

NEAT Measures - Weatherization

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|--|--|-------|------------|---------------|----------------|
| open attic insulation | Attic Insulation - SWS 4.10 Series | | Labor | Material | Total L&M |
| Cellulose insulation - r-11 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-19 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-30 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-38 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Fiberglass insulation - r-11 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Fiberglass insulation - r-19 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Fiberglass insulation - r-30 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Fiberglass insulation - r-38 - open blow | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Batt Insulation - r-11 | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Batt Insulation - r-19 | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Batt Insulation - r-30 | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Batt Insulation - r-38 | sealing and flagging Junction boxes and corresponding penetrations, barriers for heat producing devices as needed, Work must meet SWS standards | sqft. | | | |
| Floored attic insulation | Attic Insulation - SWS 4.100 Series | | Labor | Material | Total L&M |
| Blown cellulose r-11 | seal all bypasses, insulate areas below floor "deck" by removing flooring and reinstalling preferred, hole/tube acceptable, Work must meet SWS standards | sqft. | | | |
| Blown cellulose r-19 | seal all bypasses, insulate areas below floor "deck" by removing flooring and reinstalling preferred, hole/tube acceptable, Work must meet SWS standards | sqft. | | | |
| Blown cellulose r-25 | seal all bypasses, insulate areas below floor "deck" by removing flooring and reinstalling preferred, hole/tube acceptable, Work must meet SWS standards | sqft. | | | |
| Blown cellulose r-30 | seal all bypasses, insulate areas below floor "deck" by removing flooring and reinstalling preferred, hole/tube acceptable, Work must meet SWS standards | sqft. | | | |
| Blown cellulose r-38 | seal all bypasses, insulate areas below floor "deck" by removing flooring and reinstalling preferred, hole/tube acceptable, Work must meet SWS standards | sqft. | | | |
| Fill ceiling cavities - dense fill only | Dense Fill Attic Insulation - SWS 4.10 Series | | Labor | Material | Total L&M |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|--|---|-------|--------------|-----------------|----------------------|
| Cellulose insulation - r-11 - dense fill | sealing of all bypasses, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-19 - dense fill | sealing of all bypasses, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-25 - dense fill | sealing of all bypasses, Work must meet SWS standards | sqft. | | | |
| Cellulose insulation - r-30- dense fill | sealing of all bypasses, Work must meet SWS standards | sqft. | | | |
| Sill box insulation | Band -Rim Joist - SWS 4.14 Series | | Labor | Material | Total L&M |
| Add 1 Inch 2 Part Foam And R13 Batt | 1 Inch Spray foam to seal rim joist with R13 Unfaced batts. To include all prep and clean up. Work must meet SWS standards | sqft. | | | |
| Add 2.5 Inch 2 part Foam only | 2.5 Inch Spray foam to seal and insulate rim joist. To include all prep and clean up. Work must meet SWS standards | sqft. | | | |
| Perimeter Insulation | Foundation - Perimeter Insulation - SWS 4.14 Series | | Labor | Material | Total L&M |
| Rigid foam board r-12 - flat wall only | sealing of bypasses, vapor barrier (no less than 6mil), mechanically fastened, adhered with proper adhesive, sealed with tape at joints, installed from bottom of floor joist and includes 2 ft. return, Work must meet SWS standards | sqft. | | | |
| R-13 fiberglass batts - Faced | sealing of bypasses, vapor barrier (no less than 6 mil), 2' return, proper adhesive at joints,, Work must meet SWS standards | sqft. | | | |
| R-19 fiberglass batts - Faced | sealing of bypasses, vapor barrier (no less than 6 mil) , 2' return to center of room on floor, proper adhesive at joints, ground moisture barrier , Work must meet SWS standards | sqft. | | | |
| 2 Part Foam skim coat - less then 1 inch | Spray foam to air seal only, To include all prep and clean up. Work must meet SWS minimum standards | | | | |
| 2 Part Foam - 2.5 Inch | 2.5 Inch Spray foam to seal and insulate . To include all prep and clean up. Work must meet SWS minimum standards | sqft. | | | |
| Mineral Wool or Ecocell panels R10 | ASTM-C665-06 Mineral Wool or Ecocell mechanically fastened, adhered with proper adhesive, proper sealant to seal at windows and doors, to be installed from bottom of floor joist to the floor Work must meet SWS, and Michigan Field | sqft. | | | |
| Floor Insulation | Floor Insulation - SWS 4.13 Series | | Labor | Material | Total L&M |
| Fiberglass batt - r-11 | sealing bypasses, properly attached and supported, properly cut and installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Fiberglass batt - r-19 | sealing bypasses, properly attached and supported, properly cut and installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Fiberglass batt - r-25 | sealing bypasses, properly attached and supported, properly cut and installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Fiberglass batt - r-30 | sealing bypasses, properly attached and supported, properly cut and installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Rigid foam board - r-12 | sealing bypasses, properly attached and supported, properly cut and installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Cellulose r-11 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|-----------------------------------|--|-------|--------------|-----------------|----------------------|
| Blown Fiberglass r-11 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Spray Foam r-11 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Cellulose r-19 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Fiberglass r-19 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Spray Foam r-19 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Cellulose r-25 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Fiberglass r-25 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| Blown Cellulose r-30 | sealing bypasses, properly attached and supported, properly installed around plumbing, mechanical, electrical, gas, etc., Work must meet SWS minimum standards | sqft. | | | |
| | | | | | |
| Wall Insulation - | Wall Insulation - SWS 4.11 Series | | Labor | Material | Total L&M |
| Cellulose - 2x4 - dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Cellulose - 2x6 - dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Open wall fiberglass batts - r-13 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Open wall fiberglass batts - r-19 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Fiberglass- 2x4 dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Fiberglass-2x6- dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Spray/Injection Foam 2x4 -Filled | sealing of all bypasses including balloon framing, sealing of all installation access points, Installation Method must meet SWS standards | sqft. | | | |
| Spray/Injection Foam 2x6 Filled | sealing of all bypasses including balloon framing, sealing of all installation access points, Installation Method must meet SWS standards , | sqft. | | | |
| Kneewall Insulation | Wall Insulation - SWS 4.11 Series | | Labor | Material | Total L&M |
| Fiberglass batts - r-13 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|---|--|-------|--------------|-----------------|----------------------|
| Fiberglass batts - r-19 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Cellulose - 2x4 - dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Cellulose - 2x6 - dense filled | sealing of all bypasses including balloon framing, sealing of all access points. Installation method, insulation equipment PSI, and Lbs. per Sqft. installed must meet SWS standards | sqft. | | | |
| Foam board rigid - r-12 | sealing of all bypasses, proper support and attachment, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Spray/Injection Foam 2x4 -Filled | sealing of all bypasses including balloon framing, sealing of all installation access points, Installation Method must meet SWS standards | sqft. | | | |
| Spray/Injection foam 2x6- Filled | sealing of all bypasses including balloon framing, sealing of all installation access points, Installation Method must meet SWS standards | sqft. | | | |
| | | | | | |
| Duct Sealing | Duct Sealing - SWS 3.16 Series | | Labor | Material | Total L&M |
| Sealing of gaps and joints all duct types | Using mastic ducts are to be sealed to promote proper distribution, fiberglass mesh backer shall be used to support mastic, include preparation,Work must meet SWS standards. | Inft. | | | |
| Duct Insulation | Duct Insulation - SWS 4.16 Series | | Labor | Material | Total L&M |
| Insulation of ducting r-8 | Using mastic ducts are to be sealed to promote proper distribution, fiberglass mesh tape backer shall be used to support mastic, include preparation,Work must meet SWS standards. | sqft. | | | |
| Window sealing | Air Sealing - SWS 3.10 Series | | Labor | Material | Total L&M |
| Window sealing | Air sealing as needed per window price, Work must meet SWS standards | ea. | | | |
| Storm Windows | | | Labor | Material | Total L&M |
| Installation of storm windows | includes sealing of bypasses, installation of stops/trims, includes removal of any existing and installation surface prep, sealing of installation, Work must meet SWS standards | sqft. | | | |

| | | | | | |
|---|--|-------|--------------|-----------------|----------------------|
| Window replacement | Air Sealing - SWS 3.10 Series | | Labor | Material | Total L&M |
| Installation of new vinyl replacement window* | removal of existing unit, sealing of bypasses, installation of needed trims/jamb/stops, surface prep, proper sealing, Work must meet SWS standards | sqft. | | | |
| Installation of new Loe vinyl replacement window* | removal of existing unit, sealing of bypasses, installation of needed trims/jamb/stops, surface prep, proper sealing, Work must meet SWS standards | sqft. | | | |
| *windows to be energy star rated | | | | | |
| Lighting retrofits | Lighting - SWS 7.80 Series | | Labor | Material | Total L&M |
| Installation of properly sized LED bulb - 13w,18w,23w | Work must meet SWS standards | ea. | | | |
| LED specialty bulbs | Work must meet SWS standards | ea. | | | |

Additional Measures

| | | | | | |
|----------------------|---|--|--------------|-----------------|----------------------|
| Attic venting | Attic Insulation - SWS 4.10 Series | | Labor | Material | Total L&M |
|----------------------|---|--|--------------|-----------------|----------------------|

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|--------------------------------------|---|-------|--------------|-----------------|----------------------|
| Roof can | installation and sealing of installation of roof can, Work must meet SWS standards | ea. | | | |
| 14"x14" gable vent or smaller | to include cut in, nailers/framing/trims, installation sealing, Work must meet SWS standards | ea. | | | |
| 14"x14" gable vent or larger | to include cut in, nailers/framing/trims, installation sealing, Work must meet SWS standards | ea. | | | |
| Soffit vent with baffles | to include cut in, nailers/framing/trims, installation sealing, Work must meet SWS standards | ea. | | | |
| Baffles only | proper sizing and top plate insulation/installation, Work must meet minimum standards | ea. | | | |
| Ridge vent | to include cut in, nailers/framing/trims, installation sealing, Work must meet SWS standards | lft. | | | |
| Attic access | Attic Insulation - SWS 4.10 Series | | Labor | Material | Total L&M |
| Attic access door treatment | seal all bypasses, insulate to equal r-value or attic, handle, w/s, barrier around access (specific to situation), Work must meet SWS standards | ea. | | | |
| Install new access | seal all bypasses, needed trims/stops/framing, plywood door, handle, w/s, insulate to equal r-value of attic, barrier around access (specific to situation), Work must meet SWS standards | ea. | | | |
| Kneewall access | seal all bypasses, needed trims/stops/framing, plywood door, handle, hardware, w/s, insulate to equal r-value of attic, barrier around access (specific to situation), Work must meet SWS standards | ea. | | | |
| Walkin attic access treatment | seal all bypasses, needed trims/stops/framing, plywood door, handle, hardware, w/s, insulate to equal r-value of attic, barrier around access (specific to situation), Work must meet SWS standards | ea. | | | |
| Pull Down Stair treatment | seal all bypasses, needed trims/stops/framing, plywood door, handle, hardware, w/s, insulate to equal r-value of attic, barrier around access (specific to situation), Work must meet SWS standards | ea. | | | |
| Bath/kitchen fan | Appliance Venting - SWS 6.60 Series | | Labor | Material | Total L&M |
| Ducting only | installation of ducting materials to code and proper roof or gable end termination, Insulate to R8. Work must meet SWS standards | ea. | | | |
| Install bath fan standard install | install new properly sized fan where old fan exists, use ducting materials to code and proper roof or gable end termination, Insulate to R8. Work must meet SWS standards | ea. | | | |
| Kitchen fan | install new properly sized fan where old fan exists, use ducting materials to code and proper roof or gable end termination, Insulate to R8. Work must meet SWS standards | ea. | | | |
| Floor Insulation/Covering | Floor Insulation - SWS 4.13 Series | | Labor | Material | Total L&M |
| Floor insulation protective covering | use of house wrap material or like, tape seal joints with house wrap tape, Work must meet SWS standards | sqft. | | | |
| Crawl space access | crawl spaces - 3.14 Series | | Labor | Material | Total L&M |
| Crawl space access new | seal all bypasses, needed trims/stops/framing, 3/4" treated plywood door, handle, hardware, w/s, insulation to equal r-value of floor/box sill insulation, 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. | | | |
| | | | | | |
| Major Bypass/Infiltration | Air Seal - SWS 3.10 Series | | Labor | Material | Total L&M |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|-------------------------------|--|-------|------------|---------------|----------------|
| Weather-strip door | installation of flap style weather-strip (no substitute unless agency approved) screws 1" from all ends, caulked at seams and jamb, Work must meet SWS standards | ea. | | | |
| Door Sweep | flap style or track style sweep, Screws 1" from all ends. Caulked at seams, Work must meet SWS standards | ea. | | | |
| Door threshold | including bump style, fastened to specification, caulked at all joints to seal from elements, Work must meet SWS standards | ea. | | | |
| Caulk | remove old apply new, joint tooled, clean appearance, Work must meet SWS standards | lft. | | | |
| Glass replacement | removal of existing, install new pane, glaze, points, caulk, Must meet SWS standards | sqin. | | | |
| Deglazing | 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 | | | |
| Door exterior - Solid core | removal of existing unit, remove and re-install storm doors, sealing of bypasses, installation of needed trims/jamb/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards | ea. | | | |
| Door exterior - Metal door | removal of existing unit, remove and re-install storm doors, sealing of bypasses, installation of needed trims/jamb/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards | ea. | | | |
| 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 balloon/framing bypasses | seal bypasses in framing using foam and backer, Work must meet SWS standards | lft. | | | |
| Duct sealing | Duct Seal - SWS 3.16 Series | | | | |
| Tape and Mastic | using astm rated tape and mastic seal register boots, includes at subfloor (allow to dry before installing diffusers), Must meet SWS minimum standards | lft. | | | |
| Register covers | remove existing, install new properly sized and rigidly attached, Must meet SWS standards | ea. | | | |
| Other | Works must meet SWS standards | | | | |
| Lockset | removal of existing, includes mod kit, strike accessories, all proper adjustments, exterior grade | ea. | | | |
| Basement window close off | install exterior treated ply., insulate, seal exterior, seal interior, seal all bypasses | ea. | | | |
| Sash locks | Removal of existing, install new cam action, nylon shims, rigidly attached | ea. | | | |
| Close off fireplace | Temp stuff and seal, pillowed f/g bag, string with warning flag | ea. | | | |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|--|---|------|------------|---------------|----------------|
| Foam sealant | fire rated installed as called for | can | | | |
| Flue collars | Fire rated to seal gaps at flue penetrations | ea. | | | |
| 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. | | | |
| Water diverters - windows, doors | removal of existing, installation of new properly fastened and sealed | ea. | | | |
| Pipe insulation | install in areas called for, properly attached and secured | lft. | | | |
| PRV/drop leg | Temperature and pressure relief valve discharge tube will be installed in accordance with IRC | ea. | | | |
| Lockset | removal of existing, includes mod kit, strike accessories, all proper adjustments, exterior grade | ea. | | | |
| Basement window close off | install exterior treated ply., insulate, seal exterior, seal interior, seal all bypasses | ea. | | | |
| Sash locks | Removal of existing, install new cam action, shim, rigidly attached | ea. | | | |
| Foam sealant | fire rated where needed | can | | | |
| Flue collars | Fire rated to seal gaps at flue penetrations | ea. | | | |
| Window Stops | removal of existing and installation of new, exterior grade | ea. | | | |
| Smoke alarms | install battery operated smoke alarms in accordance with manufacturer specifications | ea. | | | |
| CO alarms | install battery operated in accordance with the <i>ASHRAE</i> 62.2 and manufacturer specifications as required by the authority having jurisdiction | ea. | | | |
| Blower Door directed air sealing | Set up of blower door and search and seal of infiltration per hour | hrly | | | |
| Labor charge | miscellaneous labor per hour | hrly | | | |
| Dryer vent - cap only | installation of single damper style (no screen), seals 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. | | | |

| Measure | To include: | Unit | Labor Cost | Material Cost | Total L&M Cost |
|------------------------------|---|------|------------|---------------|----------------|
| Dryer vent greater than 8ft. | additional ducting per foot price | lft. | | | |
| Furnace filter | removal of existing, installation of new properly sized | ea. | | | |
| Filter slot cover | Installation of magnetic or mechanical slot cover as needed | ea. | | | |

MHEA Measures - Weatherization

| Measure | To include: | Unit | | | |
|--|---|--------|-------|-----------|-----------|
| Wall insulation - open cavity | Wall Ins. - SWS 4.11 Series | | Labor | Materials | Total L&M |
| Open wall fiberglass batts - r-13 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Open wall fiberglass batts - r-19 | sealing of all bypasses, proper support and attachment, proper vapor barrier, proper installation around elec.,plbg.,mech.,etc., Work must meet SWS standards | sqft. | | | |
| Wall insulation-Dense fill | Wall Ins. - SWS 4.11 Series | | 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 fiberglass - loose fill | Floor Insulation - SWS 4.13 Series | | Labor | Labor | Labor |
| Installation of loose fiberglass in swag belly and wings | sealing of all accessible bypasses, proper sealing of access areas for installation, proper installation around elec.,plbg.,mech., etc., Work must meet SWS standards | bag | | | |
| Fiberglass Batt's r-19 | sealing of all accessible bypasses, proper sealing of access areas for installation, proper installation around elec.,plbg.,mech., etc., Work must meet SWS standards | Sq.ft. | | | |
| Fiberglass Batt's r-30 | sealing of all accessible bypasses, proper sealing of access areas for installation, proper installation around elec.,plbg.,mech., etc., Work must meet SWS standards | Sq.ft. | | | |
| Roof insulation - blown fiberglass | Attic Insulation - SWS 4.10 Series | | Labor | Materials | Total L&M |
| blown in fiberglass insulation in mobile home ceiling | sealing of all bypasses, reinforce weak areas in ceiling. Work must meet SWS standards | bag | | | |
| Floor Insulation/Covering | Floor Insulation - SWS 4.13 Series | | Labor | Materials | Total L&M |
| Floor insulation protective covering only | use of belly membrane material or like, tape or seal all joints, Work must meet SWS standards | sqft. | | | |
| Floor insulation protective covering and insulation | Fiberglass Batt's and belly membrane materials or like, tape or seal joints, Work must meet SWS standards | sqft. | | | |
| Duct sealing | Duct Seal - SWS 3.16 Series | | Labor | Materials | Total L&M |
| Tape and Mastic register boots | using approved tape and mastic seal register boots, includes at subfloor, Must meet SWS standards | ea. | | | |
| Register covers | remove existing, install new properly sized and rigidly attached, Must meet SWS standards | ea. | | | |
| Window Sealing | Air Sealing - SWS 3.10 Series | | Labor | Materials | Total L&M |
| Window sealing | Air sealing as needed per window price, Work must meet standards | ea. | | | |
| Replacement window single pane | Air Sealing - SWS 3.10 Series | | Labor | Materials | Total L&M |
| Standard mobile home window (aluminum frame) | removal of existing unit, sealing of bypasses, installation of needed trims/jamb's/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards | ui. | | | |

| | | | | | |
|---|---|-------|--------------|------------------|----------------------|
| Installation of new vinyl replacement window* | removal of existing unit, sealing of bypasses, installation of needed trims/jambs/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards | ui. | | | |
| Installation of new Loe vinyl replacement window* | removal of existing unit, sealing of bypasses, installation of needed trims/jambs/stops, surface prep, proper sealing, includes locksets, Work must meet SWS standards | ui. | | | |
| *windows to be energy star rated | | | | | |
| Glass Storm Window - Self Storing | Air Sealing - SWS 3.10 Series | | Labor | Materials | Total L&M |
| For single pane sliding prime window | includes sealing of bypasses, installation of stops/trims, includes removal of any existing, surface prep, sealing, Work must meet SWS standards | sq.ft | | | |
| To accomodate crank out exterior windows | includes sealing of bypasses, installation of stops/trims, includes removal of any existing, surface prep, sealing , Work must meet SWS standards | sq.ft | | | |
| Plastic storm window replacement for crank out | includes sealing of bypasses, installation of stops/trims, includes removal of any existing, surface prep, sealing , to accommodate exterior crank out Work must meet SWS standards | sq.ft | | | |
| | | | | | |
| Door replacement - | Air Sealing - SWS 3.10 Series | | Labor | Materials | Total L&M |
| Replace Door with combo | 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 Door with standard moho 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. | | | |
| Installation of water heater door | removal of existing unit, trims/jambs/stops, surface prep, proper sealing, Work must meet SWS standards | ea. | | | |
| | | | | | |
| Lighting retrofits | Lighting - SWS 7.80 Series | | Labor | Materials | Total L&M |
| Installation of properly sized LED bulb - 13w,18w,23w | Price is for Bulb installed. Work must meet SWS minimum standards | ea. | | | |
| Specialty LED base or bulb | Price is for Bulb installed. Work must meet SWS minimum 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 |
| Clean and tune | SWS 5.30 & 7.80 Series | | 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 | SWS 5.30 Series | | 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 | SWS 7.80 Series | | 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 | SWS 2.02 Series | | 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 | SWS 6.60 Series | | 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 | | | |
| Furnace Retrofit | Installation to include all ducting and electrical necessary, Work must meet SWS standards | job | | | |
| | | | | | |
| Thermostats | SWS 5.30 Series | | 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 | | | |