



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). Rebate amounts awarded will not exceed 70 percent of total project cost. 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 Manufacturers' 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 _____

AgSO – Irrigated Agriculture Sprinkler Schedule



Title: _____	Project #: _____
Address: _____	Invoice #: _____

Category	Measure Description	Reimbursement per Unit	Est. Savings Per Unit	Number of Units	Total Savings by Measure	Total \$ by Measure
	Sprinkler Equipment Reimbursement	a.	b.	c.	(b*c)	(a*c)
<i>Sprinklers</i>	1. New flow controlling type nozzle for impact sprinklers.	\$3.00	20 kWh/yr			
	2. Rebuilt or new brass sprinklers.	\$4.00	40 kWh/yr			
	3. New rotating type sprinkler replacing impact sprinklers.	\$3.00	40 kWh/yr			
	4. New gasket for wheel-lines, hand-lines or the mainline.	\$1.00	30 kWh/yr			
	5. New low-pressure regulators with pivot sprinklers (entire pivot must be upgraded).	\$6.00	40 kWh/yr			
	6. New multiple configuration nozzles for low-pressure pivot sprinklers.	\$2.00	20 kWh/yr			
	7. New "goose neck" elbow for new drop tubes.	\$1.00	20 kWh/yr			
	8. New drop tube for low-pressure pivot sprinklers (min. 3 feet length).	\$3.00	20 kWh/yr			
	9. New Center Pivot Boot Gasket	\$125	853 kWh/yr			

A. Reimbursement Total: _____

B. Energy Savings (kWh/yr): _____

Useful Information

- | | | |
|---|----------|--|
| 1. Has the installed equipment met the Project requirements and specifications? | (Yes/No) | |
| 2. Are the Measures listed properly installed and operating? | (Yes/No) | |
| 3. Have invoices been labeled with the unique identifying number from the RTF reporting system? | (Yes/No) | |
| 4. What is the Annual kWh usage of participating irrigation system(s)? | (kWh/yr) | |
| 5. What is the total acreage under irrigation and reflected in kWh usage above? | (acres) | |
| 6. What is the acreage covered by new sprinklers? | (acres) | |
| 7. What is the estimated pressure at first sprinkler or at center pivot? | (PSI) | |

AgSO – Irrigated Agriculture Pump Motor Schedule

Title: _____	Project #: _____
Address: _____	Invoice #: _____

Category	Measure Description	NEMA Premium Efficiency	Reimbursement Per Unit	Est. Savings Per Unit (kWh/yr)	No. of Units	Total Savings for Measures	Total \$ for Measures
	Pump Motor Reimbursement	a.	b.	c.	d.	(c*d)	(b*d)
<i>Motors</i>	25 horsepower	94.5%	\$300	2,400			
	30 horsepower	94.5%	\$310	2,526			
	35 horsepower	94.5%	\$325	2,688			
	40 horsepower	94.5%	\$370	3,072			
	50 horsepower	95.0%	\$500	4,210			
	60 horsepower	95.0%	\$585	4,874			
	75 horsepower	95.0%	\$730	6,093			
	100 horsepower	95.4%	\$975	7,976			
	125 horsepower	95.4%	\$1,130	9,416			
	150 horsepower	95.8%	\$1,330	11,078			
	200 horsepower	95.8%	\$1,700	14,180			
	250 horsepower	95.8%	\$2,130	17,725			
	300 horsepower	95.8%	\$2,550	21,270			
	350 horsepower	95.8%	\$2,980	24,815			
	400 horsepower	96.2%	\$3,690	30,723			
450 horsepower	96.2%	\$4,150	34,564				
500 horsepower	96.2%	\$4,600	38,404				

A. Reimbursement Item Total (\$):	
B. Total Project Cost:	
C. 70% of Project Cost:	
D. Lower of "A" or "C" above	

Energy Savings (kWh/yr):

Useful Information

- | | | |
|---|----------|--|
| 1. Has the installed equipment met the program requirements and specifications? | (Yes/No) | |
| 2. Are the Measures above properly installed and operating? | (Yes/No) | |
| 3. Have invoices been labeled with the unique identifying number from the RTF reporting system? | (Yes/No) | |

Completed By: _____ Date: _____

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 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 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).