PROCESS

Option 1: Direct Incentive

The homeowner selects a qualified heat pump (min. 14 SEER, and min. 8.2 HSPF).

1. The installing contractor; 1) performs a Performance Verification Test of the system, 2) records the results on the attached application form, and 3) signs it.
2. The homeowner signs the application and submits it to their local electric utility.
3. If the installed heat pump operates within 10% of the manufacturer's specification, then both the homeowner AND the contractor receive an incentive.
4. If the installed heat pump does not pass (which may be the case with some existing homes), only the homeowner receives the incentive, because they chose a high efficiency heat pump. The contractor does not qualify because the desired energy performance is not obtained.
5. The local utility will provide the incentive directly to the homeowner, and the Nebraska Public Power District will provide the incentive to the contractor.

Option 2: Low Interest Loan

Through a partnership with the Nebraska Energy Office and approximately 600 financial institutions throughout the state, you can finance your new heat pump system at a 2.5% interest rate.

Homeowner must install a new heat pump (min. 15 SEER, 12.5 EER, and min. 8.5 HSPF). Other heat pump system components can be included in the loan (ie. back up furnace–electric or fossil fuel, programmable thermostat, etc.)

1. Contact the financial institution of your choice and request a EnergyWise Loan – which is 2.5% interest throught the Nebraska Energy Office's "Dollar and Energy Savings Loan Program". Find more information at www.neo.ne.gov.
2. If the local financial institution is not aware of the program – contact the Nebraska Energy Office at 402-471-2867.
3. **The customer cannot proceed with the installation until the Nebraska Energy Office has processed the loan paperwork; this can take as many as 10 business days.**
4. Homes built within the last 5 years are not eligible for the low interest loan (but they are eligible for the incentive).
5. Request that a performance verification is done on the installation – contractor completes application and it is then signed by the contractor and homeowner and sent to your electric utility provider. If it is operating within 10% of the manufacturing specifications – we will pay your contractor $50. This helps ensure your system is installed correctly.

Nebraska Public Power District

Always there when you need us

Sponsored by Nebraska Public Power District in partnership with it's Wholesale Utility Customers.

Get EnergyWise℠ Today

EnergyWise℠ programs offer incentives to homeowners, businesses, and agriculture to help cover the cost of a variety of energy-efficient upgrades.

G137900

THINKGREEN please recycle

INSTALL COMFORT & SAVE MONEY

High Efficiency Heat Pump Program

ENERGYWISE℠

Use less. Spend less. Do more.

Those who are wise know...

It's less expensive to save a kilowatt-hour of energy than it is to generate and deliver one. You may not, however, know that you could qualify to receive financial assistance when you install a high-efficiency, qualified heat pump.

As your local utility, we want to ensure that the new heat pump installed at your residence is verified to ensure you receive great performance and comfort. Your installer will complete a performance verification to ensure your heat pump is performing at or near its rated capacity.

DIRECT INCENTIVE

High Efficient Heat Pump (HP)
(based on ARI equipment rating)

System Type	Minimum Incentive Criteria	Incentive Recipient	Incentive
Air Source HP	14 SEER, 8.2 HSPF	Homeowner	$100
Air Source HP	15+ SEER, 12.5 EER, 8.5 HSPF	Homeowner	$300
Ground Source HP	Any EER	Homeowner	$400
HP 14+SEER	Performance Verification within 10%	Htg./Clg. Contractor	$50

OR

LOW INTEREST LOAN

Apply for a **2.5% loan** through the Nebraska Energy Office's **"Dollar and Energy Savings Loan Program"** for your new qualifying heat pump system

An AHRI Certificate is required for all 15+ SEER equipment meeting the requirements in the table above. If an AHRI Certificate is not attached to the Verification Form, the maximum incentive will be $100.

ENERGY STAR PARTNER

Incentives valid as of 1-1-2012. Subject to change without notice. Verify current incentive amounts and program information at **www.nppd.com**. These EnergyWise℠ programs are only available to customers of NPPD and customers of its wholesale utilities.

CUT AND RETURN COMPLETED FORM TO YOUR PARTICIPATING ELECTRIC UTILITY

HIGH EFFICIENCY HEAT PUMP VERIFICATION - APPLICATION FORM

Applications will only be processed if information is provided in all 9 sections and only if the homeowner's and contractor's signatures are on form. Contact Kelly Beiermann (402-563-5415), Roger Hunt (402-293-9406), or Steve Walker (308-535-5324) with any questions.

Can only apply for one: ☐ **Direct Incentive (or)** ☐ **Low Interest Loan**

1. **HVAC Dealer Name:** _____ Tax ID #: _____

   Address & City: _____

   Phone Number: _____

2. **Homeowner's Name:** _____Electric Utility:_____

   Home Owner's Address & City:_____Acct or Meter #: * _____

   Installation Address & City: * _____

   Daytime Phone:_____

3. **Equipment Information:** ID Coil No._____Heat Pump Model_____

   Tonnage_____Equip. Mfr._____Furnace/Air Handler Model No._____

   Air Source HP: SEER_____ EER _____HSPF _____; Ground Source HP: EER _____ COP_____

   Backup for Air Source HP: Electric _____ (kW), or Fossil Fuel _____ (Btuh)

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

4. **Determine CFM: (Complete section A or B)**

   See Heat Pump Performance Verification Tips on www.nppd.com for explanation of steps 4-7.

   A) Total External Static Pressure (ESP) _____ inches of W.C.

      Equivalent CFM (per equipment specifications and measured external static pressure)_____

   B) Airflow check - temperature rise method with electric furnace (test in emergency heat mode)

      1) _____Volts x _____Amps = _____Watts x 3.414 = _____Btuh

      2) _____Supply Air °F (minus)_____Return Air °F = _____Temp. Difference (TD) °F

      3) _____Btuh (divided by) 1.08 (divided by) _____ (TD) °F =_____CFM

5. **Ground Source Heat Pump Water Side Performance (test with hot water generator off)**

   Skip this section if air source heat pump

   1) Inlet Temp_____°F - Outlet Temp_____ °F=_____Water TD 2) Water Flow Rate_____gpm as determined by:

   ☐ Flow Meter, ☐ Autoflow valve setting, or ☐ Mfr's specs @ Differential Pressure (DP):

   Inlet Pressure_____psi - Outlet Pressure_____psi = _____Water DP

   3) Heat of Extraction/Rejection = _____gpm x _____Water TD x 485 (glycol) or 500 (water) = _____Btuh

6. **Measured Heat Pump Capacity Calculation (Complete section A or B)**

   A) **Heating Cycle** (test in heat pump only mode)

      1) _____ Supply Air °F (minus) _____Return Air °F = _____(TD) °F

      2) 1.08 x _____(TD) °F x _____CFM (section 4) = _____Btuh

   B) **Cooling Cycle** (run at least ten minutes prior to testing)

      1) Return wet bulb temp. _____ = Enthalpy _____; Supply wet bulb temp. _____ = Enthalpy_____

      3) Enthalpy Difference = _____

      4) 4.5 x _____CFM (section 4) x _____Enthalpy Difference = _____ Btuh

7. **Quality Assurance Inspection Results:**

   A) Measured Total CFM (section 4): _____ Outdoor Temp: _____

      Mfr's. Rated HP Capacity: _____ Btuh

   B) Measured Heat Pump Capacity (section 6): _____Btuh

   C) Difference between rated and

      measured capacity (rated-measured)/rated = _____% Passed (≤10%) or Failed (>11%)

   D) If failed - reason ?_____

8. ☐ **Check box to signify that AHRI Certificate is attached (required for 15+SEER HPs & Ground Source HPs)**

   AHRI Cert. No.* _____

9. **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 #: _____

ALL 9 SECTIONS NEED TO BE COMPLETED IN ORDER TO PROCESS.
Note "*" - Fill in if Applicable

Next Step -

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