	27

How?

Measure Group	Measure Quality Score	
	Measures Inspected	Score Average
Attic	495	82
HVAC	189	96
Other	30	87
Sidewall	219	97
Subspace	116	95
Windows	55	91
All	1,104	89

Measure	Measure Quality Score	
	Measures Inspected	Score Average
Air Conditioning Replacement	5	60
Air Sealing of Building Envelop	210	98
Attic Access Insulated	133	44
Attic Air Sealing	184	97
Attic/Roof Insulation	178	94
Basement Sidewall Insulation	0	.
Door Replacement	31	90
Duct Sealing	144	97
Foundation/Perimeter Insulation	8	88
Heat Pump Installation/Replacement	15	100
Heating System Replacement	25	96
Refrigerator Replacement	12	83
Sidewall Insulation	9	67
Storm Windows Installed	4	100
Subspace Air Sealing	108	95
Water Heater Replacement	18	89
Windows Replacement	20	90
All	1,104	89

How?

WAP QA, Subgrantee Summary Report, Continuous Bliss Human Services

Completion date interval	APR2010	OCT2011
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Audit inspection date interval	JUN2012	JUL2012
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Housing Type	Number of Units	Percent
Not Recorded	4	10
Single Family Detached	7	18
Mobile Home	2	5
MF 25 units or less	13	33
MF more than 25 units	14	35
All	40	100

	Number of Inspections	Mean
File Review Score	40	88

Blower Door	Number of Units with BD Test	No BD	Minimum	Maximum	Mean
Blower Door Results, Pre, Building	13	27	2,677	10,121	4,656
Blower Door Results, Post, Building	13	27	1,983	4,680	2,837
Blower door change (pre - post, CFM)	13	27	391	5,883	1,819
Percent change blower door	13	27	14	58	35

When?

Tentative Timeline

April: Roll out first QA Monitoring reports to Southeast Region

May: By the end of the month finish distribution of reports

July: All monitoring issues resolved and closed

Who?

- Questions?
- Erica Burrin
Acting Team Lead, Field Operations
erica.burrin@ee.doe.gov
202-280-9863

July Meeting

Bob Adams – DOE WAP Supervisor

Holly Raveslout – Team Lead for Policy and Communications

July Meeting

- WAP Program Review July 16-18, 2013 Denver, CO
- Weatherization State Managers
- Pre-Recovery Act Funding Levels – What does smaller federal support for the grantees and subgrantees look like?
- Strategic Thinking for the Future of the WAP - Leveraging Resources, Improving Quality, Developing Our Message, Examining New Markets, and Measuring Community Impact.
- Service Delivery System - How do we keep the best of what we learned from our past while moving into an unsure future?

- Grantee Discussion

July Meeting

- Recommend meeting topics and/or volunteer to work alongside DOE to craft an agenda that will benefit everyone.
- Send to: holly.ravesloot@ee.doe.gov
- Please respond by March 15, 2013.

Weatherization Plus 2015

Joel Eisenberg – Oak Ridge National Laboratory

National Evaluation

Joel Eisenberg- Oak Ridge National Laboratory

Audit Tools

Jennifer Somers – Team Lead for Training & Technical Assistance

Web-Based Weatherization Assistant

The web-based Weatherization Assistant will bring together four separate audits:

- Multifamily Tool for Energy Audits (MulTEA)
- Health and Safety Audit Tool
- National Energy Audit Tool (NEAT) – single family
- Manufactured Home Energy Audit (MHEA)

Multifamily Tool for Energy Audits (MuITEA)



Weatherization Assistant Website

Home Energy Saver Websites

Home Energy Saver Multifamily & Single-family Calculation Engine

Single Family Results (NEAT)

Mobile Home Results (MHEA)

WAP Multifamily Audit Results

Multifamily Results

Single-family Results

Home Energy Score Results

Audit Tools

Healthy Homes



MuITEA




HH Audit Tool




WPN 11-6


Weatherization Assistance Program 11-6

Health and Safety Issue	Action/Abatement	Testing	Client Education	Training
Lead Based Paint	Follow EPA's Lead Renovation, Repair and Painting Program (RRP). In addition to RRP, Weatherization requires all weatherization crews working in pre-1978 housing to be trained in Lead Safe Weatherization (LSW). Deferral is required when the extent and condition of lead-based paint in the house would potentially create further health and safety hazards.	Testing is allowed. Job site set up and cleaning verification is required by a Certified Renovator.	Follow RRP requirements.	All weatherization crews working on pre-1978 homes must receive LSW training and be accompanied by an EPA Certified Renovator. Greater: Masters Exteriors must be Certified Renovators and receive LSW training.
Mold and Moisture	Latent water damage repairs that can be addressed by weatherization workers and conditions of moisture and mold creating conditions are allowed when necessary to enable to weatherize the house and to ensure the long term stability and durability of the measures. Where severe Mold and Moisture issues cannot be addressed, deferral is required.	Visual assessment is required and diagnostics such as moisture meters are recommended pre and post to final inspection. Mold testing is not an allowable cost.	Provide client notification and disclosure on mold and moisture concerns.	National consultation on mold and moisture or equivalent.
Occupant Presenting or Potential Health Conditions	When a person's health may be at risk and/or the work activities could constitute a health or safety hazard, the occupant at risk will be required to take appropriate action based on severity of risk. Temporary relocation of at-risk occupants may be allowed on a case by case basis. Failure of the ability to take appropriate actions must result in deferral.	Require occupant to reveal known or suspected health concerns as part of initial application for weatherization. Screen occupants again during work.	Provide client notification of any known risks. Provide worker correct information re client risk factors of any issues.	How to assess occupant presenting conditions and determining what action to take if the issue is not deferred. Assessment of potential hazards.
Occupational Safety and Health Administration (OSHA) and Crew Safety	Workers must follow OSHA standards and Material Safety Data Sheets (MSDS) and take precautions to ensure the health and safety of themselves and other workers. MSDS must be posted wherever workers may be exposed to hazardous materials.	Greater: must perform assessments to determine if crews are utilizing safe work practices.	Not applicable.	Use and importance of personal protective equipment. OSHA 10 hour training is required for all workers. OSHA 30 hour training is required for crew leaders.



Healthy Indoor Environment Protocols for Home Energy Upgrades



GUIDANCE FOR ACHIEVING SAFE AND HEALTHY INDOOR ENVIRONMENTS DURING HOME ENERGY RETROFITS

Topics Covered

Mold & Moisture

Lead

Radon

Asbestos

Formaldehyde

Combustion

Pest Infestation

Safety

Ventilation

- Assess impact of existing conditions on weatherization work
- Assess impact of planned weatherization work on the H&S of the occupants and crew members
- Recommend actions required to perform weatherization in a healthy and safe manner
- Recommend remedial actions to address existing H&S problems
- Recommend preventive measures for potential problems

Multifamily

Jennifer Somers – Team Lead for Training & Technical Assistance

Multifamily

Overall Need: Data

- National WAP Evaluation Multifamily Building Study

Step 1: Data Gathering

- Technical Guidelines for Multifamily Building Energy Audits

Step 2: Energy Audit

- Multifamily Tool for Energy Audits (MulTEA)

Step 3: Quality Work

- Standard Work Specifications for Multifamily Energy Upgrades

Step 4: Workforce

- Analysis of need for Multifamily Specific JTA's

Standard Work Specifications for Multifamily Energy Upgrades



Once we know what the work is...

...we can figure out what a worker needs to know to do the job right

Knowledge,
Skills, Abilities

Job Task Analysis

Multifamily Job Task Analysis?

Commercial JTA's

- Commercial Building Energy Auditor
- Cx/RCx Authority
- Commercial Building Energy Modeler
- Operations Engineer/ Building Technician
- Facility Manager
- Energy Sustainability Manager

Multifamily

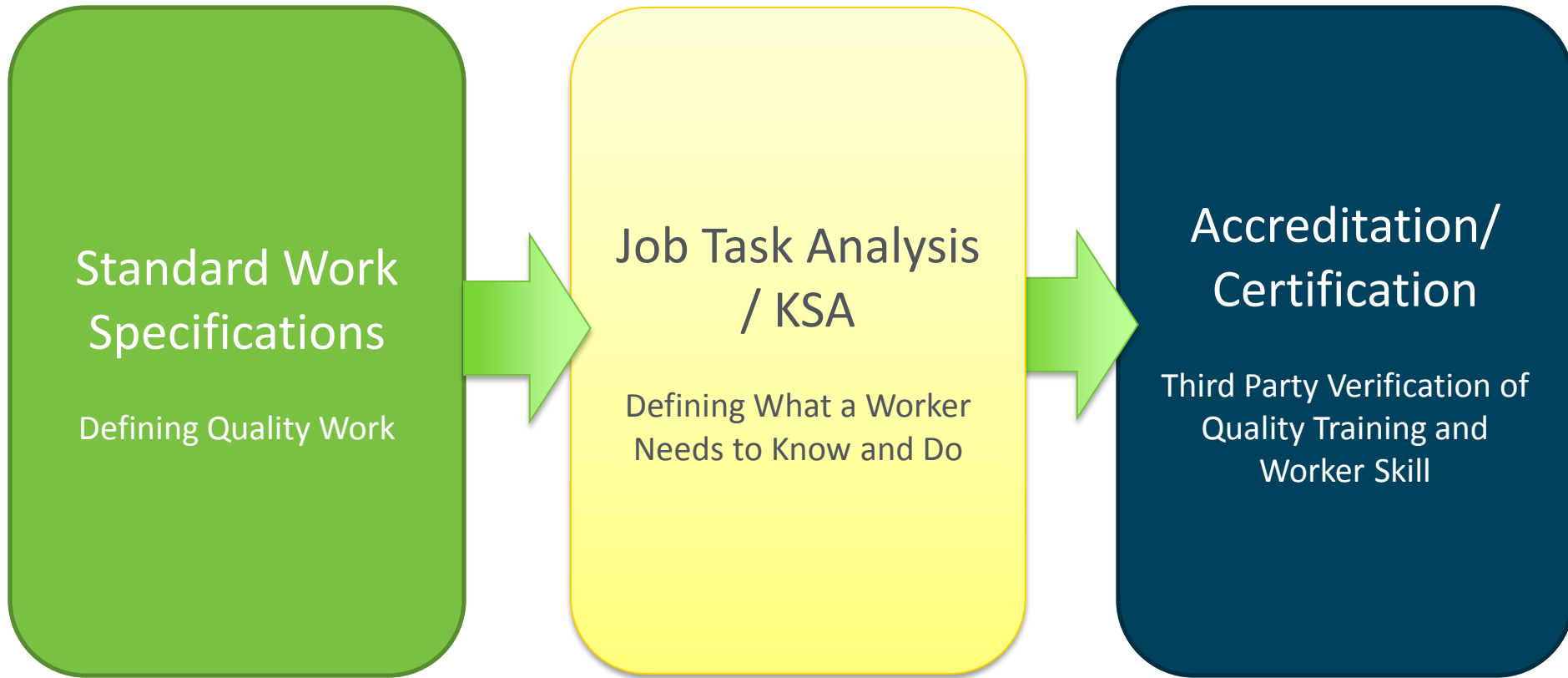
- Multifamily Energy Auditor
- Multifamily Quality Control Inspector
- Multifamily Building Operator
- Multifamily Project/Program Manager

WAP National Quality Control Plan

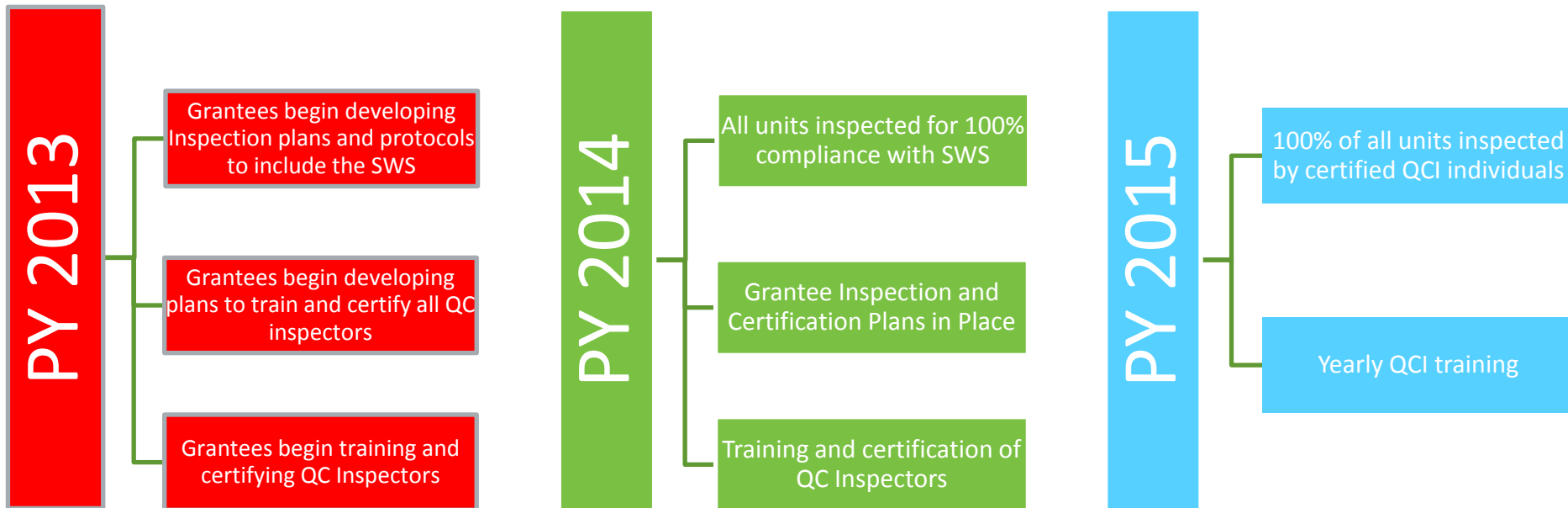
Bob Adams – DOE WAP Supervisor

Josh Olsen – Training and Technical Assistance Specialist

It all fits together...



Implementation



When Can We Get Started?

SWS

- Single Family and Manufactured Housing (MARCH 2013)
- Multi-Family (JUNE 2013)

Accredited Training

- Available Now
- Over 20 Training Programs in process

Home Energy Professional Certifications

- QCI and EA (June 2013)
- RI and CL (August 2013)

Radon

Bob Adams – DOE WAP Supervisor

Jennifer Somers – Team Lead for Training & Technical Assistance