

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 (minimum of 14 SEER and 8.2 HSPF) at a 2.5% interest rate.

Homeowner must install a new heat pump (min. 14 SEER and min. 8.2 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 through 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 \$100. This helps ensure your system is installed correctly.



HIGH EFFICIENCY HEAT PUMP PROGRAM

Incentive or
Low Interest Loan...“your choice”



bpw

BEATRICE-BOARD OF PUBLIC WORKS

Sponsored by Nebraska Public Power District
in Partnership with its Wholesale Utility Customers

ENERGYWISESM
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. But you probably knew that. 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. And here's how we'll do it:

... If you installed or are considering a new heat pump in your home that is at least a 14 SEER and 8.2 HSPF or higher, you are eligible for either a EnergyWise direct incentive OR a low interest loan.

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	\$200
Air Source HP	15 SEER, 8.2 HSPF	Homeowner	\$250
Air Source HP	16+ SEER, 8.2 HSPF	Homeowner	\$300
Ground Source HP	Any EER	Homeowner	\$400
HP 14+SEER	Performance Verification within 10%	Htg./Clg. Contractor	\$100

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.



Incentives valid as of 4-1-09, subject to change without notice, verify current incentive amounts and program information at www.nppd.com. These programs are only available to customers of NPPD and customers of its wholesale utilities.

High Efficiency Heat Pump Verification - APPLICATION FORM

Applications will only be processed if information is provided in all 7 sections and only if homeowner and contractor's signatures are completed on form. Complete 1 form for each residential heat pump installation. Questions?? Contact Kelly Beiermann (402-563-5415) klbeier@nppd.com, or Roger Hunt (402-239-9406) rlhunt@nppd.com, or Steve Walker (308-535-5324) shwalke@nppd.com.

Direct Incentive (or) Low Interest Loan

1. HVAC Dealer Name: _____

Address & City: _____

Phone Number: _____ Tax ID #: _____

2. Home Owner's Name: _____

Home Owner's Address & City: _____

Installation Address & City: * _____

Electric Utility Provider: _____ Acct or Meter #: * _____

3. Equipment Information: Tonnage: _____ SEER Rating: _____ HSPF: _____

Backup for Heat Pump: Electric _____ (kw), or Fossil Fuel _____ (Btuh),

If Geothermal Heat Pump - (EER) * _____ (COP)* _____ ARI Performace Cert. # * _____

Equipment Mfr: _____ Furnace Model #: _____

ID Coil # _____ Heat Pump Model # _____

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)

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

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

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

1) _____ Volts x _____ Amps = _____ Watts

2) _____ Watts x 3.414 = _____ Btuh

3) _____ Supply Air °F (minus) _____ Return Air °F = _____ Temp. Difference (TD) °F

4) _____ Btuh (divided by) 1.08 (divided by) _____ (TD) °F = _____ CFM

5. 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)

1) Return - wet bulb temp. _____ = Enthalpy _____

2) Supply - wet bulb temp. _____ = Enthalpy _____

3) Enthalpy Difference = _____

4) 4.5 x _____ CFM (section 4) x _____ Enthalpy Difference = _____ Btuh

6. Quality Assurance Inspection Results:

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

1) Mfr's. Rated HP Capacity: _____ Btuh

B) Measured Heat Pump Capacity (section 5): _____ Btuh

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

D) If failed - reason? _____

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

Homeowner: _____
Print Name Signature Date

Inspection performed by: _____
Print Name Signature Date

NATE Certification #: _____

* Fill in if applicable

ALL 7 SECTIONS NEED TO BE COMPLETED IN ORDER TO PROCESS.

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

CUT AND RETURN COMPLETED FORM TO YOUR PARTICIPATING ELECTRIC UTILITY