

# Weatherization Grantee Health and Safety (H&S) Plan- *Optional Template*

Grantee Name

## 1.0 – GENERAL INFORMATION

**Additional information that does not fit neatly in one of the other sections of this document.**

Enter Additional H&S Information Here

## 2.0 – BUDGETING

*Grantees are encouraged to budget H&S costs as a separate category and, thereby, exclude such costs from the Average Cost Per Unit (ACPU) cost limitation. This separate category also allows these costs to be isolated from energy efficiency costs in program evaluations. H&S costs that are budgeted and reported under the Program Operations category rather than the H&S category, the related H&S costs must be included in the calculation of the ACPU and cost-justified through the Grantee’s Department of Energy (DOE)-approved energy audit tool.*

**Select which option used below.**

Separate H&S Budget

Contained in Program Operations

## 3.0 – H&S EXPENDITURE LIMITS

*Pursuant to [10 CFR 440.16\(h\)](#), Grantees must establish H&S expenditure limits for their Program and provide justification for those limits by explaining the basis and related historical H&S expenditures. DOE acknowledges that it may be necessary for Grantees to deviate from historical expenditures when certain circumstances arise (e.g., funding source changes).*

*[10 CFR 440.16\(h\)\(2\)](#) dictates that these limits must be expressed as a percentage of the ACPU. To calculate this percentage, use the following formula:*

$$Total\ Average\ H\&S\ Cost\ per\ Unit = \frac{H\&S\ budget\ amount}{Program\ Operations\ budget\ amount}$$

*For example, if the ACPU is \$5,000 and a Grantee’s Program expends an average of \$750 per dwelling on energy-related H&S measures, the Total Average H&S Cost per Unit would equal 15 percent. DOE acknowledges that this percentage may vary significantly between Grantees due to different geographical areas and depending upon the availability of other funding sources, resource availability, etc. Low percentages should include a statement of what other funding supports H&S costs, while larger percentages will require greater justification and relevant historical support.*

*15 percent is not a maximum limit on H&S expenditures. DOE will conduct a secondary level of review on H&S Plans with a Grantee request of more than 15 percent of Program Operations used for H&S purposes. **DOE strongly encourages using the table below in developing justification for the requested H&S budget amount.** In accordance with [10 CFR 440.18\(d\)\(15\)](#), these funds are to be expended by the Program in direct weatherization activities, “of which is necessary before, or because of, installation of weatherization materials.” This same section of the regulation excludes the H&S costs from the ACPU limitation if H&S costs are budgeted separately.*

DOE recommends reviewing recent budget requests and compare those to actual H&S expenditures to see if previous budget estimates have been accurate. The resulting Total Average H&S Cost per Unit multiplied by the Grantee's production estimate in the Annual File should correlate to the H&S budget amount listed in the Grantee's annual plan.

### H&S expenditure limits and justification explaining the basis for setting the limits.

Describe H&S Expenditure Limits and Justification Here

Utilizing the spreadsheet embedded below, provide a full list of H&S measures using historical data from your program, including average cost, and frequency rate. If installing more than a single instance of one measure in a unit (e.g. multiple CO alarms), Grantees may aggregate costs so that frequency does not exceed 100%, or enter a justification into the measure column, which explains why that measure has a frequency rate of over 100%. The spreadsheet will auto calculate your expected Total Average H&S Cost per Unit.

Instructions: Double-click icon directly below to open, view and edit Measure Matrix Spreadsheet. Complete the spreadsheet by entering the required information. To save, close the spreadsheet and it will save to this document. Alternatively, the measure matrix is also available as a standalone spreadsheet located at the following link: [Weatherization Program Notice 22-7: Weatherization Health and Safety | Department of Energy](#)



Measure Matrix  
Final.xlsx

## 4.0 – INCIDENTAL REPAIR MEASURES

Any measures that could potentially be identified as H&S, but the Grantee chooses to instead identify and treat those measures as incidental repair measures (IRMs), must be implemented consistently throughout the Grantee's weatherization program. The measure must fit the regulatory definition of an IRM and be cost justified along with the associated energy conservation measure and/or package of measures. [10 CFR 440.3](#) defines Incidental Repairs as, "those repairs necessary for the effective performance or preservation of weatherization materials."

### H&S measures identified and treated as IRMs within your Program.

List any H&S measures from the Table of Issues which are instead addressed as IRM with DOE WAP Funds

## 5.0 – OCCUPANT PRE-EXISTING OR POTENTIAL HEALTH CONDITIONS AND HAZARD IDENTIFICATION AND NOTIFICATION FORM(S)

Grantees must develop a written policy that includes, at a minimum, the following documentation relating to H&S Plan implementation and maintain signed copies in each client file. Each notification must include the occupant(s) (and landlord if applicable) name and address, be signed and dated by the occupant (and landlord if applicable) indicating that they understand and have been informed of their rights and options and signed by the Subgrantee personnel collecting the information.

Required topics are:

- **Occupant Pre-existing or Potential Health Condition Screening**
  - Provides documentation that allows occupant(s) to self-report known or suspected health concerns as part of initial application for weatherization, during the energy audit, or other part of the weatherization process as specified. Must minimally contain the following:
    - Any known risks associated with the measures and materials being installed

- Subgrantee point of contact information for occupant(s)
- Date of screening

▪ **Hazard Identification Notification**

- Provides documentation that the occupant and landlord (if applicable), have been informed of any potential hazards identified during the energy audit or intake process. Must minimally contain the following:
  - Date(s) of the energy audit/assessment and when the occupant(s) (and landlord, if applicable) was informed of a potential H&S issue
  - A clear description of the problem, including any testing results
  - A statement indicating if, or when weatherization could continue

**Radon Informed Consent Form**

- Provides documentation that the occupant(s) (and landlord if applicable) have been informed of any potential hazards associated with radon in weatherized dwellings. The form must minimally contain the following:
  - An explanation on the potential small risk of increasing radon levels when building tightness is improved. This is based on the results of the [Buildings Assessment of Radon Reduction Interventions with Energy retrofits Expansion Study \(The BEX Study\)](#)
  - A list of precautionary measures WAP will install based on [EPA Healthy Indoor Environment Protocols](#).
  - Some of the benefits of Weatherization including energy savings, energy cost savings, improved home comfort, and increased safety.

**Procedure for soliciting occupants’ health and safety concerns related to components of their homes**

Maine WAP staff and contractors will be required to take all reasonable precautions against performing work on homes that will subject workers or clients to health and safety risks.

Before work begins on the residence, the agency/contractor must take into consideration the health concerns of each occupant, the condition of the dwelling, and the possible effect of work to be performed on any particular health or medical condition of the occupants.

Agencies will provide an “Occupant Pre-Existing or Potential Health Conditions” form to the client which explains that some weatherization measures create dust, smells, or other conditions that may aggravate certain health conditions in some individuals. The client will then have the opportunity to self-identify any pre-existing or potential health concerns that may be aggravated by weatherization services.

Agencies, and contractors, are to take into account the client’s concerns to the extent feasible to minimize health risks, such as scheduling weatherization work when the at-risk occupants aren’t present. It is the responsibility of the occupants to take the appropriate safety precautions to protect themselves and notify weatherization workers in advance of any health risks they may have. Clients will be provided a point of contact, in writing, so that the client can inform the agency of any new or developing health conditions. Failure or the inability to take appropriate actions must result in deferral.

**Procedure for determining whether occupants suffer from health conditions which may be negatively impacted by the act of weatherizing their dwelling**

See above

**Procedure for addressing potential health concerns including pre-existing health conditions when they are identified**

See above

**Location where forms have been uploaded/submitted**

Separate attachment to SF424

Separate attachment to H&S Plan



## 6.0 – HEALTH AND SAFETY CATEGORIES

*For each of the following H&S categories identified by DOE in the following tables, follow the directions below.*

- Any section that is “Required” below must be explicitly detailed in the H&S Plan regardless of funding source used. If the Grantee checks the box for “Concurrence with DOE Guidance” the contents of the box may be left as it exists or reference the section/location within Grantee Policy and Procedure manual that contains language or insert Grantee specific language. If the “Alternative Guidance” box is checked, the Grantee must provide that alternative guidance in the box.
  - If a Grantee is proposing an alternative action/allowability for a “Required” item, the alternative requires comprehensive explanation of how it meets the intent of the DOE program notice.
  - If a “Required” item/category will not be addressed with any funding source and will always result in deferral, the H&S Plan must state that.
- Any section that is “Allowable” below must be detailed only if DOE WAP funds are used to implement the measures. If the Grantee uses DOE funds for any “Allowable” activities from the Table of Issues then they must be described here in detail, including defining “minor”, “major”, “limited”, “case-by-case”, and “at-risk” if the term is applied. If you only check the box “Allowed with Alternative Funds” then no additional information is required.
- Any section that is “Prohibited” below may not be addressed with DOE WAP H&S funds and does not need to be specifically addressed in the H&S Plan. The Grantee simply needs to check the “Concur with DOE guidance” box and indicate if the condition will result in deferral/referral.
- The Grantee H&S Plan may address additional H&S hazards specific to their program that are not included in the Table of Issues. If a Grantee chooses to include additional measures as DOE WAP funded H&S costs, the H&S Plan must include details pertaining to the measures allowed, testing required, and client education for these specific hazards.
- All required “Testing/Inspection” related items must be documented in the client file to verify completion and results.

## 6.1 – Air-Conditioning, Heating Systems, and Combustion Appliances

### Required Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>		Alternative Funds <input checked="" type="checkbox"/>

- Replace, repair, or install primary heating systems when existing primary heating systems are unsafe, inoperable, or nonexistent. No home may be left without a safe primary heating system after weatherization where climate conditions require heating (i.e., all climate zones except zone 1 as defined by ASHRAE). If unable to meet this requirement, deferral is required.
- No DOE-funded weatherization work is permitted if the completed dwelling unit will be heated with an unvented combustion space heater as the primary heat source. The primary heat source must be replaced with a vented unit prior to or by weatherization. The replacement unit must be sized to heat the entire dwelling unit.
- Unsafe secondary units, including space heaters, must be repaired, or removed and disposed of, or deferral is required. Secondary unvented space heaters are considered unsafe if they:
  - are not listed and labeled as meeting ANSI Z21.11.2;
  - have an input rating of more than 40,000 BTU/hour;
  - are in a bedroom and have an input rating of more than 10,000 BTU/hour;
  - are in a bathroom and have an input rating of more than 6,000 BTU/hour;
  - are operating in an unsafe manner (e.g., high carbon monoxide (CO) readings, too close to combustible materials, lack sufficient combustion air volume);
  - or are not permitted by the Authority Having Jurisdiction (AHJ).
- DOE WAP Grantees must comply with the Manufactured Home Construction and Safety Standards which mandates that:
  - All fuel-burning appliances in manufactured homes except: ranges, ovens, illuminating appliances, clothes dryers, solid fuel-burning fireplaces and solid fuel-burning stoves, must be installed to provide for the complete separation of the combustion system from the interior atmosphere of the manufactured home (i.e., to draw their combustion air from outside), and be vented to outside the dwelling.
  - All appliances installed by weatherization in manufactured homes must meet these standards, including secondary heating sources. No unvented fuel-burning space heating appliances may remain in a MH after weatherization under any circumstances. If an occupant will not allow the removal of an unsafe combustion appliance from the home, deferral is required.
  - Repair or replace combustion gas venting to ensure proper combustion gas venting to outside the dwelling for all combustion appliances, including but not limited to gas dryers and refrigerators, furnaces, vented space heaters, and water heaters.
- If weatherization installs an appliance that is vented into a masonry chimney, the chimney must be lined in compliance with the International Fuel Gas Code (IFGC) or local AHJ if more stringent.
- Install adequate combustion air for all combustion appliances left after weatherization.
- If permits are required for heating/cooling system work, they must be secured and are a program operation cost if the installation is an ECM or may be included in the H&S cost if installed as a H&S measure.
- If unsafe conditions relating to existing combustion appliances require remediation to safely perform weatherization and cannot be remedied by repair or tuning, replacement is an allowable H&S measure unless prevented by other guidance herein.
- Documentation justifying the replacement with a cost comparison between replacement and repair must be maintained in the client file.
- When combustion safety tests fail, weatherization tasks are deferred until corrective action is taken. Clients are informed of issues and deferral in writing. A state licensed technician evaluates the system. If repair or replacement is recommended, DOE or leveraged funds are pursued first and used whenever allowable or available. If DOE is used for replacement or repair and results in SIR>1, it must be assigned as an ECM. If SIR is < 1, it must be assigned as H&S. If deemed outside the scope of weatherization, deferral is necessary.
- A CO alarm is the first measure installed in the home if there is none present.

- After the weatherization measures are completed, the home must be checked again to ascertain that all combustion appliances are operating safely.

**Allowable Actions**

Allowed with DOE WAP H&S Funds

Allowed with Alternative Funds

Repair and/or replacement of primary heating systems is allowed using H&S funding.

**Prohibited Actions**

Concur with DOE Guidance

Using DOE WAP H&S funds for replacement or installation of secondary heat sources is prohibited.

**Required Testing/Inspection**

Concur with DOE Guidance

Alternative Guidance

- Verify that primary heating systems are present, operable, and performing correctly.
- Conduct a visual inspection of all combustion appliances and their related venting
- Conduct combustion appliance testing of all gas and liquid-fueled combustion appliances.
- Conduct combustion appliance testing and visual inspection of all combustion appliances and their related venting.
- Depressurization and spillage testing is required for all Category 1 appliances pre- and post-weatherization and before leaving the home on any day when work has been done that could affect draft (e.g., air or duct sealing, adding exhaust ventilation).
- CO testing is required for all gas and liquid-fueled combustion appliances, regardless of venting type.
- Verify proper clearances for all combustion venting types
- Visually inspect the entirety of solid fuel-fired appliance installations (e.g., wood stoves, coal stoves, pellet stoves, fireplaces) including the venting system to ensure it adheres to the applicable code or local authority having jurisdiction. Appliances must be inspected pre- and post-weatherization. Appliances must be inspected pre- and post-weatherization and any safety issues found should be included in the client H&S notification form.
- Conduct pre- and post- weatherization worst case CAZ depressurization testing in spaces having a fireplace or woodstove. Since there is no consensus method for verifying safe operation of fireplaces and woodstoves, Grantees can propose testing policies and limits. If the Grantee does not propose a policy and fireplaces or woodstoves are left operational, the vent must meet national or local codes, or the home cannot be weatherized.
- Safety inspections related to space heaters, fireplaces, and woodstoves must include, but not be limited to, verification of adequate floor protection, and code-compliant clearances to walls and other combustible materials.
- Due to some limitations on testing imposed by the Maine Fuel Board (see links in Testing Protocols below) it is MaineHousing policy that oil-fired combustion heating appliances in homes to be weatherized must have been professionally serviced within the previous 12 months; and gas-fired combustion heating appliances must have been serviced within the previous 24 months, of the audit date. Documentation of the service date must be provided. Any combustion heating appliances that do not meet this requirement must receive a Clean Tune and Evaluate (CTE) by a licensed heating technician.

**Grantee Combustion Testing Action Levels**

Guidance will be followed as outlined in BPI-1200 regarding testing and action levels

**Grantee Woodstove & Fireplace inspection/testing policy including actions/limits**

Concur with DOE Guidance

Alternative Guidance

Fireplace or woodstove venting that is left operational after weatherization must meet current local or national standards or the home must be deferred.

**Required Occupant Education**

Concur with DOE Guidance

Alternative Guidance



- Appropriate use and maintenance of units.
- Provide all paperwork and manuals for any equipment installed by weatherization.
- Discuss and provide information on proper disposal of bulk fuel tanks when not removed as part of the weatherization work.
- Where combustion equipment is present, provide combustion safety and hazards information including how to recognize depressurization, dangers of CO poisoning, and fire risks associated with combustion appliance use.

## 6.2 – Asbestos (Confirmed and/or Presumed Asbestos Containing Material)

### Required Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
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DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>
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- When suspected friable Asbestos Containing Materials (ACM) are present, including vermiculite, assume they contain asbestos and take precautionary measures to prevent disturbing it during the audit and work unless testing determines otherwise.
- Grantees must have written policy included in their H&S plan for:
  - Identifying and managing suspected ACM that provides for reasonable and necessary precautions to prevent asbestos contamination in the home.
  - Addressing blower door testing where suspected friable ACM is present (as defined by EPA), including vermiculite.
- Decisions on approaches to potential weatherization work where asbestos is present shall be based on the judgment of the most qualified individual at the agency or a MaineHousing representative. When major energy-saving measures might be sacrificed as a result of suspected asbestos-containing materials, the agency or contractor may have the suspected material tested for asbestos content.

### Grantee ACM policy

Assess potential asbestos hazard; if unsure whether material contains asbestos, contact a qualified asbestos professional to assess the material and to sample and test as needed.

### Grantee Blower Door Testing Policy When Suspected ACM Exists

Blower door testing shall not be conducted when there is the presence of suspected or confirmed ACM.

### Allowable Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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H&S funding can be used for testing of suspect materials.

### Prohibited Actions

Concur with DOE Guidance

Using DOE WAP H&S funds for general abatement/removal/or replacement of asbestos siding, thermal system insulation (TSI) or Transite, or vermiculite is prohibited.

### Required Testing/Inspection

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
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DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input type="checkbox"/>
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- Visually inspect all surfaces (i.e., walls, floors, ceilings, roofs) for suspected ACM prior to drilling or cutting.
- Assume asbestos is present in suspect materials unless testing reveals otherwise.

### Allowable Testing/Inspection

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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H&S funding can be used for testing of suspect materials.

### Required Occupant Education

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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- Formally notify the occupant, and landlord if applicable, in writing:
  - of suspected ACMs that are present and what precautions will be taken to ensure the occupants' and workers' safety during weatherization;
  - of results if testing was performed;
  - not to disturb suspected ACM;
  - When deferral is necessary due to asbestos, occupant, or landlord if applicable, must provide documentation that a certified professional performed the remediation before work continues.

### 6.3 – Biologicals and Unsanitary Conditions

#### Required Actions

Concur with DOE Guidance <input type="checkbox"/>	Alternative Guidance <input checked="" type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	

Maine Weatherization Standards, Section 4.9

#### Allowed Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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- Remediation of a condition that may lead to or promote biological concerns or unsanitary conditions is allowed, however, addressing bacteria and viruses is not an allowable cost.
- Remediation of viruses is not an allowable cost. However, in the unprecedented environment of COVID 19, PPE, cleaning and disinfecting materials and supplies, and reasonable allowance for extra time needed to meet safe work practice protocols specific to COVID 19 will be allowable H&S costs.

See 6.24, COVID 19

#### Required Testing/Inspection

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	

Sensory inspection of interior, exterior, attics, and subspaces of the dwelling.

#### Prohibited Testing/Inspection

Concur with DOE Guidance

DOE WAP H&S funds may not be used for testing of materials for biological contaminants.

#### Required Occupant Education

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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Inform occupant in writing of observed biological and unsanitary conditions.

### 6.4 – Building Structure and Roofing (e.g., roofing, wall, foundation)

#### Allowable Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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- Use testing equipment such as IR camera and moisture meter as well as visual inspection to determine the extent of issues.
- Structural issues that may pose any risk to clients or weatherization workers must be addressed prior to weatherization and in some cases, deferral is necessary.

#### Prohibited Actions

Concur with DOE Guidance

Using DOE WAP H&S funds for *major* repairs as defined by Grantee's H&S Plan.  
Using DOE WAP H&S funds for building rehabilitation is prohibited

#### Define "major" repairs

Major unallowable structural or roofing repairs are those which include more than 15% of the total roof or structural area. In addition, major unallowable roof/structural repairs are those that result in exceeding the per contract H&S per unit average of \$1,200.00 Repairs exceeding the definition are unallowable major repairs.

**Required Testing/Inspection**

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input type="checkbox"/>	

Visual inspection of building structure and roofing for damages that compromise building durability and to verify that portions of the home where weatherization will occur are safe for entry and performance of assessments, work, and inspections.

**Allowable Testing/Inspection**

Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.

**Prohibited Testing/Inspection**

Concur with DOE Guidance

Using DOE WAP H&S funds for any testing/evaluation of structural materials by a third-party is prohibited.

**Required Occupant Education**

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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Notify occupant in writing of structurally compromised areas.

**6.5 – Code Compliance**

**Allowable Actions**

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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- All repair and installation work on the weatherization work order shall conform to the local building codes when applicable, including, but not limited to, 2015IRC, the Maine Plumbing Code; the NFPA 70 National Electric Code; NFPA 101 Life Safety Code; NFPA 31 Standard for the Installation of Oil- Burning Equipment; NFPA 54 National Fuel Gas Code; NFPA 211 Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances; and ASHRAE 62.2-2016 Ventilation and Indoor Air Quality in Low-Rise Residential Buildings.

**Prohibited Actions**

Concur with DOE Guidance

- Using DOE WAP H&S funds for correction of preexisting code compliance issues not directly related to the installation of specific weatherization measures in the home is prohibited.
- Using DOE WAP funds for work on condemned properties and properties where H&S conditions exist that cannot be corrected under this guidance is prohibited

**Required Testing/Inspection**

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	

Visual inspection.

**Allowable Testing/Inspection**

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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- Ventilation and Indoor Air Quality
- Combustion appliance operation and venting
- Electrical work related to installing building ventilation
- Electrical work related to health and safety items affecting worker safety found in the home.

**Required Occupant Education**

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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Inform occupant in writing of observed code compliance issues when it results in a deferral.

## 6.6 – Electrical

### Required Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	

Electrical Labor and Materials used to address K&T shall be categorized as Incidental Repair. Other electrical labor or materials used to address worker/client safety shall be categorized as H&S.

### Allowable Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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Minor allowable electrical repairs are those that don't result in exceeding the per contract H&S per unit average of \$1,200.00.

### Prohibited Actions

Concur with DOE Guidance

Using DOE WAP H&S funds for *major* electrical repairs as defined by the Grantee's H&S plan is prohibited

### Define "major" repairs

Repairs exceeding the definition of minor repairs are unallowable major repairs.

### Required Testing/Inspection

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	

- Visual inspection for presence and condition of knob-and-tube wiring.
- Evaluate knob-and-tube wiring for safety prior to work.
- Check for alterations that may create an electrical hazard.

### Allowable Testing/Inspection

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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Knob and tube testing by a licensed electrician is allowable to determine if it is energized.

### Required Occupant Education

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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- Clients are notified in writing if there are electrical concerns or issues that require a deferral of services.
- If deferral is necessary, the client will be informed in writing of the nature and extent of the problem, how the problem results in deferral and corrective action needed for weatherization to proceed.

## 6.7 – Fuel Leaks

### Required Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input checked="" type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	

- When a gas leak is found on the utility side of service, the utility service must be contacted, work must be temporarily halted, and the leak must be repaired before work may proceed.
- Fuel leaks that are the responsibility of the occupant (vs. the utility) must be repaired before installing weatherization measures in the home.

### Allowable Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>
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Fuel and gas leaks on the client side of the utility can be repaired so that weatherization work can proceed.

### Prohibited Actions

Concur with DOE Guidance <input type="checkbox"/>		
<ul style="list-style-type: none"> <li>Using DOE WAP H&amp;S funds to repair leaks that are the responsibility of the utility to correct is prohibited.</li> <li>Using DOE WAP H&amp;S funds for environmental cleanup resulting from bulk fuel leaks is prohibited</li> </ul>		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Test all exposed gas lines, fittings, valves, and connections for fuel leaks from utility connection to the appliance throughout the home.</li> <li>Test all gas appliances for fuel leaks at all connections, valves, fittings, and burners.</li> <li>Conduct sensory inspection of all bulk fuels lines and storage tanks to determine if leaks exist.</li> </ul>		
<b>Allowable Testing/Inspection</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" testing, detail them here.		
<b>Prohibited Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>		
Using DOE WAP H&S funds for environmental testing of soil or water is prohibited.		
<b>Required Occupant Education</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	
Inform occupants in writing of fuel leak testing results, including specific location if fuel leaks are detected.		

<b>6.8 – Gas Ovens/Stovetops/Ranges</b>		
<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Repair and/or replacement of gas ovens/stovetops/ranges is allowed.</li> <li>Unsafe gas cooking appliances must be repaired if cost effective. DOE funds may be used for repair only, not replacement.</li> <li>Unsafe gas cooking appliances may be replaced using HEAP Weatherization funds when that funding is available.</li> </ul> <p style="text-align: center;">Follow BPI safety protocols for any actionable levels of CO.</p>		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Use a gas leak detector to test for leakage on fuel supply lines. Verify leaks with bubble solution.</li> <li>Visually inspect oven for carbon build-up and flame impingement.</li> <li>Visually inspect burner flames for size and color of flame. If flames are excessively high and orange, it may be set up for the wrong fuel. Discontinue testing and inform client to order a Service Call.</li> <li>Monitor ambient CO when testing oven and flames.</li> <li>Measure CO in the appliance vent and compare to acceptable levels per SWS. Follow protocol for actionable levels of CO and other issues. See section 6.8 Combustion Gases.</li> </ul>		
<b>Define action levels for oven CO testing and resulting actions</b>		
Action levels can be found in BPI-1200 and Maine WAP Guidance		
<b>Allowable Testing/Inspection</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" testing, detail them here.		
<b>Required Occupant Education</b>		

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
<p>Inform occupants of the importance of using exhaust ventilation when cooking and the importance of keeping burners and broilers clean to limit the production of CO.</p> <ul style="list-style-type: none"> <li>• Inform clients of signs of potential problems such as flame impingement and CO emissions and stress the importance of maintenance.</li> <li>• Stress the importance of using exhaust ventilation when operating the stove.</li> <li>• Ensure client understands CO alarm operation and signals.</li> </ul>	

## 6.9 – Hazardous Materials

### Required Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
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DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>
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- Hazardous Waste Materials generated by weatherization work (e.g., refrigerant, asbestos, lead, mercury, CFL lighting bulb/ballasts, etc.) must be disposed of according to all local and federal laws, regulations, and guidelines, as applicable. Costs specifically related to disposal may be charged as a H&S expense.
- Subgrantees must document disposal requirements in contract language with the responsible party.
- **Limited** removal of pollutants that pose a risk to workers is required (e.g., flammable liquids, hazardous chemicals, and other air pollutants) as defined the Grantee’s H&S Plan.
- If removal cannot be performed or is not allowed by the occupant, the unit must be deferred.

### Define “limited” removal of pollutants

Removal of pollutants is required if they pose a risk to weatherization workers. DOE H&S funds may be used. If removal cannot be performed or is not allowed by the client, deferral is necessary and the deferral policy will be followed.

### Allowable Actions

Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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Limited removal is allowed as described above

### Prohibited Actions

Concur with DOE Guidance

Using DOE WAP H&S funds for Lead, Asbestos, and Radon abatement is prohibited.

### Required Testing/Inspection

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
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DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>
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Sensory inspection.

### Allowable Testing/Inspection

Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
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If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.

### Prohibited Testing/Inspection

Concur with DOE Guidance

Using DOE WAP H&S funds for any testing for hazardous materials other than that specifically permitted in the asbestos, lead, and radon sections of this document is prohibited.

### Required Occupant Education

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
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- Inform occupant in writing of hazards associated with hazardous waste materials being generated/handled in the home.
- Inform occupant in writing of observed hazardous condition and associated risks.
- Provide occupant written materials on safety issues and proper disposal of household pollutants.

### 6.10 - Injury Prevention of Occupants

#### Allowable Actions

Allowed with DOE WAP H&S Funds

Allowed with Alternative Funds

DOE H&S funds are strictly for safety issues related to weatherization activities. Issues of accessibility or home repair must be referred to other programs.

#### Prohibited Actions

Concur with DOE Guidance

Using DOE WAP H&S funds for *major* repairs, as defined by the Grantee’s H&S Plan is prohibited

#### Define “major” repairs

Minor allowable injury prevention measures are those that don’t result in exceeding the per contract H&S per unit average of \$1,200.00. Repairs exceeding the definition are unallowable major repairs.

#### Required Testing/Inspection

Concur with DOE Guidance

Alternative Guidance

Results in Deferral/Referral

DOE WAP H&S Funds

Alternative Funds

Visually inspect for dangers that would prevent weatherization.

#### Allowable Testing/Inspection

Allowed with DOE WAP H&S Funds

Allowed with Alternative Funds

If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.

#### Required Occupant Education

Concur with DOE Guidance

Alternative Guidance

If identified hazardous conditions will not be corrected during weatherization, inform occupant in writing of observed hazards and associated risks utilizing the “Hazard Identification Notification Form” required by WPN 22-7.

### 6.11 – Lead-Based Surface Coverings (Paint, Varnishes, Roofing, etc.)

#### Required Actions

Concur with DOE Guidance

Alternative Guidance

Results in Deferral/Referral

DOE WAP H&S Funds

Alternative Funds

- Subgrantees must comply with EPA's Lead; Renovation, Repair and Painting Program (RRP) rules when working in pre-1978 housing unless testing confirms the work area to be lead free. This includes, but is not limited to:
  - Client file documentation including the Certified Renovator’s certification; any training provided on-site; description of specific actions taken; lead testing and assessment documentation; and photos of site and containment set up. Include the location of photos referenced if not in file.
  - Certification and training requirements of the RRP rule.
  - Job site set up and cleaning verification by a Certified Renovator.
- Only those costs directly associated with lead safe work practices for surfaces directly disturbed during weatherization activities are allowable WAP H&S expenses.

#### Allowable Actions

Allowed with DOE WAP H&S Funds

Allowed with Alternative Funds

Costs directly associated with lead safe work practices for surfaces directly disturbed during weatherization activities are allowable H&S expenses.

#### Prohibited Actions

Concur with DOE Guidance <input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Using DOE WAP H&amp;S funds for lead abatement is prohibited.</li> <li>Using DOE WAP H&amp;S funds for purchase, resourcing, or maintenance of X-ray Fluorescence (XRF) devices is prohibited.</li> </ul>	
<b>Allowable Testing/Inspection</b>	
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.	
<b>Required Occupant Education</b>	
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
Follow pre-renovation education requirements per EPA RRP rules.	

## 6.12 – Mold and Moisture

<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Limited water damage repairs are allowed, using DOE funds, when necessary in order to weatherize the home and to ensure the long-term stability and durability of the measures.</li> <li>Source control is allowed when necessary in order to weatherize the home and to ensure the long-term stability and durability of the measures. Source control is independent of latent damage and related repairs. Extensive issues with grade and water table that require excavation may be deemed outside the scope of weatherization. See definition of “Minor” below.</li> <li>Where severe Mold and Moisture issues cannot be addressed, deferral is required.</li> <li>Mold cleanup is not an allowable H&amp;S cost.</li> <li>Surface preparation where weatherization measures are being installed (e.g., cleaning mold off window trim in order to apply caulk) must be charged as part of the ECM, not to the H&amp;S budget category.</li> </ul>		
<b>Prohibited Actions</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>		
<ul style="list-style-type: none"> <li>Using DOE WAP H&amp;S funds for mold cleanup is prohibited.</li> <li>Using DOE WAP H&amp;S funds for window and door replacements is prohibited</li> </ul>		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
Visual assessment for moisture or mold damage including exterior drainage.		
<b>Allowable Testing/Inspection</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.		
<b>Prohibited Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>		
Using DOE WAP H&S funds for mold testing of any type is prohibited.		
<b>Required Occupant Education</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	
Provide occupant written notification of identified mold/moisture hazards and information regarding the associated hazard.		

## 6.13 - Occupant Pre-existing or Potential Health Conditions

<b>Required Actions</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>



DOE WAP H&S Funds <input type="checkbox"/>		Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>When a person's health may be at risk and/or WAP work activities could constitute an H&amp;S hazard, the occupant is required to take appropriate action based on severity of risk.</li> <li>Deferral, if occupant risk cannot be mitigated.</li> </ul>			
<b>Allowable Actions</b>			
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" actions, detail them here.			
<b>Required Testing/Inspection</b>			
Concur with DOE Guidance <input checked="" type="checkbox"/>		Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>		Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Screen occupants for known or suspected health concerns either as part of initial application for weatherization, during the audit, or both.</li> <li>This is done utilizing the "Occupant Pre-existing or Potential Health Condition Screening Form" required by WPN 22-7.</li> </ul>			
<b>Allowable Testing/Inspection</b>			
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" testing, detail them here.			
<b>Required Occupant Education</b>			
Concur with DOE Guidance <input checked="" type="checkbox"/>		Alternative Guidance <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Inform occupant in writing of any known risks and provide pre-weatherization screening form.</li> <li>Provide occupant with Subgrantee point of contact information in writing.</li> </ul>			

<b>6.14 – Pests</b>			
<b>Required Actions</b>			
Concur with DOE Guidance <input checked="" type="checkbox"/>		Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>		Alternative Funds <input checked="" type="checkbox"/>	
Deferral of homes where infestation of pests cannot be reasonably removed or poses H&S concern for workers.			
<b>Allowable Actions</b>			
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" actions, detail them here.			
<b>Allowable Testing/Inspection</b>			
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any "allowable" testing, detail them here.			
<b>Required Occupant Education</b>			
Concur with DOE Guidance <input checked="" type="checkbox"/>		Alternative Guidance <input type="checkbox"/>	
Inform occupant in writing of observed conditions and associated risks.			

<b>6.15 – Radon</b>			
<b>Required Actions</b>			
Concur with DOE Guidance <input checked="" type="checkbox"/>		Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>		Alternative Funds <input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>Cover exposed dirt floors within the pressure/thermal boundary with a sealed soil gas retarder</li> <li>Cover sump well/pits with airtight covers</li> <li>Implement ventilation as required by ASHRAE 62.2-2016</li> </ul>			
<b>Allowable Actions</b>			
Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>		Allowed with Alternative Funds <input checked="" type="checkbox"/>	

<ul style="list-style-type: none"> <li>Radon mitigation is not an allowable H&amp;S cost.</li> <li>Clients must sign an informed consent form prior to receiving weatherization services. This form must be kept in the client file.</li> <li>In homes where radon may be present, work scope should include precautionary measures based on EPA Healthy Indoor Environment Protocols for Home Energy Upgrades, to reduce the possibility of making radon issues worse. Whenever site conditions permit: <ul style="list-style-type: none"> <li>Cover exposed dirt floors within the pressure/thermal boundary with 6 mil (or greater) polyethylene sheeting, lapped at least 12" and sealed with appropriate sealant at all seams, walls and penetrations.</li> <li>Other precautions may include, but are not limited to, sealing any observed floor and/or foundation penetrations, including open sump pits, isolating the basement from the conditioned space.</li> </ul> </li> </ul> <p>Maine climate rules out passive ventilation of basements. When CAZ issues are not a concern, mechanical exhaust may be installed in the basement as a H&amp;S measure.</p>	
<b>Prohibited Actions</b>	
Concur with DOE Guidance <input checked="" type="checkbox"/>	
Using DOE WAP H&S funds for radon mitigation is prohibited.	
<b>Allowable Testing/Inspection</b>	
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
If DOE WAP H&S Funds are used for any "allowable" testing, detail them here.	
<b>Required Occupant Education</b>	
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
<ul style="list-style-type: none"> <li>Provide all occupants EPA's A Citizen's Guide to Radon and inform them of radon related risks.</li> <li>Occupants must sign an informed consent form prior to receiving weatherization services.</li> </ul>	

<b>6.16 – Safety Devices: Smoke and Carbon Monoxide Alarms, Fire Extinguishers</b>		
<b>Required Actions</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	
Install CO alarms in every home where alarms are not present or are inoperable in compliance with ASHRAE 62.2-2016 which references NFPA 720 (note: NFPA 720 has been incorporated into NFPA 72).		
<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>When a dwelling has any combustion appliances and no operable CO alarms are present, at least one carbon monoxide (CO) alarm must be installed in the dwelling prior to weatherization measures being installed.</li> <li>CO alarms must be installed in all homes where none currently exist or existing alarms do not function, whether there are combustion appliances in the home or not.</li> </ul> <p>All CO alarms installed shall be the equivalent to the latest Underwriters Laboratory standard, ANSI/UL 2034, and comply with NFPA 720. Installed CO alarms may be used that sound alarm at a lower concentration of CO than 9ppm.</p>		
<b>Prohibited Actions</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>		
Using DOE WAP H&S funds for replacement of functional smoke or CO alarms that are not beyond the manufacturer's stated lifetime is prohibited.		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
Verify operation and age of installed alarms.		
<b>Allowable Testing/Inspection</b>		

Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.	
<b>Required Occupant Education</b>	
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
Provide occupant with verbal and written information on use of newly installed devices and the potential risks of not properly maintaining these devices.	

<b>6.17 – Ventilation and Indoor Air Quality</b>		
<b>Required Actions</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	
Install ventilation as required by ASHRAE 62.2 - 2016. If occupant refuses ventilation as required by ASHRAE 62.2, the home must be deferred.		
<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” actions, detail them here.		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input checked="" type="checkbox"/>	
<ul style="list-style-type: none"> <li>ASHRAE 62.2 evaluation to determine required post-weatherization ventilation.</li> <li>Measure fan flow of existing fans and of installed equipment to verify performance.</li> </ul>		
<b>Allowable Testing/Inspection</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.		
<b>Required Occupant Education</b>		
Concur with DOE Guidance <input type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Provide occupant with information on function, use, and maintenance (including location of service switch and cleaning instructions) of ventilation system and components.</li> <li>Provide occupant with equipment manuals for installed equipment.</li> <li>Include disclaimer that ASHRAE 62.2 does not account for high polluting sources or guarantee indoor air quality.</li> </ul>		

<b>6.18 – Water Heaters</b>		
<i>(see Combustion Appliances for combustion related requirements)</i>		
<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” actions, detail them here.		
<b>Required Testing/Inspection</b>		
Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input checked="" type="checkbox"/>
DOE WAP H&S Funds <input checked="" type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
<ul style="list-style-type: none"> <li>Visual inspection of all water heaters and related piping for safety and leaks</li> <li>See Combustion Appliances section for related combustion safety testing requirements.</li> </ul>		
<b>Allowable Testing/Inspection</b>		
Allowed with DOE WAP H&S Funds <input checked="" type="checkbox"/>	Allowed with Alternative Funds <input checked="" type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.		
<b>Required Occupant Education</b>		

Concur with DOE Guidance <input checked="" type="checkbox"/>	Alternative Guidance <input type="checkbox"/>
<ul style="list-style-type: none"> <li>• Appropriate use and maintenance of units.</li> <li>• Provide all paperwork and manuals for any installed equipment.</li> <li>• Where combustion equipment is present, provide combustion safety and hazards information including how to recognize depressurization, dangers of CO poisoning, and fire risks associated with combustion appliance use.</li> </ul>	

<b>6.19 – Worker Safety</b>		
<b>Required Actions</b>		
Concur with DOE Guidance <input type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>	Alternative Funds <input type="checkbox"/>	
Adherence to all federal, state, and local worker safety regulations (e.g., OSHA, EPA).		
<b>Allowable Actions</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” actions, detail them here.		
<b>Prohibited Actions</b>		
Concur with DOE Guidance <input type="checkbox"/>		
Using DOE WAP H&S funds for <i>major</i> repairs as defined by the Grantee’s H&S Plan is prohibited.		
<b>Define “major” repairs</b>		
Define the term “major” repairs using a quantifiable methodology.		
<b>Allowable Testing</b>		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>	Allowed with Alternative Funds <input type="checkbox"/>	
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.		

## 6.X – (Insert Additional H&S Items for Use of DOE WAP H&S funds)

Required Actions		
Concur with DOE Guidance <input type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>		Alternative Funds <input type="checkbox"/>
Insert required item text		
Allowable Actions		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>
If DOE WAP H&S Funds are used for any “allowable” actions, detail them here.		
Prohibited Actions		
Concur with DOE Guidance <input type="checkbox"/>		
What is prohibited		
Required Testing/Inspection		
Concur with DOE Guidance <input type="checkbox"/>	Alternative Guidance <input type="checkbox"/>	Results in Deferral/Referral <input type="checkbox"/>
DOE WAP H&S Funds <input type="checkbox"/>		Alternative Funds <input type="checkbox"/>
Insert required item text		
Allowable Testing/Inspection		
Allowed with DOE WAP H&S Funds <input type="checkbox"/>		Allowed with Alternative Funds <input type="checkbox"/>
If DOE WAP H&S Funds are used for any “allowable” testing, detail them here.		
Prohibited Testing/Inspection		
Concur with DOE Guidance <input type="checkbox"/>		
What is prohibited		
Required Occupant Education		
Concur with DOE Guidance <input type="checkbox"/>		Alternative Guidance <input type="checkbox"/>
Insert required item text		