



Residential Central AC and ASHP Rebate Program - ERMU

Central AC (CAC) - Air Source Heat Pump (ASHP)

Important:

- Rebate amount is based on SEER rating and qualified installation for CAC or ASHP. Limit one rebate per customer account.
- CAC or ASHP must be installed within service territory by a registered QI contractor.
- Customer Information must be completed.
- **Contact Elk River Municipal Utilities (ERMU) at 763-635-1330 for specific rebate requirements and availability.**
- Verify the contractor completed the Equipment and Installation Information.
- Include a copy of the original dated sales receipt.
- Include your account number and sign the form.
- Submit completed rebate with a copy of the sales receipt with model and serial numbers within 6 months of installation date to ERMU.
- Retain the white copy of the rebate form for your files.
- Rebates are available for CAC or ASHP with a SEER rating of 14.5 or greater installed by a registered company.
- Rebate submittal must follow the guidelines as listed above. ERMU is not responsible for inaccurate information supplied by CAC or ASHP dealers. Rebates will be issued only for CAC or ASHP installed by a contractor that is registered for the rebate program. A list of contractors can be found at www.elkriverutilities.com under Conservation Programs. The Rebate Program is subject to change or cancellation without notice. Call 763-441-2020 to verify rebate program status.
- Participation in this program shall impose no liability on ERMU in particular, ERMU shall not be liable for the work performed by the customer's engineer, contractor or vendor. Registration by a contractor for this program does not constitute an endorsement, nor does it certify or guarantee the work performed.
- **Ground source heat pumps are not eligible for this program, but may be eligible for other Rebate Programs designed specifically for those technologies.** Contact ERMU for details.

Customer Information:

Name:	Account #:					
Mailing Address:						
Address where installation or work is done:						
City:	State:	Zip:	Phone Number:			
Type of Work:	Replacement	New	Central AC	ASHP	Furnace with EMC	(Check all that apply)
Signature:			Today's date:			
I certify that the CAC or ASHP for which I am claiming a rebate is a qualifying HVAC installation, that it has been installed at the address listed above, and that this address represents a valid ERMU account.						

Contractor Information:

Company Name:	State or Federal Tax ID:		
Mailing Address:	City:	State:	ZIP:
Phone Number:	Installer's Name:		
Installer's Signature:			

Equipment and Installation Information:

Purchase date: ___/___/___	Installation date: ___/___/___	Startup/testing date: ___/___/___	Outdoor Temp: ___ °F (time of testing)
Manufacturer:	Air Conditioner	AS Heat Pump	
Condenser model #:	Condenser serial #:		
Evaporator coil model #:	Evaporator coil serial #:		
Furnace model # (if new):	Furnace serial #:		
SEER Rating (check one):	Tons: _____	ARI #: _____	Attach A Copy Of The AHRI Certificate Of Product Ratings
≥ SEER 14.5	≥ SEER 15	≥ SEER 16+	
Equipment Sizing: Heat loss/gain calculation completed and on file? Technician Initials _____			
Airflow: Does cooling airflow meet manufacturers' specifications? Yes No			
Exposed Duct Work: Is the new to existing duct work sealed? Yes No			
Refrigerant Type: R410 A R22 Other _____			
ECM Blower Motor: New Retrofit			

Installation Technician: Please complete the following airflow tests and the appropriate refrigerant charge tests (depending on whether the system is TXV or non-TXV) using the reference charts provided on the back of the yellow copy. Note that the outdoor temperature must be at or above the minimum specified by the manufacturer for testing to take place.

AIRFLOW	1.	Amps - Compressor	
	2.	Amps - Furnace	
	3.	Return db Temperature	
	4.	Return wb Temperature	
	5.	Supply db Temperature	
	6.	Actual Temperature Split [(3) - (5)]	
	7.	Target Temperature Split (see chart)	
	8.	Difference [(6) - (7)]	

NON-TXV SYSTEM	9.	Suction Line Temperature °F	
	10.	Suction Saturation Temperature	
	11.	Suction Pressure [Gauge]	
	12.	Actual Superheat [(9) - (10)]	
	13.	Return wb Temperature (Line 4 Above)	
	14.	Target Superheat	
	15.	Difference [(12) - (14)]	

TXV SYSTEM	16.	Liquid Line Pressure	
	17.	Liquid Saturation Temperature	
	18.	Liquid Line Temperature	
	19.	Actual Subcool [(17) - (18)]	
	20.	Target Subcool	
	21.	Difference [(19) - (20)]	

TARGET SUPERHEAT FOR REFRIGERANT CHARGE (NON - TXV SYSTEM)
Return Air Wet-Bulb Temperature (°F) (T return,wb)

	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
55	9	10	12	13	14	16	17	19	20	22	23	25	26	28	29	31	32	34	35	36	38	39	40	42	43	44	45
56	9	10	11	13	14	15	17	18	20	21	23	24	26	27	29	31	32	33	35	36	37	39	40	41	42	43	45
57	8	10	11	12	14	15	17	18	19	21	22	24	25	27	28	30	31	33	34	35	37	38	39	41	42	43	44
58	8	9	11	12	13	15	16	18	19	20	22	23	25	26	28	29	31	32	34	35	36	38	39	40	41	43	44
59	8	9	10	12	13	14	16	17	19	20	21	23	24	26	27	29	30	32	33	34	36	37	38	40	41	42	43
60	7	8	10	11	13	14	15	17	18	20	21	22	24	25	27	28	30	31	32	34	35	36	38	39	40	42	43
61	7	8	9	11	12	14	15	16	18	19	21	22	23	25	26	28	29	30	32	33	35	36	37	39	40	41	42
62	6	7	9	10	12	13	15	16	17	19	20	21	23	24	26	27	28	30	31	33	34	35	37	38	39	41	42
63	5	7	8	10	11	13	14	15	17	18	20	21	22	24	25	26	28	29	31	32	34	35	36	38	39	40	42
64	0	6	8	9	11	12	14	15	16	18	19	20	22	23	24	26	27	29	30	32	33	34	36	37	39	40	41
65	0	5	7	9	10	12	13	14	16	17	19	20	21	23	24	25	27	28	30	31	33	34	35	37	38	39	41
66	0	0	6	8	9	11	12	14	15	17	18	19	21	22	23	25	26	28	29	31	32	33	35	36	38	39	40
67	-	0	6	7	9	10	12	13	15	16	17	19	20	21	23	24	26	27	29	30	32	33	34	36	37	39	40
68	-	-	0	6	8	10	11	13	14	16	17	18	20	21	22	24	25	27	28	30	31	33	34	35	37	38	40
69	-	-	-	6	7	9	10	12	13	15	16	18	19	20	22	23	24	26	28	29	31	32	33	35	36	38	39
70	-	-	-	-	6	8	10	11	13	14	16	17	18	20	21	22	24	25	27	29	30	32	33	34	36	37	39
71	-	-	-	-	6	7	9	11	12	14	15	16	18	19	20	22	23	25	26	28	30	31	33	34	35	37	38
72	-	-	-	-	-	6	8	10	11	13	14	16	17	19	20	21	23	24	26	27	29	31	32	34	35	37	38
73	-	-	-	-	-	6	7	9	11	12	14	15	17	18	19	21	22	24	25	27	29	30	32	33	35	36	38
74	-	-	-	-	-	-	7	8	10	12	13	15	16	17	19	20	22	23	25	26	28	30	31	33	34	36	37
75	-	-	-	-	-	-	6	7	9	11	12	14	15	17	18	19	21	23	24	26	28	29	31	32	34	35	37
76	-	-	-	-	-	-	-	7	8	10	12	13	15	16	17	19	21	22	24	25	27	29	30	32	33	35	36
77	-	-	-	-	-	-	-	6	8	9	11	13	14	15	17	18	20	22	23	25	27	28	30	31	33	34	36
78	-	-	-	-	-	-	-	-	7	9	10	12	13	15	16	18	19	21	23	24	26	28	29	31	32	34	36
79	-	-	-	-	-	-	-	-	6	8	10	11	13	14	16	17	19	21	22	24	26	27	29	30	32	34	35
80	-	-	-	-	-	-	-	-	-	7	9	10	12	14	15	17	18	20	22	23	25	27	28	30	32	33	35
81	-	-	-	-	-	-	-	-	-	6	8	10	11	13	14	16	18	19	21	23	25	26	28	30	31	33	34
82	-	-	-	-	-	-	-	-	-	5	7	9	11	12	14	15	17	19	21	22	24	26	27	29	31	32	34
83	-	-	-	-	-	-	-	-	-	-	6	8	10	12	13	15	17	18	20	22	24	25	27	29	30	32	34
84	-	-	-	-	-	-	-	-	-	-	6	7	9	11	13	14	16	18	20	21	23	25	27	28	30	32	33
85	-	-	-	-	-	-	-	-	-	-	-	7	9	10	12	14	16	17	19	21	23	24	26	28	30	31	33
86	-	-	-	-	-	-	-	-	-	-	-	6	8	10	11	13	15	17	19	20	22	24	26	27	29	31	33
87	-	-	-	-	-	-	-	-	-	-	-	5	7	9	11	13	14	16	18	20	22	23	25	27	29	30	32
88	-	-	-	-	-	-	-	-	-	-	-	-	6	8	10	12	14	16	18	19	21	23	25	27	28	30	32
89	-	-	-	-	-	-	-	-	-	-	-	-	6	8	9	12	13	15	17	19	21	22	24	26	28	30	32
90	-	-	-	-	-	-	-	-	-	-	-	-	-	7	9	11	13	15	17	18	20	22	24	26	28	29	31
91	-	-	-	-	-	-	-	-	-	-	-	-	-	6	8	10	12	14	16	18	20	21	23	25	27	29	31
92	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8	10	12	14	15	17	19	21	23	25	27	29	30

Target Temperature Split For Airflow
Return Air Wet-Bulb Temperature (°F)

	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
70	21	21	21	20	20	20	20	19	19	18	18	17	17	16	15	14	14	13	12	11	10	9	8	7	6	5	3
71	21	21	21	21	21	20	20	20	19	19	18	18	17	16	16	15	14	13	13	12	11	10	9	7	6	5	4
72	22	22	22	22	21	21	21	20	20	19	19	18	18	17	16	16	15	14	13	12	11	10	9	8	7	6	4
73	23	22	22	22	22	22	21	21	20	20	19	19	18	18	17	16	15	14	14	13	12	11	10	9	7	6	5
74	23	23	23	23	22	22	22	21	21	20	20	19	19	18	17	17	16	15	14	13	12	11	10	9	8	7	5
75	24	24	23	23	23	23	22	22	21	21	20	20	19	19	18	17	16	16	15	14	13	12	11	10	8	7	6
76	24	24	24	24	23	23	23	22	22	22	21	20	20	19	19	18	17	16	15	14	13	12	11	10	9	8	7
77	-	25	24	24	24	24	23	23	23	22	22	21	20	20	19	18	18	17	16	15	14	13	12	11	10	8	7
78	-	-	-	25	25	24	24	24	23	23	22	22	21	20	20	19	18	17	16	15	14	13	12	11	10	9	8
79	-	-	-	-	-	25	24	24	24	23	23	22	21	21	20	19	19	18	17	16	15	14	13	12	11	9	8
80	-	-	-	-	-	-	25	25	24	24	23	23	22	21	21	20	19	18	17	16	16	14	13	12	11	10	9
81	-	-	-	-	-	-	-	25	25	24	24	23	23	22	21	20	20	19	18	17	16	15	14	13	12	10	9
82	-	-	-	-	-	-	-	-	25	25	24	24	23	22	22	21	20	19	19	18	17	16	15	13	12	11	10
83	-	-	-	-	-	-	-	-	-	25	25	24	24	23	22	22	21	20	19	18	17	16	15	14	13	12	10
84	-	-	-	-	-	-	-	-	-	26	25	25	24	24	23	22	21	20	20	19	18	17	16	14	13	12	11

Residential Central AC and ASHP Rebate Program

OVERVIEW

In order to generate maximum electric energy savings for the customer, the Central AC and Air Source Heat Pump Rebate program focuses on **installation** practices. We seek to validate four components of the installation: proper sizing, airflow, refrigerant charge, and duct sealing.

ELIGIBILITY

Customers applying for the rebate must reside in ERMU's service territory and receive residential electric service from ERMU.

REBATE AMOUNT

Rebate amounts may vary depending on the efficiency rating of the equipment purchased and the type of equipment purchased. (See "Selecting the Right Equipment" for more information about SEER ratings and rebate eligibility.)

SEER Rating AC	Rebate	ASHP Rebate
14.5 – 14.9	\$180 +	\$480 / ton
15.0 – 15.9	\$280 +	\$580/ ton
16+	\$330 +	\$630 / ton

PROGRAM REQUIREMENTS

Using a Registered Contractor

In order to receive rebates, customers must use a contractor who is currently registered through HVACReduction.net to install qualifying equipment. These contractors have agreed to the terms of the program and passed a test demonstrating their knowledge of installation practices and have received a QI (Quality Install) number. A list of contractors can be found at www.elkriverutilities.com under Conservation Programs.

Selecting the Right Equipment

Only new central air conditioning or air source heat pump systems with an overall efficiency of 14.5 SEER or higher are eligible. The system must be matched, which means the outdoor condenser unit and the indoor evaporator coil were designed by the manufacturer to work together to provide top performance and maximum efficiency.

The Air Conditioning and Refrigeration Institute's (ARI) Unitary Directory is used to identify product classification, determine efficiency ratings, and confirm matched systems. Non-matched assemblies are not certified by the ARI and are not eligible for rebate. The ARI directory may be found at www.ahridirectory.org or by calling 315-717-5180.

The use of a furnace's variable speed fan to increase the SEER rating above the nominal rating will be allowed for determining rebate eligibility provided that the customer purchased and installed a new furnace and air conditioner. The overall furnace and air conditioning rating must be found in the ARI directory. The furnace may also qualify for a rebate if it is equipped with an ECM blower motor.

Ground source heat pumps are not eligible for this rebate program, but may be eligible to participate in other rebate programs designed specifically for that technology.

Installing and Testing the Equipment

Qualifying equipment must be installed between January 1, and December 31.

In order to verify that the equipment has been properly installed, the contractor must activate the system and perform tests relating to the airflow and refrigerant charge. These tests can only be conducted when the outdoor (ambient) temperature meets manufacturer's specifications. Rebate applications may not be submitted until the equipment has been tested.

If a qualifying system is purchased and installed on or before December 31, but conditions do not allow for equipment testing at the time of installation, the customer will still be eligible for the rebate as long as testing is completed and the application submitted by June 30, the year following installation.

APPLICATION INSTRUCTIONS

All applicable customer and contractor information must be completed on the front of this form.

A dated sales receipt/invoice MUST accompany the rebate application, and it must include the following information:

Purchase date
Equipment manufacturer
Condenser model and serial numbers
Evaporator coil model and serial numbers
Furnace model and serial numbers (if applicable)

All information on the receipt/invoice must match the information on the rebate application EXACTLY.

Equipment installation and testing must be completed **before** the rebate application is submitted.

Applications must be postmarked no later than June 30, of the following year. Please submit one rebate application per central air conditioner or air source heat pump.

Submit rebate requests to ERMU and allow at least six (6) weeks for rebate processing.

REBATE DETAILS

ERMU will issue cash rebates in the form of checks

ERMU is not responsible for any lost, late, stolen, ineligible, illegible, misdirected, or "postage due" mail. All completed submissions become the property of ERMU and will not be returned. Warning: Fraudulent submission of form may result in prosecution for mail fraud pursuant to Title 18 US Code sections 1341 and 1342.

Participation in this program shall impose no liability on ERMU. In particular, ERMU shall not be liable for the work performed by the customer's engineer, contractor or vendor. Registration by a contractor in this program does not constitute an endorsement, nor does it certify or guarantee the quality of work performed.

ERMU is not responsible if your heating and cooling contractor, retailer, builder or other party provides you with inaccurate information about the amount or qualifications of the actual rebate. ERMU will not rebate equipment that has been mislabeled or misrepresented.

ERMU will conduct inspections to verify installation of the air conditioner at the address indicated on the front of this application. The customer agrees to provide reasonable access to the residence to inspect the HVAC system installed. Inspections will be performed before rebate payment is made.

Rebate qualifications and amounts are subject to change at any time. Please contact ERMU at 763-635-1330 to determine whether any program changes have occurred.

Submit rebates requests to ERMU and allow at least six (6) weeks for rebate processing. Both parties should retain copies of the application and invoice for their records.

CUSTOMER CHECKLIST

- Did you include your account number?
- Did you sign the rebate application?
- Did you read all information on this page and save copies of the application and equipment invoice for your records?

CONTRACTOR CHECKLIST

- Did you complete a load calculation to determine the size of the system installed? (Be sure to keep a copy of the calculation with your customer's file. You will be asked to provide this information if your installation is randomly selected for inspection.)
- Did you fill in all required information on the application?
- Did your office staff verify the ARI reference number and SEER rating of the installed equipment, and list this information in the grey box on the front?
- Did you provide a dated sales receipt/invoice containing all required information listed above?
- Did you sign the rebate application and provide your contractor QI number?