CAAC Price Sheet Revised 7-22-2024

Measures - Weatherization

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
Open blow attic insulation	Attic Insulation		Labor	Material	Total L&M
Cellulose insulation - r-13 - open blow	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Cellulose insulation - r-19 - open blow	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Cellulose insulation - r-30 - open blow	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Cellulose insulation - r-38 - open blow	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Cellulose insulation - r-49 - open blow	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Batt Insulation - r-13	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Batt Insulation - r-19	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Batt Insulation - r-30	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Batt Insulation - r-38	Flag all wiring junction boxes and install insulation markers as needed, Work must meet SWS standards	sqft.			
Remove existing Insulation	Remove existing insulation- all locations	sqft.			
Floored attic insulation	Attic Insulation		Labor	Material	Total L&M
Blown cellulose r-13	Insulate areas below floor decking by removing flooring and reinstalling or drill and tube. Work must meet SWS standards	sqft.			
Blown cellulose r-19	Insulate areas below floor decking by removing flooring and reinstalling or drill and tube. Work must meet SWS standards	sqft.			
Blown cellulose r-25	Insulate areas below floor decking by removing flooring and reinstalling or drill and tube. Work must meet SWS standards	sqft.			
Blown cellulose r-30	Insulate areas below floor decking by removing flooring and reinstalling or drill and tube. Work must meet SWS standards	sqft.			
Fill ceiling cavities - dense fill only	Dense Fill Attic Insulation		Labor	Material	Total L&M
Cellulose insulation - r-13 - dense fill	Work must meet SWS standards	sqft.			
Cellulose insulation - r-19 - dense fill	Work must meet SWS standards	sqft.			
Cellulose insulation - r-25 - dense fill	Work must meet SWS standards	sqft.			

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
Cellulose insulation - r-30- dense fill	Work must meet SWS standards	sqft.			
Attic access	Attic Access		Labor	Material	Total L&M
Existing attic access treatment	Insulate to equal R-value of attic, handle, weather stripping, caulking, insulation damn. Work must meet SWS standards	ea.			
Install new access	Insulate to equal R-value of attic. Include trims/stops/framing, plywood, handle, hardware, weather stripping, caulking, insulation damn. Work must meet SWS standards	ea.			
Kneewall new access	Insulate to equal R-value of kneewall. Include trims/stops/framing, plywood, handle, hardware, weather stripping, caulking, insulation damn. Work must meet SWS standards	ea.			
Walk up attic access treatment	Insulate as needed. Include trims/stops/framing, plywood, handle, hardware, weather stripping, caulking, insulation damn. Work must meet SWS standards	ea.			
Pull Down Stair treatment	Insulate to equal R-value of attic. Include trims/stops/framing, plywood, handle, hardware, weather stripping, caulking, insulation damn. Work must meet SWS standards	ea.			
Attic venting	Attic Venting		Labor	Material	Total L&M
Roof can	installation and weather sealing , Work must meet SWS standards	ea.			
14"x14" gable vent or smaller	to include cut in, nailers/framing/trims and, weather sealing, Work must meet SWS standards	ea.			
14"x14" gable vent or larger	to include cut in, nailers/framing/trims and, weather sealing, Work must meet SWS standards	ea.			
Soffit vent with baffles	to include cut in, nailers/framing/trims and, weather sealing, Work must meet SWS standards	ea.			
Baffles only	proper sizing for spacing, Work must meet minimum standards	ea.			
Ridge vent	to include cut in, nailers/framing and , weather sealing, Work must meet SWS standards	lft.			
Heat producing devices			Labor	Material	Total L&M
Masonry Chimney barrier	Work must meet SWS standards	ea.			
B- Vent barrier	Work must meet SWS standards	ea.			
Flue collars	Fire rated to seal gaps at flue penetrations	ea.			
Non IC can light cover	Work must meet SWS standards	ea.			
Close off fireplace	Seal, and string with warning tag/flag	ea.			
Knob and Tube damming	Work must meet SWS standards	lft.			

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
Sill box insulation	Rim/Band Joist		Labor	Material	Total L&M
Fiberglass r-13 batt - Ridged foam covered	R13 Unfaced batts - 1" ridged XPS foam covered and sealed to rim/band/sills. To include all prep and clean up. Work must meet SWS standards	sqft.			
Add 1" 2 part Foam only	1 Inch Spray foam. To include all prep and clean up. Work must meet SWS standards	sqft.			
Add 2" 2 part Foam only	2 Inch Spray foam. To include all prep and clean up. Work must meet SWS standards	sqft.			
Perimeter Insulation	Foundation - Perimeter Insulation		Labor	Material	Total L&M
Rigid foam board r-10 - flat wall only	XPS foam. Work must meet SWS standards	sqft.			
2 Part Foam - 1 inch	To include all prep and clean up. Work must meet SWS minimum standards	sqft.			
2 Part Foam - 2.5 Inch	To include all prep and clean up. Work must meet SWS minimum standards	sqft.			
Vapor retarder	6 Mil Visqueen on Ground - Overlap & Tape Seams 12" & 6" Up Foundation Wall (Per Sq. Ft.)	sqft.			
Crawl space access	crawl spaces - 3.14 Series		Labor	Material	Total L&M
Crawl space access new	Includes trims/stops/framing, treated plywood door, handle, hardware, weatherstrip and, insulation t, Must meet SWS standards	ea.			
Treat existing access	seal all bypasses, insulation to equal R-value of floor/box sill/perimeter, handle, w/s, Must meet SWS standards	ea.			
Basement window close off	install exterior treated ply., insulate, seal exterior, seal interior, seal all bypasses	ea.			
Floor Insulation	Floor Insulation		Labor	Material	Total L&M
Fiberglass batt - r-13	Properly attached, supported, and installed around floor penetrations Work must meet SWS minimum standards	sqft.			
Fiberglass batt - r-19	Properly attached, supported, and installed around floor penetrations Work must meet SWS minimum standards	sqft.			
Fiberglass batt - r-30	Properly attached, supported, and installed around floor penetrations Work must meet SWS minimum standards	sqft.			
Blown Cellulose r-13	Work must meet SWS minimum standards	sqft.			
Blown Cellulose r-19	Work must meet SWS minimum standards	sqft.			
Blown Cellulose r-25	Work must meet SWS minimum standards	sqft.			
Blown Cellulose r-30	Work must meet SWS minimum standards	sqft.			

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
Spray Foam r-13	Work must meet SWS minimum standards	sqft.			
Wall Insulation	Exterior Wall Insulation		Labor	Material	Total L&M
Cellulose - 2x4 - dense filled	Weather sealing of all access points. Must meet SWS standards	sqft.			
Cellulose - 2x6 - dense filled	Weather sealing of all access points. Must meet SWS standards	sqft.			
Kneewall Insulation	Kneewall Insulation		Labor	Material	Total L&M
Fiberglass batts - r-13	House wrap or equivalent on cold side of assembly. Properly attached, supported, and installed around penetrations Work must meet SWS minimum standards	sqft.			
Fiberglass batts - r-19	House wrap or equivalent on cold side of assembly. Properly attached, supported, and installed around penetrations Work must meet SWS minimum standards	sqft.			
Cellulose - 2x4 - dense filled	House wrap or equivalent on cold side of assembly. Work must meet SWS minimum standards	sqft.			
Cellulose - 2x6 - dense filled	House wrap or equivalent on cold side of assembly. Work must meet SWS minimum standards	sqft.			
2 Part Foam - 1 inch	To include all prep and clean up. Work must meet SWS minimum standards	sqft.			
2 Part Foam - 2.5 Inch	To include all prep and clean up. Work must meet SWS minimum standards	sqft.			
Insulation protective covering	Kneewall, wall, or floor. House wrap material or similar , Work must meet SWS standards	sqft.			
Dryer Venting	Dryer venting/Transition ducting		Labor	Material	Total L&M
Dryer vent - cap only	Installation of single damper style (no screen), sealed and rigidly attached	ea.			
Standard dryer vent complete	As short a run as practical of rigid sheet metal or semi-rigid sheet metal venting material will be used in accordance with manufacturer specifications, clamped, sealed, supported, flapper hood.	ea.			
Dryer vent greater than 8ft.	Additional ducting greater than 8 feet per foot price	lft.			
Distribution Ducting	Duct sealing/insulation		Labor	Material	Total L&M
Sealing of gaps and joints all duct types	To include all prep and clean up. Work must meet SWS minimum standards	lnft.			
Filter Slot Cover	Magnetic or Sheet metal field tin knocked. Work must meet SWS minimum standards	ea.			
Furnace filter	removal of existing, installation of new properly sized	ea.			
Register covers	remove existing, install new properly sized and rigidly attached, Must meet SWS standards	ea.			
Insulation of ducting r-8	Work must meet SWS standards.	sqft.			

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
Windows	Window installation/sealing		Labor	Material	Total L&M
Window sealing	Air sealing as needed (caulking and closures/hardware) per window price, Work must meet SWS standards	ea.			
Installation of storm windows	includes removal of existing, surface prep and, weather sealing. Work must meet SWS standards	sqft.			
Installation of new vinyl replacement windows	Low E - Energy Star - Energy Code Compliant. Includes removal of existing, surface prep and, weather sealing. Work must meet SWS standards	sqft.			
Window Stops	removal of existing and installation of new, exterior grade	ea.			
Trims -casing, base, jamb, extension, etc.	removal of existing if needed, installation of new, caulked and sealed, sealed if exterior or exterior grade	lft.			
Sash locks	Removal of existing, install new cam action, nylon shims, rigidly attached	ea.			
Glass replacement	removal of existing, install new pane, glaze, points, caulk, Must meet SWS standards	sqin.			
Reglazing	includes removal/reinstall of storms if present, remove existing, install new points, glaze, Work must meet SWS standards	lft.			
Pulley Covers	install set of pulley covers over pulleys, attach and seal properly, Work must meet SWS standards	set			
Doors	Door installation/sealing				
Door exterior - Metal door	removal of existing unit, remove and re-install storm doors, installation of needed trims/jambs/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards	ea.			
Weather-strip door	installation of flap style weather-strip, screws 1.5" from all ends, caulked at seams and jamb, Work must meet SWS standards	ea.			
Door Sweep	flap style or track style sweep, Screws 1.5" from all ends. Caulked at seams, Work must meet SWS standards	ea.			
Door threshold	including bump style, mechanically fastened , caulked. Work must meet SWS standards	ea.			
Lockset	removal of existing, includes mod kit, strike accessories, all proper adjustments, exterior grade	ea.			
Trims -casing, base, jamb, extension, etc.	removal of existing if needed, installation of new, caulked and sealed, sealed if exterior or exterior grade	lft.			
Lighting retrofits	Lighting - LED Upgrades		Labor	Material	Total L&M
LED bulbs- standard	Work must meet SWS standards	ea.			
LED bulbs - specialty	Work must meet SWS standards	ea.			
Recessed/Can Light Retrofit	Work must meet SWS standards	ea.			
Baseloads	Baseload Upgrades		Labor	Material	Total L&M
Faucet aerator	Work must meet SWS standards	ea.			

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
low flow shower head	Work must meet SWS standards	ea.			
Pipe Insulation	Work must meet SWS standards	lnft.			
DHW tank Insulation	Work must meet SWS standards	ea.			
Bath/kitchen fan	Appliance Venting		Labor	Material	Total L&M
Ducting only	Installation of R8 insulated ducting materials and proper roof or gable end termination. Work must meet SWS minimum standards.	ea.			
Install new bath fan - Non ASHRAE	Install new bath fan properly sized, Energy Star Rated, installation of R8 insulated ducting materials and proper termination. Work must meet SWS, and Michigan Field Guide minimum standards.	ea.			
Install new kitchen range hood - Non ASHRAE	install new range hood properly sized, Energy Star Rated ,installation of ducting to code with R8 Insulation and proper termination. Work must meet SWS, and Michigan Field Guide Minimum standards.	ea.			
Miscellaneous			Labor	Material	Total L&M
Caulk	Tooled, clean appearance, Work must meet SWS standards	lft.			
Foam sealant	Work must meet SWS, and Michigan Field Guide Minimum standards.	can			
Drywall repair - all areas	Wall/ceiling, installation of proper thickness drywall, framing/nailers, glued/screwed, taped and mudded seams, Work must meet SWS standards	sqft.			
Tape and mud joints	tape and mud joints in existing drywall or like surfaces, Work must meet SWS standards	lft.			
Seal framing bypasses	seal bypasses in framing/building assembly transitions - Ballon, roof rafter, slopes, kneewall, Obj, wall tops/bottoms. Work must meet SWS standards	lft.			
Labor charge	Miscellaneous labor per hour	hrly			
Blower Door directed air sealing	Set up of blower door and search and seal of infiltration per hour	hrly			
H&S					
PRV/drop leg	Temperature and pressure relief valve discharge tube will be installed in accordance with IRC	ea.			
Sump pit cover	Factory or field assembled sump cover sealed to 100% (or as close as is reasonably possible)	ea.			
Smoke alarms	install battery operated smoke alarms in accordance with manufacturer specifications 10 year sealed	ea.			
CO alarms	install battery operated in accordance with manufacturer specifications 10 year sealed	ea.			
Smoke/Carbon Monoxide Detector Combo	install battery operated in accordance with manufacturer specifications 10 year sealed				
LSW					

Measure	To include:	Unit	Labor Cost	Material Cost	Total L&M Cost
LSW/ RRP Interim Control	Includes all tape, trash bags, visqueen, coveralls, masks, labor, recordkeeping, and pictures per linear foot of wall to be disturbed	lft.			
Pressure relief	Room pressure balancing				
Grills	Door, floor, or wall grill to specified size to adequately elevate pressure issue	ea.			
Door Undercut	Cut to specification to adequately elevate pressure issue	ea.			
Door Tamarack	Adequately elevate pressure issue	ea.			
Combustion Air Grills - High & Low	Combustion air relief. High & Low or as prescribed by auditor	ea.			
Damper Supplies	Adequately elevate pressure issue	ea.			
Gutters	Gutters and Downspouts				
Gutters	Includes appropriate fasteners, transitions and sealing at seems	lft.			
Downspouts	Includes appropriate fasteners, transitions, strapping and hardware	lft.			
Extension	Extend gutter downspout terminations away from foundation. Includes appropriate fasteners, transitions, strapping and hardware	ea.			

MHEA Measures - Weatherization

Measure	To include:	Unit			
Wall insulation	Wall Insulation		Labor	Materials	Total L&M
Blown fiberglass-2x4 and 2x6	sealing of all bypasses , sealing of all installation accesses, tube method, Work must meet SWS standards	bag			
Floor insulation	Floor Insulation		Labor	Labor	Total L&M
Blown in fiberglass	sealing of all accessible bypasses, proper sealing of access areas for installation. includes swag belly and wings. Work must meet SWS standards	bag			
Attic insulation	Attic Insulation		Labor	Materials	Total L&M
Blown in fiberglass	sealing of all bypasses, reinforce weak areas in ceiling. Work must meet SWS standards	bag			
Belly Repair	MH Belly Repair		Labor	Materials	Total L&M
Soft bottom patching	Belly membrane, house wrap, or like material, tape or seal all joints, Work must meet SWS standards	sqft.			
Rigid bottom patching	Fiberboard, rigid foam, or like material , tape or seal all joints, Work must meet SWS standards	sqft.			
Fiberglass Batts r-19 and bottom patching	Fiberglass Batts and belly membrane materials or like, tape or seal joints, Work must meet SWS standards	sqft.			
Duct sealing	Duct Sealing		Labor	Materials	Total L&M
Seal register boots	seal using approved tape and mastic seal register boots, includes at subfloor, Must meet SWS standards	ea.			
Seal trunk line ends	Seal using approved materials, tape and mastic seal trunk ends. Must meet SWS standards	ea.			
Register covers	Remove existing, install new properly sized. Must meet SWS standards	ea.			
Seal branch ducts - Access from under MH	Locate and access branch duct within belly. Seal using approved materials, tape and mastic	ea.			
Seal furnace to trunk line connection - Access from Interior	access furnace connection through AC cabinet at furnace. Seal using approved materials, tape and mastic				
Seal furnace to trunk line connection - Access from under MH	Locate and access furnace connection within belly. Seal using approved materials, tape and mastic				
Windows	Window replacement		Labor	Materials	Total L&M
Installation of new vinyl replacement window	removal of existing unit, installation of needed trims/jambs/stops, surface prep, proper flashing and sealing Work must meet SWS standards	sqft.			
Single pane MH prime window	removal of existing unit, installation of needed trims/jambs/stops, surface prep, proper flashing and sealing, , Work must meet SWS standards	sqft			
Single pane MH storm window	removal of existing unit, installation of needed trims/jambs/stops, surface prep, proper flashing and sealing, Work must meet SWS standards	sqft			
Doors	Door replacement		Labor	Materials	Total L&M
Replace combo door	removal of existing unit, remove and re-install storm doors, trims/jambs/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards	ea.			

Replace standard MH door	removal of existing unit, remove and re-install storm doors, trims/jambs/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards	ea.			
Replace exterior water heater door	removal of existing unit, trims/jambs/stops, surface prep, proper sealing, Work must meet SWS standards	ea.			

NEAT/MHEA Measures - Mechanical

Measure	To include:	Unit	Labor	Material	Total L&M
Inspect and Estimate	Inspect needs of auditor specified appliance for repairs or replacement, Issue written analysis and itemized bid for addressing issues	job			$0.00
Clean and tune			Labor	Material	Total L&M
Natural gas/LP furnace	Check and address as needed: fuel supply control valve, burner and gas input, pilot light, draft inducer, thermocouple. Clean as needed: blower housing, motor ports, fire tubes, combustion chamber, cabinet, heat exchanger, burner. Perform as needed: install filter and/or slot cover, repair fan and limit controls, replace or adjust belts. Do combustion analysis and provide results. Work must meet SWS standards	job			
Oil furnace	Check and address as needed: electrode setting, tank, oil pump pressure, barometric damper. Clean as needed: cabinet, blower housing,motor. Replace as needed: air filter, nozzle. Perform smoke test. Do combustion analysis and provide results. Work must meet SWS standards	job			
Water heater	Check and address as needed: temperature pressure valve and thermocouple. Clean as needed: combustion chamber, burner port, fire tube. Do combustion analysis and provide results. Work must meet SWS standards	job			
Replacement of furnace			Labor	Material	Total L&M
96+% AFUE Natural gas/LP furnace (Site built)	Replacement unit must be AHRI certified, be multi position, have an ECM blower motor, aluminized steel primary heat exchanger with stainless steel tube/aluminum fin secondary heat exchanger with a 5/10 yr. warranty at minimum. All work to be done within specifications of products and governing codes. Furnaces to be sized properly via manual j. Include input/output of new. Price includes removal and disposal of existing. Work must meet SWS standards. Documentation must include warranty, copy of permit application, estimated final inspection date, and certificate of destruction for old furnace.	job			
94+% AFUE Natural gas/LP furnace (Mobile home)	Replacement unit must be AHRI certified, have a ECM blower motor, aluminized steel primary heat exchanger with stainless steel tube/aluminum fin secondary heat exchanger with a 5/10 yr. warranty at minimum. All work to be done within specifications of products and governing codes. Furnaces to be sized properly via manual j. Include input/output of new. Price includes removal and disposal of existing. Work must meet SWS standards. Documentation must include warranty, copy of permit application, estimated final inspection date, and certificate of destruction for old furnace.	job			
Replacement of water heater			Labor	Material	Total L&M
40 gal. electric unit	Removal and disposal of existing, complete installation of new, Installation to meet all product specifications and governing codes, all connections to be made to water and fuel lines. Work must meet SWS minimum standards. Documentation must include warranty, copy of permit application, estimated final inspection date.	job			
40 gal Natural gas/LP power vent unit	Removal and disposal of existing, complete installation of new, Installation to meet all product specifications and governing codes, all connections to be made to water and fuel lines. Work must meet SWS minimum standards. Documentation must include warranty, copy of permit application, estimated final inspection date.	job			

40 gal Natural gas/LP Mobile home unit	Removal and disposal of existing, complete installation of new, Installation to meet all product specifications and governing codes, all connections to be made to water and fuel lines. Work must meet SWS minimum standards. Documentation must include warranty, copy of permit application, estimated final inspection date.	job			
Chimney liners			Labor	Material	Total L&M
Single story	All work to be done within specifications of products and governing codes. Includes all connections and trims. Work must meet SWS minimum standards. Documentation must include copy of permit application and estimated final inspection date.	job			
Two story	All work to be done within specifications of products and governing codes. Includes all connections and trims. Work must meet SWS minimum standards. Documentation must include copy of permit application and estimated final inspection date.	job			
ASHRAE 62-2			Labor	Material	Total L&M
Bath exhaust fan	Installation to include all ducting and electrical necessary, Work must meet SWS standards	job			
Kitchen exhaust fan	Installation to include all ducting and electrical necessary, Work must meet SWS standards	job			
Inline Fan	Installation to include all ducting and electrical necessary, Work must meet SWS standards	job			
Smart Switch	Installation to include all ducting and electrical necessary, Work must meet SWS standards	job			
Thermostats			Labor	Material	Total L&M
Non - programmable	includes installation and connection, Work must meet SWS standards	job			
Programmable	includes installation and connection, client education, Work must meet SWS standards	job			
Distribution					
Furnace filter	removal of existing, installation of new properly sized	ea.			
Filter slot cover	Installation of magnetic or mechanical slot cover as needed	ea.			

HEP certified individuals price sheet

EA Inspection	BPI EA JTA		Amount
Fee to perform a comprehensive Field and at agency desktop Energy Audit	Audit procedures must be DOE/SOM/WAP approved	fee	
Fee to perform the comprehensive Field and a remote/home desktop Energy Audit	Audit procedures must be DOE/SOM/WAP approved	fee	
Deferred Inspection		fee	
In progress site visit		fee	
Hourly rate for misc. HEP work		rate	
QC Inspection	BPI QCI JTA		Amount
Fee to perform a comprehensive Quialty Control Field and at agency desktop Inspection	Insepection procedures must be DOE/SOM/WAP approved	fee	
Fee to perform a comprehensive Quialty Control Field and a remote/home desktop Inspection	Insepection procedures must be DOE/SOM/WAP approved	fee	
In progress site visit		fee	
Hourly rate for misc. HEP work		rate	