

WisWAP Mobile Homes Measures List Reporting Guide

Ref #	Code	Name	Measure Description	Measure Detail Examples/Tips	Reporting/Tips
ENERGY CONSERVATION MEASURES (ECMs)					
JHSR Heating System Replacement					
1	JHSR065	Gas Mobile Home 90%	<p>Replace furnaces that have a calculated combustion efficiency of 80% or less.</p> <p>Replace furnaces that have a standing pilot.</p>	<p>If the existing furnace does not meet replacement guidelines below, the agency may bypass the furnace replacement measure and advance to the next measure.</p> <p>To calculate the combustion efficiency take the output BTU/HR divided by the input BTU/HR to get the efficiency.</p>	<p>An agency must include its bid cost for a replacement furnace as part of the allowed expenditure. The cost of auxiliary work (I. E., condensate pump, thermostat) shall also be included in the deducted cost.</p> <p>If the furnace was replaced through the HE+ Furnace Program within the previous 12 months, the invoiced replacement cost is considered as part the job's allowable expenditure.</p>
JHSM Heating System Modifications					

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2	JHSM065	Seal Ducts – Mobile Home	<p>Limit duct sealing to the major leakage points of a mobile-home duct system.</p> <ul style="list-style-type: none"> Boots Plenum Ends Crossovers <p>If visual inspection indicates that these areas do not require sealing, it is not required to seal them.</p>	<p>An agency may also seal major holes in the ductwork while still addressing the items listed above within the time cap.</p>	<p>The time cap for duct sealing is 3 labor hours.</p> <p>An agency shall deduct the cost for duct sealing from the allowable expenditure limit.</p>
ABD Air Sealing					
3	ABD040	Air Sealing – Mobile Home	<p>Limit air sealing to the typical major leakage points of the mobile home’s pressure boundary</p> <ul style="list-style-type: none"> Underneath sinks Above the furnace and water heater Around the electrical box Around kitchen range-hood exhaust <p>If visual inspection indicates that these areas do not require sealing, then don’t seal them.</p>	<p>Only perform major air sealing.</p>	<p>Limited to \$450 or 3 total labor hours, whichever comes first.</p> <p>Cost cap shall include the cost of material and labor.</p> <p>This measure comes off of the allowable expenditure.</p>
DIF Floor Insulation (Limited Belly Insulation)					
4	DIFL095	Fiberglass Batt R11 – Mobile Home	<p>Insulate with fiberglass batt and patch holes in the road barrier, intending to restore the belly to its original construction and integrity.</p> <p>Focus only on water/sewer lines and other areas that need protection from the elements.</p>	<p>When more than 20% of the belly is in need of repair, defer services. Example: on a 980 Ft2 unit, it is only allowed to patch up to 196 Ft2. If more extensive work is needed AND an agency thinks they can complete that work in a cost effective manner, contact the Energy Help Desk at heat@wisconsin.gov to request a waiver.</p>	<p>Limited to \$500.</p> <p>Cost cap shall include the cost of material and labor.</p> <p>This measure comes off of the allowable expenditure.</p>

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5	DIFL100	Fiberglass Batt R19 – Mobile Home	<p>Insulate with fiberglass batt and patch holes in the road barrier, intending to restore the belly to its original construction and integrity.</p> <p>Focus only on water/sewer lines and other areas that need protection from the elements.</p>	When more than 20% of the belly is in need of repair, defer services. Example: on a 980 Ft2 unit, it is only allowed to patch up to 196 Ft2. If more extensive work is needed AND an agency thinks they can complete that work in a cost effective manner, contact the Energy Help Desk at heat@wisconsin.gov to request a waiver.	<p>Limited to \$500.</p> <p>Cost cap shall include the cost of material and labor.</p> <p>This measure comes off of the allowable expenditure.</p>
Baseload Measures					
PCFL Lighting					
6	PCFL035	CFL Bulb – Mobile Home			Does not come off of allowable expenditure.
7	PCFL040	Halogen Torchiere Replacement – Mobile Home			Does not come off of allowable expenditure.
8	PCFL055	LED Bulb – Mobile Home			Does not come off of allowable expenditure.
MWHT Flow Restrictors and Showerheads					
9	MWHT030	Flow Restrictors- Mobile Home			Does not come off of allowable expenditure.
10	MWHT045	Showerhead - Mobile Home			Does not come off of allowable expenditure.
XHAL CO and Smoke Detectors					
11	XHAL025	CO Detector New or Replace – Mobile Home		If a gas water heater, natural drafting furnace, or draft induced furnace is present in the mobile home, attempt to locate the CO alarm relatively close to the appliances.	Does not come off of allowable expenditure.
12	XHAL030	Smoke Detector New or Replace – Mobile Home			Does not come off of allowable expenditure.

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URR Refrigerator					
13	URR015	Replacement – Mobile Home	Replace existing refrigerators manufactured prior to 2004.	<p>If the refrigerator is greater than or equal to 18 cubic feet (CF), the replacement refrigerator shall be equal in size</p> <p>If the existing refrigerator is less than 18 CF, upsize to an 18 CF refrigerator if the available refrigerator opening will accommodate the larger size.</p>	Does not come off of allowable expenditure.
VFR Freezer					
14	VFR005	Replacement	Replace existing refrigerators manufactured prior to 2004.		Does not come off of allowable expenditure
MWHC Water Heater Conversions					
15	MWHC025	Gas, Mobile Home direct vent from electric	Replace existing electric water heaters with natural-gas direct vent water heaters.	<p>Prior to replacement the energy auditor must verify that the conversion is feasible:</p> <ul style="list-style-type: none"> i. Flooring and attic structures will not impede proper venting. ii. Closet allows enough clearance to complete installation. iii. The customer agrees to the conversion. 	<p>Does not come off of allowable expenditure.</p> <p>\$250 maximum allowance above and beyond the bid cost allowed for incremental charges</p> <p>Retrofitting of the cabinet for the installation of the water heater.</p>
Health and Safety					
ZRAQ Dryer Venting					
16	ZRAQ030	Dryer Venting – Mobile Home	Vent dryers to the exterior per current Program Manual and Field Guide standards.		Labor and Material shall come off of the allowable expenditure.