



A Touchstone Energy® Cooperative 

16755 Finley Butte Rd • P.O. Box 127 • LaPine, OR 97739  
541-536-2126 • 800-722-7219 • Fax 541-536-1423

## Irrigation Rebate Program

The following information is included in this information packet:

- Irrigation Rebate Program Procedures and Requirements
- Irrigation Program Inspection Request form

Midstate Electric Cooperative continues to promote energy efficiency by offering our Irrigation members a way to update their existing irrigation systems. The Irrigation Rebate Program provides cash rebates for the installation of new energy efficient sprinkler, pivot, and motor equipment. We invite you to join us in saving energy and money by following these steps.

### Procedures

1. It is your responsibility to contact a Midstate Electric representative or qualified contractor(s) to audit or test your irrigation system and determine how to optimize your system. If the audit is performed by a qualified contractor, then a copy of the audit or test is sent to a Midstate Electric representative for review prior to installation. If the audit is performed by a Midstate Electric representative, then you will receive a copy to use for contractor bids. In both cases, a Midstate Electric representative will notify you describing the rebates you are eligible for.
2. We recommend that you get more than one bid, preferably three. Midstate Electric will retain one copy of the signed bid sheet, you will receive a copy and the qualified contractor(s) will retain a copy for their records. Also a copy of the manufacturer's specifications on the equipment will accompany the bid. It is then your responsibility to notify the contractor that you have accepted their bid.
3. Once the installation is complete, the selected contractor will submit the Irrigation Program Inspection Request form, and the final invoice to Midstate Electric. A Midstate Electric representative will then contact you to schedule an inspection.
4. Midstate Electric will perform an inspection to verify the work was completed properly. After passing the inspection, Midstate Electric will issue a check for the rebate amount to you or the selected contractor for the energy efficient equipment.

### Requirements

1. Energy efficient equipment must be new and replacing existing equipment, except for rebuilt sprinklers(8b). Pump Motors shall meet or exceed the NEMA Premium Efficiency levels and requirements in the AgSO Irrigated Agriculture Pump Motor Report.
2. The installation shall meet Midstate Electric Cooperative and BPA AgSO Program requirements and specifications. The installation shall meet all State and Local code and Manufactures' requirements.



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## Irrigation Program Inspection Request Form

Member's name: \_\_\_\_\_

Address of installation: \_\_\_\_\_

Mailing address, if different: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_ Zip Code: \_\_\_\_\_ Phone #: \_\_\_\_\_

Installer: \_\_\_\_\_

Installer's business address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_ Zip Code: \_\_\_\_\_ Phone # \_\_\_\_\_

Please supply the following:

- Attached photo of existing system or motor
- Attached AgSO Irrigated Agriculture Schedule is complete

Brief Description of Project: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Installer's Signature \_\_\_\_\_ Date \_\_\_\_\_

Notify Midstate Electric Cooperative, Inc., that the installation of the item above is complete and ready for inspection.

- \_\_\_ Rebate customer (installer invoiced customer for full amount)
- \_\_\_ Rebate installer as per attached invoice (installer already rebated customer)

I am satisfied with the installation and authorize Midstate Electric to make payment.

Member's Signature \_\_\_\_\_ Date \_\_\_\_\_

Inspected By \_\_\_\_\_ Date \_\_\_\_\_

## Irrigated Agriculture Pump Motor Schedule

Title: \_\_\_\_\_

Project #: \_\_\_\_\_

Address: \_\_\_\_\_

Invoice #: \_\_\_\_\_

### Requirements and Specifications

The motor must be new (and replace an older rewind motor), open drip proof or totally enclosed, fan cooled, operate at 1,200 or 1,800 rotations per minute, use three-phase alternating current induction, be 5-500 horsepower (hp), be National Electrical Manufacturers Association (NEMA) design A, B, or C and meet or exceed the NEMA premium efficiency standard shown in the tables below in the reimbursement section. Other motors qualify only as custom projects.

### Additional Documentation Requirements

Customer must retain a specification sheet or model number if installed equipment.

### Reimbursement

Horsepower	NEMA Premium Efficiency		Est. kWh/yr Savings (busbar)		Rebate Per Unit
	600v-5,000v	under 600v	600v-5,000v	under 600v	
5	n/a	89.5%	n/a	352	\$75.00
7.5	n/a	91.0%	n/a	569	\$112.50
10	n/a	91.7%	n/a	726	\$150.00
15	n/a	92.4%	n/a	829	\$225.00
20	n/a	93.0%	n/a	1,084	\$300.00
25	n/a	93.6%	n/a	1,518	\$375.00
30	n/a	93.6%	n/a	2,290	\$450.00
40	n/a	94.1%	n/a	3,053	\$525.00
50	n/a	95.0%	n/a	4,134	\$170.00
60	n/a	95.0%	n/a	5,247	\$900.00
75	n/a	95.4%	n/a	6,559	\$1,125.00
100	n/a	95.4%	n/a	8,586	\$1,500.00
125	n/a	95.8%	n/a	10,137	\$1,875.00
150	n/a	95.8%	n/a	11,926	\$2,250.00
200	95.0%	95.8%	n/a	15,265	\$3,000.00
250	95.0%	95.8%	19,081	19,081	\$3,750.00
300	95.0%	95.8%	22,897	22,897	\$4,500.00
350	95.0%	95.8%	26,713	26,713	\$5,250.00

# Irrigated Agriculture Sprinkler Schedule

Title: \_\_\_\_\_

Project #: \_\_\_\_\_

Address: \_\_\_\_\_

Invoice #: \_\_\_\_\_

Sprinkler Equipment	Rebate	Est.kwh/yr. savings (bus bar)
New flow controlling type nozzle for impact sprinklers	\$4.00/nozzle (1)	27
Rebuilt or new impact sprinklers	\$3.75/sprinkler (1)	27
New nozzle for impact sprinklers replacing existing worn nozzle of same flow rate or less (2)	\$1.50/nozzle (1)	37
New rotating type sprinklers that replace impact sprinklers (Entire pivot (2) must be upgraded, and flow may not increase)	\$4.00/sprinkler (1)	24
New gasket for wheel-lines, hand lines or portable main line	\$2.75/gasket	32
New low-pressure regulators (Entire pivot (3) must be upgraded)	\$5.00/regulator (1)	37
New rotating type sprinklers that replace low-pressure sprinklers (Entire pivot (3) must be upgraded, and flow may not be increased)(4)	\$4.00/sprinkler (1)	24
New multiple configuration nozzles for low-pressure pivot (3) sprinklers	\$3.00/sprinkler(1)	48
New multi-trajectory sprays that replace impact sprinklers (Entire pivot (3) must be upgraded, and flow may not be increased)	\$4.00/sprinkler (1)	36
New multi-trajectory sprays that replace low pressure sprinklers (Entire pivot (3) must be upgraded, and flow may not be increased)	\$1.00/sprinkler(1)	12
New drain gaskets for wheel lines, hand lines, or pivots (3) (Entire line must be upgraded)	\$1.00/drain	22
New hubs for wheel lines(Entire wheel line must be upgraded)	\$14.50/hub	63
New goose-neck elbow for new drop tubes	\$1.65/goose-neck	7
New drop tube for low pressure pivot(3) sprinklers (Minimum three foot length)	\$3.00/drop tube	7
New center pivot base boot gasket	\$175.00/pivot	1367
Cut and pipe press repair of leaking hand lines,, wheel lines, and portable main line	\$10.00/pipe section	44
Rebuilt or new wheel line leveler (self leveler which automatically keeps the sprinkler heads on an irrigation wheel line in a steady upright position)	\$0.75/leveler	2

(1) Rebate is limited to two units per acre for solid set sprinklers.

(2) The division of the equipment to sprinkler and nozzle allows the nozzle to be replaced separately from the sprinkler.

(3) Lateral moves are also included.

(4) The separation of the equipment allows upgrade of the regulators if new rotating sprinklers are already in place or the installation of new rotating sprinklers if low-flow regulators are already in place.

## REQUIREMENTS FOR MEASURES

- (a) **New Flow Controlling Type Nozzle for Impact Sprinklers**  
The existing sprinkler nozzles shall be a fixed orifice or a flow control type nozzle. The new flow controlling type nozzle shall have a flow rating rated equal to or less than the flow rating of the existing sprinkler nozzle at 40 PSI.
- (b) **Rebuilt or New Brass Sprinklers**  
Existing worn out brass impact sprinklers shall be rebuilt or replaced with new brass impact sprinklers. The rebuild of an existing brass impact sprinkler shall be performed by an established repair shop and meet or exceed manufacturers' specifications. Sprinklers shall be installed on a wheel line or hand line to be eligible for reimbursement.
- (c) **New Rotating Type Sprinkler Replacing Impact Sprinklers**  
New rotating type sprinklers must replace existing impact sprinklers. Sprinklers shall be installed on a wheel line, hand line, or a center pivot to be eligible for reimbursement. The flow rating at 50 PSI of the new sprinkler must be equal to or less than the flow rating of the existing sprinkler nozzle.
- (d) **New Gasket for Wheel-Lines or Hand-Lines**  
Installed gaskets are eligible for reimbursement when an entire wheel- or hand-line's gaskets are replaced. Leaking mainline riser cap gaskets or portable mainline section gaskets are also eligible for reimbursement when replaced.
- (e) **New Low-Pressure Regulators with Pivot Sprinklers**  
New low-pressure regulators coupled with a low-pressure rotating or wobbling type sprinklers shall replace existing pivot sprinklers. In order to be eligible, all the existing sprinklers on a center pivot must be replaced with low-pressure regulators and low-pressure sprinklers. If additional sprinklers are required due to sprinkler spacing, then these additional sprinklers also qualify. Only one low-pressure regulator coupled to one low-pressure sprinkler shall be claimed per center pivot drop tube. The flow rating at 30 PSI of the new sprinkler package must be rated equal to or less than flow rating of the existing sprinkler. Sprinklers that operate only in a spray type configuration are not eligible.
- (f) **New Multiple Configuration Nozzles for Low-Pressure Pivot Sprinklers**  
These multiple configuration nozzles are eligible for reimbursement only when installed on low-pressure sprinklers on center pivots. The flow rating at 30 PSI of the one nozzle configuration must be equal to 80 percent or lower than the flow rating of the other sprinkler nozzle. Sprinklers that operate only in a spray type configuration are not eligible.
- (g) **New "Goose Neck" Elbows for New Drop Tubes**  
New gooseneck elbows shall be installed on center pivots for low-pressure sprinkler applications. To be eligible, the existing center pivot shall have sprinkler equipment mounted on top of the pivot and then be converted to low-pressure rotating or wobbling type sprinklers with low-pressure regulators on new drop tubes.
- (h) **New Drop Tubes for Low-Pressure Pivot Sprinklers**  
To be eligible for reimbursement, new drop tubes for low-pressure sprinklers shall be installed on center pivots. The length of the drop tube can vary, but must extend below the pivot tower brace. Hose extensions for existing drop tubes are also eligible. The new drop tube, or hose extension, shall be a minimum of 3 feet in length.
- (i) **Pivot Boot Gaskets**  
BPA will provide reimbursements for replacement of leaking center pivot boot gaskets. New center pivot boot gaskets shall be installed at the pivot point of the center pivot.
- (j) **Pump Motors**  
Pump motors shall be vertical shaft motors that meet or exceed the NEMA Premium Efficiency levels shown in the AgSO Irrigated Agriculture Pump Motor Schedule and shall be new three phase alternating current motors of NEMA design A, B or C. Pump motors may be Open Drip Proof (ODP) or Totally Enclosed Fan Cooled (TEFC).