

Appendix: Current and New H&S Measures

| Health & Safety Item | Metric Measurement | Item H&S Description | Current H&S Measure | New H&S Measure |
|--|--------------------|---|---------------------|-----------------|
| HVAC System Repair & Replacement | - | Un-safe operating condition or non-working system | - | - |
| Minor Repair of primary heating source | Each | Restore heat and/or correct un-safe condition with heating system | Y | N |
| Major Repair of primary heating source | Each | Restore heat and/or correct un-safe condition with heating system | Y | N |
| Service Calls & diagnostics | Each | Directly related to line items 3-9. First step in correction of many H&S related concerns such as, but not limited to: no heat, a/c related water damage to furnace or surrounding area, spillage, water heater issues, thermostat issues, gas leaks, & carbon monoxide concerns. | N | Y |
| Related central air conditioner repair | Each | Directly relates to the heating system not working properly or water damage to the connected heating system and/or surrounding area, or line set leak. | N | Y |
| <ul style="list-style-type: none"> Clean indoor evaporator coil | Each | Directly relates to the heating system not working properly or water damage to the connected heating system and/or surrounding area. | N | Y |
| <ul style="list-style-type: none"> Replace indoor evaporator coil | Each | Directly relates to the heating system not working properly or water damage to the connected heating system and/or surrounding area. | N | Y |
| <ul style="list-style-type: none"> Condensate Pump (Plus related items) | Each | Correct or prevent water damage issues resulting from improper condensate removal. | N | Y |
| Disclaimer Related | - | | - | - |
| Bulk Moisture - leads to many issues including but not limited to: mold, degradation of building materials, & IAQ concerns. | | | | |
| Vapor Barrier | Square foot | Prevent communication of ground moisture into building envelope and/or onto building components. | Y | N |

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|--|----------------------|--|---|---|
| Sump pump repair or replacement | Each | Correct or prevent water accumulation within the building envelope. | N | Y |
| New sump system installation (Pit, trenching, & drainage tile) | Each/Per Square Foot | Correct or prevent water accumulation within the building envelope. | N | Y |
| Crawlspace dig out - create enough height for accessibility | Each | When necessary for vapor barrier installation & potentially other measures to be completed within the crawlspace. | N | Y |
| Horizontal guttering | Linear Foot | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. | N | Y |
| Gutter accessories (downspout & extensions) | Linear Foot | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. | N | Y |
| Exterior water management | Case by Case | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. | N | Y |
| Roofing, Siding, other minor exterior work to prevent water from entering building | Case by Case | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. | N | Y |
| Drain clearing (typically floor) | Each | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. Sewer back-ups present other H&S related concerns as well. | N | Y |
| Minor plumbing repair | Each | Correct or prevent water accumulation within the building envelope. Correct and/or prevent water related damage to building components. | N | Y |
| Water heater repair | Each/ Case by Case | Correct and/or prevent water related damage to building components. | N | Y |
| Water heater replacement | Each/ Case by Case | Correct and/or prevent water related damage to building components. Correct an un-safe operating condition or consider when the cost of the initial or multiple repairs are substantially close to replacement cost. | N | Y |
| Asbestos: Duct Wrap and Flue Pipe | | | | |
| Encapsulation and Enclosure (duct wrap) | Each (or each joint) | Address friable suspect asbestos that could be disturbed during the course of a project. Friable asbestos is known to cause respiratory issues and is a carcinogen. | N | Y |

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| Remediation | Each House | Remove/Replace wiring that can create a fire hazard if insulation is added around it. | N | Y |
| Repair from Damaging Incident | - | | - | - |
| Interior pressure boundary surface (ceilings, walls) repair | Per Square Foot | Unforeseen damage not attributable to the Program Ally or Program staff. Ensure a safe level of heating/cooling can be maintained. Prevent/stop moisture or pest entry. | N | Y |
| Removal/replacement of existing unfit (compromised) insulation | Per Square Foot/Case by Case | Alleviate potential indoor air quality concerns. Establish a safe environment for those entering spaces containing insulation that is damaged in some way, typically moisture or pest related. Maybe previous mold or fire damage. | N | Y |
| Combustion Safety and Fuel Distribution System | - | | - | - |
| Venting system repair & replacement | Each | Correct an un-safe operating condition. Ensure combustion appliance exhaust is properly vented outside. | N | Y |
| Draft assist & power venting kits | Each | Correct an un-safe operating condition. Ensure combustion appliance exhaust is properly vented outside. | Y | N |
| Service calls & diagnostics | Time | Correct an un-safe operating condition. Ensure combustion appliance exhaust is properly vented outside. | N | Y |
| Water heater repair/replacement | Each/Case by Case | Ensure combustion appliance exhaust is properly vented outside. Correct and/or prevent water related damage to building components. Correct an un-safe operating condition or consider when the cost of the initial or multiple repairs are substantially close to replacement cost. | Y | N |
| Work Intended to Reduce Depressurization / Correct backdrafting & Spillage / Resolve interior ambient CO concerns | | | | |
| Transfer/passive air grilles | Each | To alleviate pressure imbalance(s) associated with reducing depressurization to correct or prevent combustion appliance spillage or drafting concerns. Sized per NFPA 54. | Y | N |
| • Make up air | Each or Volume Required | Correct an un-safe operating condition. Ensure combustion appliance exhaust is properly vented outside. | Y | N |
| • Combustion air | Each | Correct an un-safe operating condition. Ensure combustion appliance exhaust is properly vented outside. | Y | N |
| Combustion safety testing (non project) | Each | Validate combustion safety. Address a related concern that develops post project or in the case of no project being eligible for another reason. | N | Y |

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| Gas leak repair | Each | Resolve customer health & safety related concerns attributable to acute or chronic exposure and potential ignition of gas. | Y | N |
| Appliance gas line replacement or removal and disposal | Each | Resolve customer health & safety related concerns attributable to acute or chronic exposure and potential ignition of gas. | Y | N |
| Gas line replacement or removal and disposal | Linear Foot | Resolve customer health & safety related concerns attributable to acute or chronic exposure and potential ignition of gas. | Y | N |
| Adding shut-off valves where none are existing | Each | Establish a way to shut off gas to individual appliances without shutting off gas to whole home when there is a gas leak in the home. | N | Y |
| Carbon monoxide alarms | Each | Provides assurance that customers will be alerted to hazardous CO levels on an on-going basis. | N | Y |
| Ventilation Related | | | | |
| Vent exhaust fan outside | Each | Remove moisture and indoor air contaminants from the home | Y | N |



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