

Motors & Drives



Rebate Application

Federated Rural Electric, ATTN: Jon, P.O. Box 69, Jackson, MN 56143
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Business Member Information

Business Name _____
Installation Address _____
City, State, Zip _____
Contact Name _____
Email _____
Phone Number _____
Account Number _____

Rebate Recipient

To release the rebate incentive check to an alternate party other than the cooperative business member, the member must specify an alternative mailing address and authorize with a signature below.

Please Send Rebate to (check one):

- Business Member Alternative Recipient

Recipient Name _____
Mailing Address _____
City, State, Zip _____
Contact Name _____

Application Check List

- Rebate application with
- Itemized project invoices (labor &
- Equipment specifications

The undersigned does hereby certify that the undersigned is solely responsible for the accuracy of the information contained in this application. All rules of the program have been followed and the installation is complete. The undersigned acknowledges that nothing contained in the application imposes any liability on the cooperative for the work performed and information presented by the member, member's engineer, contractor, or vendor. The undersigned also authorized payment of incentive directly to the specified rebate recipient.

Member Signature

Date

Received _____



Received _____

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Rules & Information

Warranty Information

Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by the cooperative. The cooperative shall not be responsible or liable for any personal injury or property damage caused by this equipment. The cooperative does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall the cooperative be liable for any incidental or consequential damages.

General Program Rules

1. Installation must be complete before application is submitted and funds are issued.
2. Members and vendors must submit itemized equipment invoices, rebate application, and manufacturer equipment specifications. To ensure that the equipment installed meets the cooperative's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, as well as information regarding the manufacturer and model numbers for all equipment included in the rebate.
3. The cooperative reserves the right to conduct random inspections of installations.
4. Rebates must be applied for within 12 months of invoice date.
5. The member is responsible for checking with the cooperative to determine whether funding is available and to verify program parameters.
6. Project must comply with all program specific rules and qualifications.
7. The member is responsible for checking with the cooperative to determine funding availability and to verify program parameters.
8. Qualifying members must apply for rebates no later than November 17, 2017.

Variable Frequency Drives (VFDs)

1. Rebates apply to new VFD installations only. Replacement VFDs do not qualify for a rebate.
2. Rebates apply to VFDs in systems that:
 - Are tied to an automated control system
 - Have a VFD True Power Factor of .90 or greater
3. Approved application of VFDs include:
 - HVAC fans –cooling towers –industrial fans
 - pumps –process equipment
4. VFD applications not eligible for the prescriptive program (but can get evaluated under other programs):
 - Chillers – VFDs greater than 200 hp
 - refrigeration compression – Irrigation
5. Non-approved applications may be submitted for evaluation through the Custom Energy Grant® Rebate program. The VFD will be evaluated in conjunction with the equipment operating efficiency and loading. Additional applications not approved for VFD rebates include soft-start, power-factor correction or related equipment.
6. Rebates are based on the rated VFD controlled horsepower or horsepower of motor, whichever is lower.
7. ECM or DC motors with controls for speed regulation also qualify for the VFD rebate on a cumulative HP basis as long as all other requirements are met.

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Rules & Information (continued)

Fractional Horse Power Motors

1. Rebates are available for new or retrofit motor installations. Rewound or repaired motors do not qualify.
2. Retrofit motor rebates are available only if an existing fractional AC motor of comparable size is replaced. Replacement of existing ECM or brushless DC motors do not qualify.
3. Rebates apply to motors from 1/64 hp to 3/4 hp.
4. The nameplate of the new motor must clearly state the efficiency in order to qualify for rebates.
5. Motors greater than 3/4 hp must be evaluated through the Premium Efficiency Motor rebate program.
6. Motors controlled to vary speed depending on load conditions may qualify for the a variable speed rebate of \$30/cumulative HP under the VFD prescriptive rebate.

Premium Efficiency Motors

1. Rebates will apply only for retrofit of new premium efficiency motor (not rewound or repaired motors) installations only.
 - Rebates for retrofit applications are only available where a non-NEMA (National Electrical Manufacturers Association) premium efficient motor existed and a new NEMA premium motor takes its place.
2. Rebates apply to motors from 1 hp to 200 hp when they meet or exceed premium efficiency standards and offer the following features:
 - AC Polyphase induction motor
 - Squirrel cage rotor design
 - NEMA design B torque characteristics
 - Synchronous speeds of 3600, 1800, 1200 rpm
3. Motors larger than 200 hp will be evaluated through the custom energy grant.
4. The nameplate of the new motor must clearly state the NEMA nominal premium efficiency in order to qualify for rebates.

Premium Efficiency Motor Standards							
Open Drip-Proof (ODP)				Totally Enclosed Fan-Cooled (TEFC)			
HP	1200 RPM	1800 RPM	3600 RPM	HP	1200 RPM	1800 RPM	3600 RPM
1	82.5	85.5	77	1	82.5	85.5	77
1.5	86.5	86.5	84	1.5	87.5	86.5	84
2	87.5	86.5	85.5	2	88.5	86.5	85.5
3	88.5	89.5	85.5	3	89.5	89.5	86.5
5	89.5	89.5	86.5	5	89.5	89.5	88.5
7.5	90.2	91	88.5	7.5	91	91.7	89.5
10	91.7	91.7	89.5	10	91	91.7	90.2
15	91.7	93	90.2	15	91.7	92.4	91
20	92.4	93	91	20	91.7	93	91
25	93	93.6	91.7	25	93	93.6	91.7
30	93.6	94.1	91.7	30	93	93.6	91.7
40	94.1	94.1	92.4	40	94.1	94.1	92.4
50	94.1	94.5	93	50	94.1	94.5	93
60	94.5	95	93.6	60	94.5	95	93.6
75	94.5	95	93.6	75	94.5	95.4	93.6
100	95	95.4	93.6	100	95	95.4	94.1
125	95	95.4	94.1	125	95	95.4	95
150	95.4	95.8	94.1	150	95.8	95.8	95
200	95.4	95.8	95	200	95.8	96.2	95.4

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Premium Efficiency Motors

End Use	Type	RPM	Manufacturer	Model	Eff (%)	Operating Hrs	Qty	HP

Project Cost

Rebate Information

\$15 per horse power **\$0.00**

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VFDs & VSDs

Application	Manufacturer	Model	Operating Hrs	HP	Qty

Project Cost

Rebate Inforamtion

\$30 per Horse Power

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Fractional HP Motors

1/64 - 1/16 HP (11 - 48 watt) Motors - Rebate \$5/Motor							
End Use	Manufacturer & Model	Type	RPM	Eff %	Operating Hrs	Quantity	Rebate
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0

1/15 - 1/6 HP Motors - Rebate \$10/Motor							
End Use	Manufacturer & Model	Type	RPM	Eff %	Operating Hrs	Quantity	Rebate
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0

1/5 - 3/4 HP Motors - Rebate \$15/Motor							
End Use	Manufacturer & Model	Type	RPM	Eff %	Operating Hrs	Quantity	Rebate
							\$0
							\$0
							\$0
							\$0
							\$0
							\$0

* DC - brushless direct current motor, ECM - electronically commutated motor

Project Cost

Rebate Information

Rebate