

APPENDIX A – WAP UNDERTAKINGS EXEMPT FROM SECTION 106 REVIEW

All undertakings will be done in accordance with applicable local building codes or the International Building Code, where applicable. In accordance with 36 CFR 800.3(a)(1), the following undertakings have been determined to have no potential to cause effects on historic properties:

A. Exterior Work

- 1) Air sealing of the building shell, including caulking, weather-stripping, and other air infiltration control measures on windows and doors, and installing thresholds in a manner that does not harm or obscure historic windows or trim.
- 2) Replacement of double strength glass greater or less than 72 in. ft.
- 3) Thermal insulation, such as non-toxic fiberglass and foil wrapped, in walls, floors, ceilings, attics, and foundations in a manner that does not harm or damage historic fabric.
- 4) Blown in wall insulation where no holes are drilled through exterior siding, or where holes have no permanent visible alteration to the structure
- 5) Removable film on windows (if the film is transparent), solar screens, or window louvers, in a manner that does not harm or obscure historic windows or trim.
- 6) Reflective roof coating in a manner that closely resembles the historic materials and form, or with materials that restore the original feature based on historic evidence, and in a manner that does not alter the roofline, or where not on a primary roof elevation or visible from the public right-of-way.
- 7) Installation of storm windows and storm doors provided they conform to the shape and size of the historic windows and doors, and that the meeting rails of the storm windows coincide with that of the existing sash.
- 8) Repair of minor roof and wall leaks prior to insulating attics or walls, provided repairs closely resemble existing surface composite
- 9) Installation, replacement or repair of chimney caps and bird screens.
- 10) Installation of gable access not to exceed 5 sq. ft. on a secondary façade, not visible from the public right of way

B. Interior Work

Special Note: Undertakings to interior spaces where the work will not be visible from the public right of way; no structural alterations are made; no demolition of walls, ceilings or floors occurs; no drop ceilings are added; or no walls are leveled with furring or moved, should be automatically excluded from **SHPO** review. This work includes:

1. Energy efficiency work within the building shell:

- a. Thermal insulation in walls, floors, ceilings, attics, crawl spaces, ducts and foundations
- b. Blown in wall insulation where no decorative plaster is damaged.
- c. Plumbing work, including installation of water heaters

- d. Electrical work, including improving lamp efficiency, provided that decorative light fixtures 50 years of age or older are not replaced
- e. Sealing air leaks using weather stripping, door sweeps, and caulk and sealing major air leaks associated with bypasses, ducts, air conditioning units, etc.
- f. Repair or replace water heaters
- g. Adding adjustable speed drives such as fans on air handling units, cooling tower fans, and pumps
- h. Install insulation on water heater tanks and water heating pipes
- i. Install solar water heating systems, provided the structure is not visible from the public right of way
- j. Install waste heat recovery devices, including desuperheater water heaters, condensing heat exchangers, heat pump and water heating heat recovery systems, and other energy recovery equipment
- k. Repair or replace electric motors and motor controls like variable speed drives
- l. Incorporate other lighting technologies such as dimmable ballasts, day lighting controls, and occupant controlled dimming
- m. Install wood/metal bi-fold interior door to utility closet
- n. Install louvered interior door
- o. Minor repair to plaster or drywall not to exceed 6 sq. ft.

2. Work on heating and cooling systems:

- a. Clean, tune, repair or replace heating systems, including furnaces, oilers, heat pumps, vented space heaters, and wood stoves
- b. Clean, tune repair or replace cooling systems, including central air conditioners, window air conditioners, heat pumps, and evaporative coolers
- c. Install insulation or Mastic on ducts and heating pipes
- d. Conduct other efficiency improvements on heating and cooling systems, including replacing standing pilot lights with electronic ignition devices and installing vent dampers
- e. Modify duct and pipe systems so heating and cooling systems operate efficiently and effectively, including adding or replacing supply or return ducts, replace diffusers and registers, replace air filters, install thermostatic radiator controls on steam and hot water heating systems. Steps shall be taken to avoid creating new openings for replacement ducts wherever possible. Install programmable thermostats, outdoor reset controls, UL listed energy management systems or building automation systems and other HVAC control systems
- f. Install a/c brackets (pair)

3. Energy efficiency work affecting the electric base load of the property:

- a. Convert incandescent lighting to fluorescent, provided that decorative fixtures 50 years of age or older are not replaced
- b. Add reflectors, LED exist signs, efficient HID fixtures, and occupancy (motion) sensors
- c. Replace refrigerators and other appliances

4. Health and safety measures

- a. Installing fire, smoke or carbon dioxide detectors / alarms
- b. Repair or replace vent systems on fossil-fuel-fired heating systems and water heaters to ensure that combustion gasses draft safely to outside
- c. Install mechanical ventilation, in a manner not visible from the public right of way, to ensure adequate indoor air quality if house is air-sealed to building tightness limit
- d. Replacement of missing outlet or switch covers

5. Moisture Mitigation

- a. Sump pump installation or replacement
- b. Range hood repair or replacement and venting to the outside, including all necessary ducting with either flexible or rigid piping and wiring
- c. Bath fan repair or replacement and venting to the outside, including all necessary ducting with either flexible or rigid piping and wiring
- d. Bath fan/Light combo repair or replacement and venting to outside, including all necessary ducting with either flexible or rigid piping and wiring
- e. Installation or replacement of rigid or flexible dryer venting to the outside
- f. Installation of visqueen over bare earth in basements or crawl spaces. .
- g. Installation of continuous guttering with appropriate downspout