CONTRACTOR GUIDELINES FOR HEAR ELIGIBILITY

ENERGY & GREEN BUILDING

Sustainable Connections

Scope of Work

- Describe the scope of work for the installation of a heat pump HVAC system, heat pump water heater, induction stove, and/or other electrification upgrades (including removal/alteration of existing fossil fuel equipment) that meets the following requirements.
- Include warranty information for workmanship and materials in your proposal and note that all permits and compliance with state and local codes will be the responsibility of the contractor.

General Requirements

- All equipment must be ENERGY STAR or AHRI CEE certified
- All equipment that uses refrigerants must follow the statutory GWP limits from the WA State Department of Ecology and the EPA. Where technically and economically feasible, equipment must use low GWP refrigerants listed by the EPA's SNAP Program or CARB.
- Must install to comply with all federal, state, and local code requirements.

Eligible Equipment

- Appliances:
  - Electric air-source heat pumps for space conditioning
  - Electric heat pump water heaters
  - Induction cooking equipment
- Electric service necessary for the installation of eligible electric appliances:
  - Electric service and panel upgrades
  - Electric wiring, outlets, and meters
  - Limited structural, drywall, and insulation are eligible expenses if necessary for the installation of upgrade electric service equipment
- Fossil fuel equipment, including fossil fuel heat pumps or dual fuel systems, are ineligible.

Heat Pump HVAC System Requirements

- Existing heat pumps that are at least 10 years old may be replaced by eligible heat pumps.
- All air-source heat pumps must meet one of the following certifications:
  - Efficiency Certification: ENERGY STAR Certified or AHRI CEE Certified
- Additionally, split systems < 65,000 Btu/h must meet one of the following ratings:
  - Cold Climate Rating: NEEP ccASHP Version 4.0 or ENERGY STAR Cold Climate

In general, these certifications correspond to the following performance requirements:

Air Source Heat Pumps (≤ 65,000 Btu/h)				
Equipment Type	**SEER2**	**EER2**	**HSPF2**	**COP @ 5°F**
Ductless ASHP	≥ 15.2	≥ 9.0	≥ 8.5	≥ 1.75
Ducted ASHP	≥ 15.2	≥ 10.0	≥ 8.1	≥ 1.75
Packaged ASHP	≥ 15.2	≥ 10.0	≥ 8.1	≥ 1.75

Air Source Heat Pumps (> 65,000 Btu/h & ≤ 135,000 Btu/h)				
Equipment Type	**EER**	**IEER**	**COP @ 17°F**	**COP @ 47°F**
Ducted ASHP	≥ 11.6	≥ 15.1	≥ 2.4	≥ 3.5
Packaged ASHP	≥ 11.6	≥ 15.1	≥ 2.4	≥ 3.5

Limited duct sealing, insulation, and MEP are eligible expenses if necessary for the installation and operation of the heat pump. Thermostats may be eligible if they come as part of the heat pump equipment package.

Induction Stove Requirements

- All induction stoves must be ENERGY STAR certified.
- Integrated Annual Energy Consumption (E_{IAEC}) ≤ 125 kWh/year

Heat Pump Water Heater Requirements

- All heat pump hot water heaters must meet one of the following certifications:
  - Efficiency Certification: ENERGY STAR Certified or AHRI CEE Certified

In general, these certifications correspond to the following performance requirements:

Heat Pump Water Heaters	
Equipment Type	**UEF**
Integrated HPWH	≥ 3.30
Integrated HPWH (120V)	≥ 2.20
Split System HPWH	≥ 2.20

Limited plumbing and MEP are eligible expenses if necessary for the installation and operation of the heat pump water heater.

Necessary Electrical Upgrades

- Includes: electrical wiring, outlets, panels, and meters required for the installation and operation of eligible equipment
- Mechanical, Electrical, and Plumbing (MEP) necessary for the installation of eligible high-efficiency electric equipment.
  - Limited ductwork repair and replacement
  - Limited plumbing including piping, pumps, and fixtures
  - Limited drywall, insulation, and structural repair and replacement

INCLUDE THE FOLLOWING IN YOUR BID

TYPE

Indicate the type of high-efficiency electric equipment or appliance:

1. Heat pump HVAC system
2. Heat pump water heater
3. Induction cooking equipment (or electrical wiring for induction cooking equipment)

BRAND

Indicate the equipment manufacturer for all appliances used in the project

MODEL NUMBER

For heat pumps with an indoor and outdoor unit, you may enter two model numbers. For electrical service upgrade and wiring equipment, this information is not required.

EFFICIENCY RATING

Provide efficiency information for eligible high-efficiency electric equipment such as SEER2/ EER2/HSPF2, COP, or kWh/year. For induction cooking equipment, electrical service upgrade, and wiring equipment, this information is not required.

ENERGY EFFICIENCY CERTIFICATION

Indicate if the equipment meets either of the following certifications:

1. ENERGY STAR Certified
2. AHRI CEE Certified (for heat pumps and heat pump water heaters)

COLD CLIMATE CERTIFICATION

For heat pump HVAC systems, indicate if the equipment meets either of the following certifications:

1. Northeast Energy Efficiency Partnership (NEEP) ccASHP
2. ENERGY STAR Cold Climate Heat Pump designation

LOW GWP REFRIGERANTS

If the equipment or appliance uses refrigerant, indicate if it uses a low GWP refrigerant as listed by either of the following agencies:

1. EPA's Significant New Alternatives Policy Program
2. California Air Resources Board (CARB)

PERMITS

List any applicable building and/or electrical permit numbers.