

# Water to Water -- Geothermal High Efficiency Application

Print Form

**ATTENTION -- No incentive will be paid if the verification test is not properly completed! It is the homeowner's responsibility to ensure the contractor completes the performance testing.** Contact Roger Hunt (402-239-9406); Steve Walker (308-535-5324); or Kelly Beiermann (402-563-5415), with any questions.

Direct Incentive -OR-  Low Interest Loan - Apply for one!

1. Name of HVAC Contractor: \_\_\_\_\_ Tax ID #: \_\_\_\_\_

Address & City: \_\_\_\_\_ Phone Number: \_\_\_\_\_

2. Homeowner's Name: \_\_\_\_\_ Electric Utility: \_\_\_\_\_

Homeowner's Address & City: \_\_\_\_\_ Daytime Phone: \_\_\_\_\_

Installation Address & City\*: \_\_\_\_\_ Acct or Meter #\* \_\_\_\_\_

3. Equipment Information: Tonnage: \_\_\_\_\_ Equipment Mfr.: \_\_\_\_\_ Heat Pump Model No.: \_\_\_\_\_

Ground Source HP: EER \_\_\_\_\_ COP \_\_\_\_\_

Type of Installation: New Construction  , A/C to a Heat Pump  , or Existing Heat Pump to New Heat Pump

**Verification Tip! Having the manufacturer's performance data, on site and at the time of verification testing, will be helpful. Also, test installation with hot water generator off.**

4. Measurements: (Measure pressure difference (DP) to determine flow rate (gpm) from manufacturer's data)

A) Entering Source Temp = \_\_\_\_\_ °F Leaving Source Temp = \_\_\_\_\_ °F Source Flow Rate = \_\_\_\_\_ gpm

B) Entering Load Temp = \_\_\_\_\_ °F Leaving Load Temp = \_\_\_\_\_ °F Load Flow Rate = \_\_\_\_\_ gpm

5. Manufacturer's Data at Conditions Measured Above: (fill in the blanks below from mfr's data)

A) Rated Total Cooling (TC) = \_\_\_\_\_ Btuh --or-- Rated Heating Capacity (HC) = \_\_\_\_\_ Btuh

B) Rated Heat of Rejection (HR) = \_\_\_\_\_ Btuh --or-- Rated Heat of Extraction (HE) = \_\_\_\_\_ Btuh

6. Quality Assurance Inspection Results:

A) TC or HC = \_\_\_\_\_ gpm X \_\_\_\_\_ TD X  485 (glycol) or  500 (water) = \_\_\_\_\_ Btuh

B) Difference between rated and measured capacity (measured-rated)/rated = \_\_\_\_\_ % Passed (within 10%) or Failed

C) If failed - reason \_\_\_\_\_ ?

D) HE or HR = \_\_\_\_\_ gpm X \_\_\_\_\_ TD X  485 (glycol) or  500 (water) = \_\_\_\_\_ Btuh

E) Difference between rated and measured capacity (measured-rated)/rated = \_\_\_\_\_ % Passed (within 10%) or Failed

F) If failed - reason \_\_\_\_\_ ?

7.  Check box to signify that AHRI Certificate is attached AHRI Cert. # \_\_\_\_\_

8. I acknowledge that this installation is in compliance with the program guidelines.

Homeowner: \_\_\_\_\_

Print Name

Signature

Date

Inspection by: \_\_\_\_\_

Print Name

Signature

Date

NATE Certification # \_\_\_\_\_ (NATE Certification is requested, but not mandatory for this application process)

9. Submit this application to your local utility for approval and processing for payment