



Single Family Site-Built Priority List Checklist - Region 3

- The home is a single-family residence. [] True [] False
The home is 3-stories or less above grade. [] True [] False
The home structure is wood-framed. [] True [] False
The primary heating system is:
[] True [] False
[] True [] False
[] True [] False
Incidental Repair costs paid for with DOE funds will be less than \$500. [] True [] False

If you answered FALSE to any of the above questions, then this property is not eligible for use with this checklist.
If you answered TRUE to all the above questions you may continue with the following checklist items.

Client Name/Job Number: _____ / _____
Address: _____

Number of bedrooms: _____ Number of occupants: _____

Number of conditioned stories (including conditioned basement, if any): _____
If this includes a conditioned basement, does the basement have a door leading to outside?
[] Yes. [] No. [] No conditioned basement

Primary heating fuel: _____ Secondary heating fuel: _____

Are there any combustion appliances in the conditioned or unconditioned spaces of the home (this includes any outdoor combustion packaged units)?
[] Yes. Total #: _____. Use combustion testing form Combustion Safety & Heating Improvement Survey.
If more than 1 CAZ exists in the home, use multiple forms.
[] No. Proceed with this checklist. No combustion safety testing is required.

Completed H&S form Educational Notification & Health and Safety Assessment to guide the physical safety inspection of the home.
Was this form completed? [] Yes

Required photos of inspection:
[] Complete exterior of all sides of home.
[] Foundation area including measurement of joist depth, insulation depth, and air sealing locations.
[] Attic area including measurement of joist depth, insulation depth, and air sealing locations.

- Wall cavity visual inspection of cavity depth, insulation depth, and air sealing locations.
- All accessible ducts outside the thermal boundary including areas to repair, seal, and insulate.
- All diagnostic testing results (CO, CAZ, SSE, CFM, etc.).
- Data tags (or lack thereof) for all heating/cooling systems, refrigerators, and water heaters.
- Flue/chimney for all vented combustion appliances.
- All H&S related issues.
- All Incidental Repair Measures (IRM).

1 – Mandatory – Health and Safety Measures: [SWS 2](#), [6](#);

Complete all H&S measures as required.

<u>H&S Measure</u>	<u>Quantity</u>	<u>Location</u>

Additional Comments: _____

2 – Mandatory - LED Lighting: SWS [7.0103.1](#);

Is all screw-based lighting in the home LED? (Consider only lights used a minimum 1 hour per day)

- Yes.** Lighting replacement is not required. Skip to Section 3.
- No.** Provide detail of type, wattage, number to be replaced and location:

<u>Existing Bulb Type</u>	<u>Wattage</u>	<u>Quantity</u>	<u>Room locations</u>

Additional Comments: _____

3 - Mandatory - Air Sealing: SWS [3.01](#), [3.0202.1](#);

Check the box for each item that applies to this home. Add any necessary details to the comments section below.

- Attic top-plates;
- Bypasses, penetrations, and/or holes in the ceiling;
- Bypasses, penetrations, and/or holes in the walls;
- Bypasses, penetrations, and/or holes in the floor (unconditioned foundations only);
- Sill box to floor intersection requires air sealing (unconditioned foundations only);
- Entire sill box area requires air sealing (conditioned foundations only);
- Exterior door weatherstripping/sweep;

Locations: _____

- Attic Access (if access is between conditioned and unconditioned space);

Locations: _____

- Foundation Access (if access is between conditioned and unconditioned space);

Locations: _____

- Other: _____

Additional Comments: _____

4 – Mandatory – Duct Sealing: SWS [5.0105](#), [5.0106.1](#);

Are any heating or cooling system ducts located outside the thermal boundary (i.e., in unconditioned space)?

- Yes.** Continue with the Duct Sealing Sections 4 and 5.
- No.** Duct sealing is not required. Skip to Section 6.

Duct Repairs: Are there any significant duct failures that need repair prior to sealing and insulating?

- Yes.** List Repairs in Table below.
- No.** Continue with the Duct Sealing Section.

<u>Duct Repair Location</u>	<u>Square Ft.</u>	<u>Materials</u>

Duct Sealing: Are all accessible ducts already sealed with mastic?

- Yes.** Skip to Section 5.
- No.** Detail sealing below.

Accessible ductwork is in: an unconditioned attic an unconditioned subspace

Note location of accessible ductwork not sealed with mastic.

<u>Duct Sealing Locations</u>	<u>Linear Ft.</u>	<u>Materials</u>

Additional Comments: _____

5 – Mandatory - Duct Insulation: SWS [5.0107](#);

Are all accessible ducts outside the thermal boundary already insulated?

- Yes.** Additional duct insulation is not required. Skip to Section 6.
- No.** Insulate to R8 (or R12 if exposed to the exterior).

<u>Location for Duct Insulation</u>	<u>Square Ft.</u>	<u>Materials</u>

Additional Comments: _____

6 – Mandatory – Ceiling Insulation: SWS [4.01](#);

What type(s) of attic exist in the home? (Check all that apply)

- Unconditioned unfloored attic
- Unconditioned floored attic (ceiling joist size: 2 x _____)
- Unconditioned cathedral or vaulted ceiling (rafter size: 2 x _____)
- Finished attic, knee-wall attic or bonus room
- Other: _____

Are all unconditioned attics insulated to R60 or greater, or to full capacity if less?

- Yes.** Additional attic insulation is not required. Continue with the Ceiling Insulation Section.
- No.** Insulate attic(s) to R60 or to full capacity of ceiling, if less.

<u>Unconditioned Attic Type & Access Location</u>	<u>Existing Insulation Depth (inches)</u>	<u>Area to Insulate (ft2)</u>	<u>Insulation Type to Add</u>

Does a finished, conditioned attic exist? **Yes.** **No.**

If YES, check all that apply:

- Collar beam is insulated to R60 or is filled to capacity.
- Outer Ceiling Joists are insulated to R60 or are filled to capacity.
- Enclosed roof rafter slopes are insulated to full capacity.
- Knee-walls are insulated.

For any of the above checkbox items that are NOT checked, complete the following table:

<u>Finished Attic Type</u>	<u>Existing Insulation Depth (inches)</u>	<u>Depth Available for New Insulation (inches)</u>	<u>Area to Insulate (ft2)</u>	<u>Insulation Type to Add</u>
Collar Beam				
Enclosed Roof Rafter				
Outer Ceiling Joist				
Knee-wall				

Attic prep required before insulating (check all that apply):

- Air sealing (detail in section 3)
- Soffit baffles (quantity needed: _____)
- Insulation dams (quantity needed: _____)
- Flag utility junctions (quantity needed: _____)
- Air seal and insulated attic hatch (number of attic hatches to treat: _____)
- Other: _____

Additional Comments: _____

7 – Mandatory - Exterior Wall Insulation: SWS [4.0202.1](#);

Consider all walls that are part of the conditioned boundary, including walls adjacent to buffered spaces. Do all exterior walls (including buffered walls) have existing insulation?

- Yes.** Additional wall insulation is not required. Skip to Section 8.
- No.** Dense pack all uninsulated exterior walls to full capacity.

<u>Uninsulated Wall Location</u>	<u>Gross Area to Insulate (ft2)</u>	<u>Wall Cavity Depth (inch)</u>	<u>Insulation Type to Add</u>

OPTIONAL: Are there any partially insulated exterior wall cavities (e.g., 3.5” cavity with 2” of existing batt)?

- Yes.** Dense pack all uninsulated exterior walls to full capacity. (This step is not mandatory).
- No.** Additional wall insulation is not required. Skip to Section 8.

<u>Uninsulated Wall Location</u>	<u>Gross Area to Insulate (ft2)</u>	<u>Available Cavity Depth (inch)</u>	<u>Insulation Type to Add</u>

Wall prep required before insulating; check all that apply:

- Lead-safe work practices
- Repairs. Describe: _____
- Insulation must be installed from inside the home
- Other: _____

Additional Comments: _____

8 – Mandatory – Floor Insulation:

Check all that apply:

- Foundation spaces are: Conditioned. Complete sub-section (A) of this page.
 Unconditioned and/or vented. Complete sub-section (B) of this page.
 Slab. Floor insulation is not required. Skip to Section 9.

(A) Conditioned Foundations: SWS [4.0401](#), [4.0402](#)

Mandatory: Are all accessible rim/band joists (sill boxes) insulated to R30 or to capacity, if less?

- Yes.** Rim/band joist insulation is not required. Skip to Section 8(b).
 No. Insulation is required. Complete the following table.

<u>Foundation Access Location</u>	<u>Sill Box Height (inches)</u>	<u>Perimeter to Insulate (feet)</u>	<u>R-Value to Add</u>	<u>Insulation Type to Add</u>

- Optional:** Above-grade foundation walls have: Cavity insulation of R19, or to capacity, if less.
 Continuous insulation of R15 or more.

If NEITHER of the above boxes are checked, then foundation wall insulation is an allowable measure.

Complete the following table if this measure is to be performed.

<u>Foundation Access Location</u>	<u>Above-Ground Wall Height (feet)</u>	<u>Perimeter to Insulate (feet)</u>	<u>R-Value to Add</u>	<u>Insulation Type to Add</u>

(B) Unconditioned or Vented Foundations: SWS [4.03](#);

Are any floors of the conditioned home uninsulated and adjacent to accessible unconditioned foundation spaces?

- Yes.** Insulate all uninsulated floors adjacent to heated space to R30 or to full joist capacity, if less.
Exception: No insulation is required for crawlspace heights below 2 feet: Average Height: _____ feet
 No. Floor insulation is not required. Skip to Section 9.

<u>Uninsulated Floor Location</u>	<u>Gross Area to Insulate (ft2)</u>	<u>Available Cavity Depth (inch)</u>	<u>Insulation Type to Add</u>

Do any foundation spaces to which insulation was added have an exposed dirt floor?

- Yes.** Install complete ground moisture barrier over any exposed dirt floor in spaces where insulation was added. SWS [2.0202](#);
 No. Ground moisture barrier is not required. Skip to Section 9.

Additional Comments: _____

9 – Optional - General Heat Waste Reduction: Limited to \$250 maximum per home.

- Install faucet aerators (≤ 2.2 GPM). SWS [7.0201.1](#);

Total number of aerators to install: _____

Install in: Kitchen Bath 1 Bath 2 Bath 3

- Install low-flow showerheads (≤ 2.5 GPM). SWS [7.0201.1](#);

Total number of showerheads to install: _____

Install in: Bath 1 Bath 2 Bath 3

- Water heater tank insulation (R-11 minimum). SWS [7.0301.2](#);

Total number of water heaters to insulate: _____

- Water heater pipe wrap (Insulate the 6' of cold-water nearest the DWH and any/all accessible hot water line to a minimum of R3). SWS [7.0301.1](#);

Total linear feet of pipes to wrap: _____

Additional Comments: _____

10 – Optional - Refrigerator: SWS [7.0101.1](#);

Was the refrigerator manufactured prior to 2001, or can be shown to use >1000 kWh/yr based upon energy use metering or an industry-accepted resource?

- Yes.** Replacement of one (1) fridge is allowed. Replacement refrigerator must be rated to use 400 kWh/yr. or less and cost no more than \$850 (price includes all materials, labor and safe disposal of old fridge).
 No. Refrigerator replacement is not allowed. Skip to Section 11.

Refrigerator Brand and Model: _____

Refrigerator Size (cu ft): _____

Refrigerator Year of Manufacture: _____

If Year of Manufacture is newer than 2001:

- Refrigerator was metered (Result: _____ kWh/yr)
 Refrigerator usage was derived from an industry-accepted resource (Result: _____ kWh/yr)

Additional Comments: _____

11 – Optional - Primary Room Air-Conditioner Replacements: SWS 5.0301 <https://sws.nrel.gov/spec/503011>

- Existing window air conditioner (WAC) unit(s) manufactured prior to **2014**
Replace with *minimum 12 CEER* unit(s) of the same or lesser BTU capacity.
Total number of WAC to install: _____
Capacity of each unit: _____ KBTU

Additional Comments: _____

Auditor (printed name): _____ Auditor signature: _____