# **ASHP/GSHP Project Submission**

Overview Section 5.10 of the Program Manual and Best Practices

**EmPower+ Participating Contractors** 

EmPower+ Program
August 23rd 2024



## **EmPower+ Heat Pump Requirements**

#### **Today's Webinar Agenda**

- 1. Heat Pump Installation Requirements Section 5.10 Overview
- 2. Project Eligibility Requirement
- 3. Project Documentation Requirements Pre-Installation
- 4. Project Documentation Requirements Post Installation
- 5. Project Considerations
- **6.** Additional Incentive Project Requirements
- 7. Best Practices Verifications Between NYHEP and Supportive Documentation



Heat Pump Installation Requirements can be found in section 5.10 of the Program Manual.

Section 5.10 Heat Pump Requirements- August 2024

Information in Section 5.10 includes:

- Customer Requirements
- Project Eligibility Requirements
- Air Source/Ground Source Project Documentation
- Pre-Installation Requirements (Workscope Submission)
- Post-Installation Requirements (Final Project Submission)
- Additional Incentive Project Requirements
- Building Envelope Standards
- Project Considerations
- Distribution System
- Heat Pump Water Heating
- Cooling

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*UPDATED* Section 5 - Operational Policies and Procedures
5.1 | Contractor Expectations → rev. 07.10.2023
5.2 | Contractor Certifications → rev. 06.26.2024
5.3 | Electronic Signature Policy → rev. 12.11.2023
5.5 | EmPower+ NY Pricing → rev. 05.22.2024
5.6 | Inflation Reduction Act HEAR → rev. 06.26.2024
5.7 | Not For Profit Guidance → rev. 07.10.2023
5.8 | Pellet Stove Guidelines → rev. 05.29.2024
5.9 | No Heat Guidelines → rev. 08.17.2023
5.10 | Heat Pump Requirements → rev. 08.21.2024
5.11 | Fossil Fuel Conversion Policy → rev. 05.29.2024
5.12 | Energy Pricing → rev. 02.21.2024
```

## Customer and Project Eligibility Requirements

#### **Customer Requirements**

To be eligible for incentives:

- The home must be a 1-4 family
- The residents/tenants for the home pay the utility bills including:
  - Electricity
  - Utility Natural Gas
  - Propane
  - Oil
  - Kerosene
  - Wood pellets
  - Wood or other Biomass

Customer and Project Eligibility Requirements (1 of 3)

### **Project Eligibility Requirements**

- Projects cannot receive both EmPower+ and NY Clean Heat Funding.
- Participating Contractors must inform the program if ANY additional funding is being utilized on the project.
- The home must meet the building envelope standards outlined in Table 1.
- The standards can be met either prior to the heat pump project or by the completion of the project.

#### Table 1

Area Required	Insulation Level			
1-4 Family Homes				
Attic Gable Walls	R-14			
Knee Walls	R-15			
Attic Roof Deck	R-28 or Fill to Capacity			
Attic Floors/Open Attic	R-38 Average¹ or Fill to Capacity			
Attic Slope Ceilings	R-38 or Fill to Capacity			
Attic Hatches	R-20			
Pull-Down Stairs	R-13			
Walls	R-14 or Fill to Capacity			
Rim Joist	R-14			
Air Tightness	7 ACH <sup>2</sup>			
	Mobile Homes			
Walls	R-6			
Attic	R-24			
Belly	R-21			
Air Tightness	7 ACH /12 ACH for mobile homes <sup>2</sup>			

<sup>&</sup>lt;sup>1</sup> Average insulation of total attic area- some areas might have less than R-38 if the total average of the combined attics is R-38.

Prior to the installation of heat pump heating equipment, the contractor must verify the home is tightened to at least 7 ACH for a 1-4 family home/12 ACH for a mobile home or below to ensure proper heating from heat pumps. If the contractor cannot perform a blower door test, they must use NYHEP to estimate the air leakage.

Customer and Project Eligibility Requirements (2 of 3)

#### **Project Eligibility Requirements**

- The existing primary HVAC system must be older than 5 years.
- Program funding is for the addition of heat pump technology to an existing home and not for updating or replacing existing heat pumps and heat pump water heaters.
- Heat pump systems shall be designed following the <u>NEEP Guide To Installing Air-Source Heat Pumps in Cold Climates.</u>



• This 4-page guide provides a list of minimum requirements, best practices, as well as homeowner education and system setup guidance, to help ensure efficient air-source heat pumps and happy customers in cold climates.

Customer and Project Eligibility Requirements (3 of 3)

#### **Project Eligibility Requirements**

- All projects with air source and ground source heat pumps must meet a 20% energy cost savings requirement. The
  savings will be calculated using the fuel usage and cost of the pre-existing heating fuels and electricity compared to
  the estimated electricity usage and cost for the home after the project is complete as calculated by the TRM
  calculations in NYHEP. If a project has less than 20% savings there will be a tertiary review process for possible
  approval.
- Contractors should include any extenuating circumstances such as health and safety in the project notes that will help with the tertiary review.
- The cost of the heat pump may include any the following system components:
  - Distribution system installation, modification, and repair
  - Controls and control systems
  - Racking, mounting, and shielding components necessary to meet code and manufacturer's installation requirements
  - · Line set insulation and conduit
  - Electrical upgrades to the service panel and/or other wiring repairs
    - These improvements necessary to install the heat pump may be included in the overall work scope but costs for these measures should be itemized separately from the heat pump system itself.

## Air Source/Ground Source Project Requirements

#### Air Source/Ground Source Heat Pump Project Requirements

- Participating Contractor must complete a Manual J or use ACCA approved sizing software or spreadsheet. Heat pump
  systems must be designed using the ACCA weather station closest to the project. Contractors shall provide a copy of
  the house drawings used to generate the Manual J calculation showing measurements used to generate room-byroom or Block load calculations including orientation and rough sizing of windows and doors. Software generated
  diagrams are acceptable.
- Participating Contractor shall refer to the <u>Residential Heating and Cooling Load Analysis Quality Control Checklist</u> as a
  best practice. At the end of the project, the Participating Contractor must attest on the <u>Heat Pump Form</u>, they followed
  this guidance for the heat pump installation.
- The proposed heat pump system must be designed sized to meet 100-110% of the building's heating load. The proposed heat pump system may include use of a supplemental heating source to reach 100% of the building heating load. Supplemental heat sources may be designed to provide up to 20% of peak heating load up to 5kw or equivalent supplemental.
- The existing whole house fossil fuel heating system (oil, propane, etc.) must be decommissioned. If equipment is left
  in the home, it must be rendered inoperable per the <u>Decommissioning Checklist</u>. Existing wood or wood pellet stoves
  and electric baseboards with heating capacity greater than 50% of the home's heating load may remain as
  supplemental heat

## Air Source/Ground Source Project Documentation

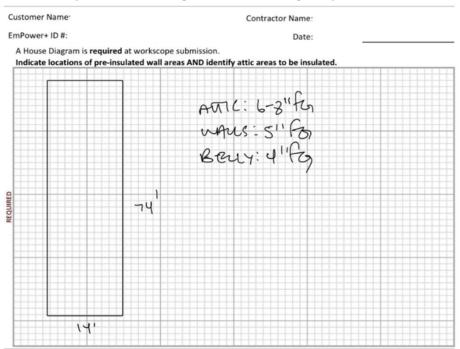
#### **Pre-Installation Requirements**

- Detailed summary page generated by approved ACCA Manual J sizing software or spreadsheet designed to the ACCA weather station closest to the project.
- House drawings that show rough measurements of windows, doors, walls either room-by-room or block drawings will be accepted.
- Manual S or equivalent sizing software such as NEEP advanced sizing tool or the manufacturer sizing software or manufacturer specification sheet showing unit btu output at design temperature. This also must show what % of the building is covered by the installed unit(s). This % of the unit coverage can be calculated and written directly onto an uploaded document if software or specification sheet being used does not show that value.
- AHRI certificate for GSHP's and NEEP certificate for ASHP's. Products must be AHRI and NEEP listed.
- Photos of the existing system
- Copies of all utility bills including delivered fuels
  - A minimum of 12 months of energy usage must be documented. When receipts for un-metered fuels such as wood, pellets, or kerosene are unavailable a customer attestation may be used to estimate consumption and cost of those fuels

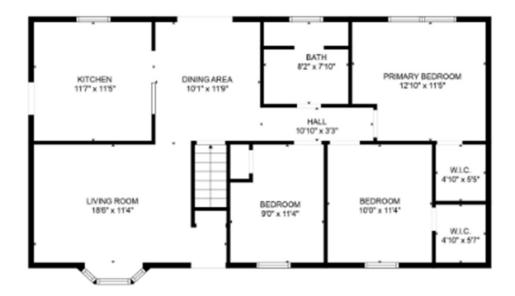
## Customer and Project Eligibility Requirements

### **Project Eligibility Requirements**

Example of drawing that is lacking required details



Example of drawing that meets requirements



## Customer and Project Eligibility Requirements

### **Project Eligibility Requirements**

#### **Example of NEEP sheet**



#### **LENNOX MMA SERIES**

Central Air Conditioning Heat Pump (HP) Singlezone Ducted, Centrally Ducted AHRI Cert #\*: 212348052 Outdoor Unit Model #\*: MLB048S4S-2P Indoor Model #": MMA048S4-\*P

Maximum Heating Capacity (Btu/h) @5°F: 46,443

Arated Heating Capacity (Btu/h) @47°F": 48,000

Rated Cooling Capacity (Btu/h) @95°F": 47,000

Basic View 1

Advanced Data - System Sizing

Information Tables

Brand LENNOX MMA SERIES Series

**Ducting Configuration** Singlezone Ducted, Centrally Ducted

**AHRI Certificate #\*** 212348052 MLB048S4S-2P Outdoor Unit Model #\*

AHRI Certificate #\* 212348052 Outdoor Unit Model #\* MLB048S4S-2P Indoor Model #\* MMA048S4-\*P Indoor Unit Type' Furnace Model\* #

EER\* 16.1 SEER\* 10 HSPF (Region IV)\* 7.8 EER2\* 14.6 SEER2\*

8.8 HSPF2 (Region IV)\* 7.3 HSPF2 (Region V)

**ENERGY STAR V6.1** 

**ENERGY STAR V6.1 Cold Climate** 

**ENERGY STAR V5.0** 

Performance Specs

Heating / Cooling	Outdoor Dry Bulb	Indoor Dry Bulb	Unit	Min	Rated*	Max
Heating	17°F	70°F	Btu/h°	13,000	38,000	50,500
			kW	1.29	6.02	6.43
			COP	2.95	1.85	2.3
Heating	5°F	70°F	Btu/h*	14.300	45.000	46.443

## Air Source/Ground Source Project Documentation

#### Post-Installation Requirements

- Fully completed manufacturer's commissioning form with dates.
- Photo of the unit installed and photo of the name plate with clear view of the model and serial numbers.
- Heat Pump Equipment Invoice(s) if using a subcontractor for heat pump installation.
- Photos documenting that the removal or disabling of the existing system was completed <u>and</u> a copy of the decommissioning form.
- Completed NYSERDA Heat Pump Installation form

# Heat Pump Installation Requirements Project Considerations

#### <u>Project Considerations – Distribution System</u>

Any additional work needed for distribution systems should be itemized and included in the work scope proposal

- The current distribution system should be considered when selecting a system. Distribution costs, if required, will be included in the cost of the heat pump.
- In some homes, major distribution improvements will have to be made. Incentives will have to be balanced with the overall system cost and operational affordability (for instance, it may be more economical to install mini splits rather than a central system with duct improvements, but the mini split system may be more expensive to operate).
- In addition, a homeowner should be informed about the installation costs, operational costs, complexity of systems operation, and overall capacity to deliver comfort as needed when deciding on the type of system to be installed

# Heat Pump Installation Requirements Project Considerations

## **Project Considerations**

### **Project Considerations - Cooling**

With rising temperatures from climate change, heat pumps can provide efficient cooling, which can prevent heat-related illness. For homes that did not have access to cooling, once installed, this equipment can increase operating costs.

- The Participating Contractor <u>must</u> provide the customer with an estimate of how their operating costs could increase, <u>and</u> have the customer sign the attestation on the <u>Test Out form</u> showing estimated first year utility cost reduction and percentage reduction before installation begins.
- Mandatory recycling that follows EPA guidelines of existing A/C window units is required when installing heat pumps

## Additional Incentive Project Requirements

#### <u>Additional Incentive Project Requirements</u>

- Projects that meet the following guidelines are eligible for an additional EmPower+ incentive up to \$5,000 to offset the
  higher cost for homes that require larger and/or more complex heat pump systems to meet the whole building's needs.
  Combined heat pump measure incentives may not exceed 100% of the total cost of the heat pump system installation,
  inclusive of all ancillary components, equipment, and installation costs required to support proper installation and
  operation of the heat pump system.
- Submitted documents to determine that the design of the heat pump system has been value engineered in a manner that serves to mitigate and reduce project cost over-runs in excess of standard project incentive caps.
- Value engineering strategies should follow the guidelines established in the Northeast Energy Efficiency Partnerships "Guide to Sizing & Selecting Air-Source Heat Pumps in Cold Climates" including:
  - Right sizing the heat pump system to the heating and cooling loads of the home after weatherization measures have been installed to make the home's envelope "heat pump ready"
  - Optimizing the system design to deliver heating and cooling comfort conditions using a minimal amount of equipment
  - Locating installed equipment to deliver heating and cooling efficiently while minimizing distances needed to run line set and wiring
  - Utilize design and equipment selection guidance to provide a system which maximizes efficiency and minimizes equipment and operational costs

## Additional Incentive Project Requirements

#### <u>Additional Incentive Project Requirements</u>

To be eligible for the additional \$5000 in EmPower+ incentives, project submissions must include documentation that value engineering strategies have been applied. The following documents are required to be considered for up to an additional \$5000 in incentives:

- For systems where a new duct system is being installed and/or when duct modifications or replacement representing more than 50% of the total duct system are proposed, a completed Manual D as per ANSI/ACCA 1 Manual D 2016 with AHRI Certification Document is required.
- Modifications to existing duct systems used to improve airflow or static pressures or to connect to the new system (supply & return plenums) are not considered new ductwork and do not require a Manual D.
- For existing ducted systems, a Geo stamped photo of the existing main plenum must be submitted for
  project approval. When submitting completion documentation, the contractor must submit a Geo stamped
  photo of static pressure testing being completed of the duct system with the new unit in place and the
  result of the static pressure test.
- Floorplan showing Internal Head placement for Mini split systems as per Manufacturer's specifications.
   (For mini-splits) (Required at Final Project Submission)

## **Project Considerations**

### Project Considerations -Heat Pump Water Heating

Heat Pump Hot Water Heaters should be installed in accordance with manufacturer's installation guidelines and contractors should use their professional discretion when citing them. The following are conditions for determining suitability of a project for a heat pump water heater:

- Electrical capacity present in the current panel box or the panel box can be upgraded to this capacity when the HPWH is installed.
- Adequate ceiling height in the basement for a HPWH.

Electric resistance water heaters should only be installed when the current system is non-functioning and installation of a HPWH is not possible. Projects cannot receive both EmPower+ and NY Clean Heat Funding.

Participating Contractors must inform the program if ANY additional funding (outside of Empower+ based funding) is being utilized on the project.

# **Best Practices - Verifications Between NYHEP and Supportive Documentation**



# Heat Pump Installation Requirements Project Submission Best Practices.

## Verification of Project Eligibility Requirements

Review project eligibility requirements have been achieved before submission.

- Verify that no Clean heat incentives are being included as braided funds
- Verify home does not have Natural Gas as Primary Heating Fuel
- Verify minimum shell requirement have been met, or are included as part of the submitted workscope
  - Verify modeling in NYHEP on existing conditions section are accurate and match prepared Manual J
- Verify existing heating system is older than 5 yrs
- Verify that an existing heat pump is not being replaced with new system
- Verify new system covers 100-110% of the building heating load
- Verify all components are included in the proposed cost of the HP measure
- Verify project meets the 20% energy cost savings requirement
  - If project does not meet 20% minimum include a note as to why savings are lower than anticipated minimum requirements.

# Heat Pump Installation Requirements Project Submission Best Practices.

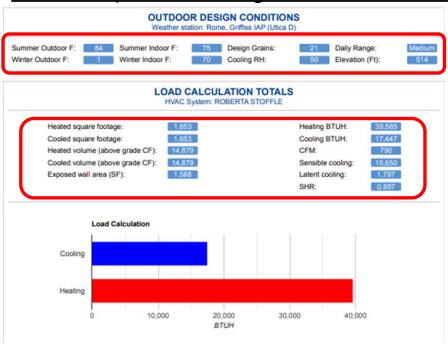
#### Verification of Project Documentation

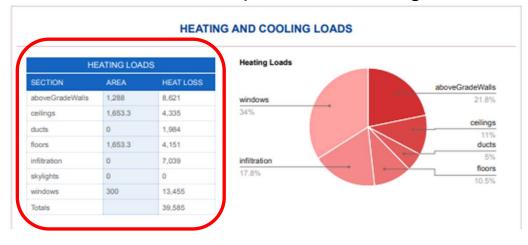
Review project documentation requirements have been collected and uploaded before submission.

- Verify Manual J or other ACCA approved sizing software is accurate and included
  - Verify surfaces modeled in Manual J align with pictures, drawings, and NYHEP inputs
- Verify drawings include rough measurements of windows, doors, walls
  - Verify these align with Manual J and NYHEP existing conditions or proposed measures.
  - Verify total conditioned space matches Manual J and NYHEP inputs.
- Verify Manual S or equivalent sizing documentation has been uploaded.
  - Verify sizing aligns with Manual J BTU requirements and are with in the 100-110% load design requirements
  - Verify proposed HP Equipment/model numbers are included in Manual S and align with NYHEP inputs
- Verify AHRI certificate for GSHP's and NEEP certificate for ASHP's
  - Verify these match Manual S or equivalent and inputs in NYHEP

## Customer and Project Eligibility Requirements

### NYHEP inputs – Existing condition – Verifications for Manual J and provided Drawings





## Customer and Project Eligibility Requirements

### NYHEP inputs – Existing condition – Verifications for Manual J and provided Drawings



Heating

5°F

70°F

## Customer and Project Eligibility Requirements

### **Example of NEEP sheet**



Information Tables	
Brand	LENNOX
Series	MMA SERIES
Ducting Configuration	Singlezone Ducted, Centrally Ducted
AHRI Certificate #*	212348052

Outdoor Unit Model #\*

MLB048S4S-2P

AHRI Certificate #*	212348052
Outdoor Unit Model #*	MLB048S4S-2P
Indoor Model #*	MMA048S4-*P
Indoor Unit Type*	
Furnace Model* #	
EER*	8.4
SEER*	16.1
HSPF (Region IV)*	10
EER2*	7.8
SEER2*	14.6
HSPF2 (Region IV)*	8.8
HSPF2 (Region V)	7.3
ENERGY STAR V6.1	
<b>ENERGY STAR V6.1 Cold Climate</b>	
ENERGY STAR V5.0	
Performance Specs	
Heating / Cooling Outdoor Dry Bulb Indoor D	Ory Bulb Unit Min Rated*
Heating 17°F 70°F	Btu/h* 13,000 38,000

kW

Btu/h°

1.29

2.95

14,300

6.02

1.85

45,000

Max 50,500

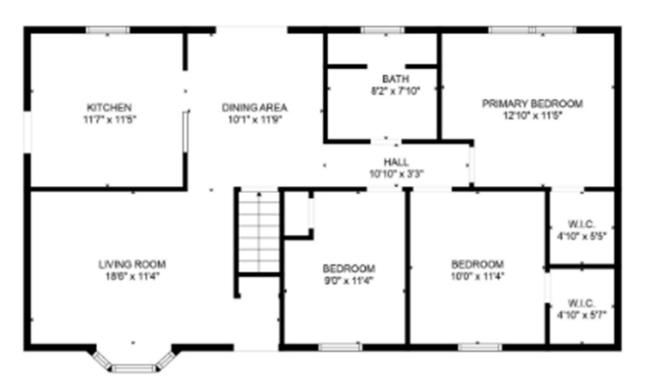
6.43

2.3

46,443

## Customer and Project Eligibility Requirements

NYHEP inputs – Existing condition – Verifications for Manual J and provided Drawings

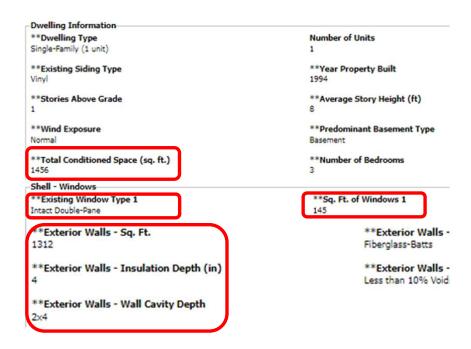


#### Details to include:

- Wall height
- Exterior perimeter measurements
- Roof type
- Tuck under garage
- Defined unconditioned spaces
- Reference pictures if necessary
  - 3 season porches
  - Window types
  - · Others as needed

## Customer and Project Eligibility Requirements

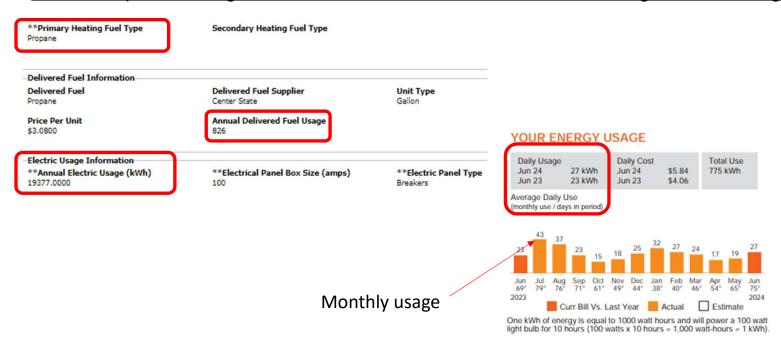
NYHEP inputs – Existing condition – Verifications for Manual J and provided Drawings





## Customer and Project Eligibility Requirements

NYHEP inputs - Usage and Fuel Info. - Verifications for Fuel Usage and Existing Primary Fuel



Month	Days per Month	KW per Month	Monthly Total
January	31	32	992
February	28	27	756
March	31	24	744
April	30	17	510
May	31	19	589
June	30	27	810
July	31	43	1333
August	31	37	1147
September	30	23	690
October	31	15	465
November	30	18	540
December	31	25	775
TOTAL			9351

## Customer and Project Eligibility Requirements

NYHEP inputs - Existing condition - Verifications for Manual J, Manual S, and NEEP sheets,

120% load (before 5/31) or 100% load per Code (on or after 5/31)?:	Yes	•	
**ASHP Configuration Type:	Central Ducted	•	
**ENERGY STAR Certified:			
**ASHP Controls:	Integrated/Modulating		
**Does the new HP meet EnergyStar's requirements for cold climate HP?:	Yes	•	
**What percent of the heating load will this system cover?:	100%		
**Make:	LENNOX		
**Model:	MLB048S4S-2P		
**Efficiency Rating Standard:	SEER/HSPF		
**Replacement Cooling Efficiency - SEER:	16.1		
**Replacement Heating Efficiency - HSPF:	10.0		
**ASHP Size (rated cooling capacity) Btu/h:	47000		
**Maximum Heating Capacity 5 Degrees:	46443		
**Building Heating Load (Manual J) Btu/h:	42288		

**Cost:	\$11,000.00	
**Material Cost:	\$8,000.00	
Duct Work Cost:		
Dollar Savings:	\$1806.71	
Lifetime Savings:	\$27100.71	
Alternate Funding:	Utility WAP 3rd Party	
Estimated Customer Contribution:	\$0.00	
**Will the Customer Contribution be overridden?:	No	•
Show Hidden Calculations:	No	•

## Customer and Project Eligibility Requirements

Total Utility Funding:	\$0.00
Total WAP Funding:	\$0.00
Total 3rd Party Funding:	\$0.00
Total Customer Contribution:	\$0.00
EmPower+ Incentive Including Audit, DI, Pilot:	\$25085.96
EmPower+ Incentive Excluding Audit, DI, Pilot:	\$24192.82
EmPower+ Incentive Excluding Audit, DI, Pilot, Enabling:	\$20192.82
EmPower+ Incentive Excluding Audit, DI, Pilot, Enabling @ 80%:	\$16154.26
Health & Safety Towards Prequalification:	\$2500.00
Annual Fuel Cost:	\$5725.78
First Year Dollar Savings:	\$3315.57
First Year Savings Percentage:	57.9%
Total Lifetime Dollar Savings:	\$50642.77
Passed Project Level Cost Effectiveness:	Yes
Estimated Total HEAR Incentive:	\$14000.00
Estimated EmPower+ Incentive:	\$10192.82
Additional Funding Requested Above Maximum Incentive Amount:	\$192.82

- Verify If braided funding is included:
  - Supportive documentation is provided with submission
  - Amounts for each funding source is accurately reflected
  - Customer contribution is accurately reflected
  - Verify that NYHEP funding allocation indicates correct amount in "Additional Funding Requested" and does not exceed \$5000

First year savings, verify minimum 20% or include note with submission if less than

# Heat Pump Installation Requirements Project Submission Best Practices.

### Verification of Project Documentation

- Verify Photos are provided for the existing system
- Verify supportive documentation has been provided if project includes alternate funding / 3<sup>rd</sup> party funding.
- Verify delivered fuel and electric utility bills are provided
  - Verify usages align with NYHEP inputs

#### **Ducted Systems:**

- For existing ducted systems, a Geo stamped photo of the existing main plenum must be submitted for project approval.
  - Verify picture has been provided
- Verify that a Manual D is provided if proposing a New distribution system or over 50% modifications to existing.
  - Verify duct design meets system needs for selected equipment in Manual S, J. (The provided house diagram may
    be used for floor plan / home layout and contractor provided pictures can be used to help inform verification of
    system compliance but should only be used as a guide and not as a submission requirement)

# Heat Pump Installation Requirements Project Submission Best Practices.

### Verification of Additional Incentive Project Documentation

- Verify correct sizing for the proposed heat pump system satisfies the heating and cooling loads of the home after weatherization measures have been installed to make the home's envelope "heat pump ready"
- Verify Optimizing the system design to deliver heating and cooling comfort conditions using a minimal amount of equipment
  - Verify Manufacturer system design documentation and existing site conditions as illustrated in pictures or notes have been included
- Verify the proposed installed equipment will deliver heating and cooling efficiently while minimizing distances needed to run line set and wiring.
  - Verify Manufacturer system design documentation are being provided

## Customer and Project Eligibility Requirements

#### **Documentation Upload Best Practice**

Document Type(s)	Document Name	Source	File Size	Comments	Create Date	Created By
Electric Bill	17218447687968478470342954777385.jpg	Workscope Submission	942.86 KB		7/25/2024 2:05:53 PM	User, API

- Naming files before upload can save time when looking to verify what documents have been uploaded.
- Comments can be added which can help inform the content of the file, especially if it's a revision.
- Created date can be used to help identify what previous version of a document was provided.

# Heat Pump Installation Requirements Final Project Submission



Final Project Submission Best Practices.

### Verification of Final Project Submission Documentation

- Fully completed manufacturer's commissioning form with dates.
  - Verify all required areas are completed and include required data such as:
    - Temperature: Temperature drop rates during cooling and temperature rises during heating
    - Static pressure: Readings at each stage of the process
    - Amperage: The blower motor's amperage
    - Gas pressure: At each phase of heating or cooling
    - Airflow: Cubic feet per minute (CFM) of airflow throughout the ductwork
    - Refrigerant pressure: At each phase of the cooling cycle

Final Project Submission Best Practices.

### Verification of Final Project Submission Documentation

- Fully completed manufacturer's commissioning form with dates.
  - For ducted units, a commissioning checklist may also include:
    - Design airflow
    - Design discharge static pressure
    - Measured airflow
    - Measured static pressure
    - Whether the ducts are sealed and insulated

Final Project Submission Best Practices.

### Verification of Final Project Submission Documentation

- Photo(s) of the unit installed and photo(s) of the name plate with clear view of the model and serial numbers.
- Heat Pump Equipment Invoice(s) if using a subcontractor for heat pump installation.
- Photos documenting that the removal or disabling of the existing system was completed <u>and</u> a copy of the appropriate completed decommissioning form.
- Completed NYSERDA Heat Pump Installation form.

# OTDA 2024 Projects with ASHP/GSHP Additional Incentive Project Requirements



## OTDA 2024 Projects with ASHP/GSHP (1 of 3)

IF an OTDA eligible project meets **ALL** the following requirements:

- Enrollment Incentives exceed \$20,000
- Includes an ASHP/GSHP
- Requesting \$5,000 expended Value Engineered Incentive

THEN review the current enrollment for IRA eligibility prior to completing work in NYHEP and BEFORE submitting for approval at Workscope Submission\*. Follow the path based on IRA eligibility.

- A. Customer Address Eligible for IRA field is Yes

  Customer Address Eligible for IRA

  Yes
- B. Customer Address Eligible for IRA field is No or is blank or does not exist

Customer Address Eligible for IRA Customer Address Eligible for IRA (enrollments created before 5/19/2024 do not have IRA field)

\*If the enrollment is currently in Workscope Review and the OTDA project exceeds \$20,000, CLEAResult will automatically send the project back and include the instructions.

## OTDA 2024 Projects with ASHP/GSHP(2 of 3)

## A. Customer Address Eligible for IRA field is Yes

- 1. Contractor: For each enrollment submit as support ticket and include
  - Enrollment ID
  - Reason for change "OTDA project exceeding cap, requesting change to IRA"
- 2. CLEAResult will review request and update NYHEP as needed
  - If necessary, roll back to Workscope Submission
- 3. Contractor: Review
  - Ensure IRA incentives are enabled
  - Rework project cost allocation
  - Indicate in notes that project is seeking the Value Engineered Incentives
  - · Add any required documentation per Section 5.10 of the Program Manual
  - Resubmit for approval

## OTDA 2024 Projects with ASHP/GSHP(3 of 3)

- B. Customer Address Eligible for IRA field is No or is blank or does not exist
- 1. Contractor: For each enrollment submit as support ticket and include
  - Enrollment ID
  - Reason for change "OTDA project exceeding cap, requesting change to IRA"
- 2. CLEAResult will review request and initiate an IRA application confirmation with TRC
  - If IRA application confirmed, update NYHEP and roll enrollment back to Workscope Submission
  - If a New enrollment was needed, assign to contractor and close previous enrollment
- 3. Contractor: Review enrollment or complete new one
  - Ensure IRA incentives are enabled
  - Rework project cost allocation
  - Indicate in notes that project is seeking the Value Engineered Incentives
  - Add any required documentation per Section 5.10 of the Program Manual
  - Resubmit for approval

# Heat Pump Installation Requirements Additional Resources.

#### Additional Resources For Contractors:

- Heat Pumps Best Practices for Your New Heat Pump: <a href="https://cleanheatconnect.ny.gov/assets/pdf/CHC-SFR-HP-maintenance-fs-1-v2">https://cleanheatconnect.ny.gov/assets/pdf/CHC-SFR-HP-maintenance-fs-1-v2</a> acc.pdf
- Heat Pump Options: <a href="https://cleanheat.ny.gov/planner/quiz/?show-all=true">https://cleanheat.ny.gov/planner/quiz/?show-all=true</a>
- Marketing Tools & Materials: https://cleanheatconnect.ny.gov/marketing-tools-and-materials/
- Forms: <a href="https://hpwescontractorsupport.com/forms/">https://hpwescontractorsupport.com/forms/</a>
- Decommissioning Checklist for Heat Pump Installations: <a href="https://hpwescontractorsupport.com/wp-content/uploads/2024/06/Decommissioning-Checklist-June-2024.pdf">https://hpwescontractorsupport.com/wp-content/uploads/2024/06/Decommissioning-Checklist-June-2024.pdf</a>
- Residential Heating and Cooling Load Analysis Quality Control Checklist: <a href="https://hpwescontractorsupport.com/wp-content/uploads/2024/08/Residential-Heating-and-Cooling-Load-Calc-Quality-Control-Checklist-v2-FINAL-1.pdf">https://hpwescontractorsupport.com/wp-content/uploads/2024/08/Residential-Heating-and-Cooling-Load-Calc-Quality-Control-Checklist-v2-FINAL-1.pdf</a>
- Guide To Installing Air-Source Heat Pumps in Cold Climates: <a href="https://neep.org/sites/default/files/resources/InstallingASHPinCold\_edits.pdf">https://neep.org/sites/default/files/resources/InstallingASHPinCold\_edits.pdf</a>
- Guide To Sizing & Selecting Air-Source Heat Pumps in Cold Climates: <a href="https://neep.org/sites/default/files/resources/ASHP%20Sizing%20%26%20Selecting%20-%208x11">https://neep.org/sites/default/files/resources/ASHP%20Sizing%20%26%20Selecting%20-%208x11</a> edits.pdf

# Thank you

