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Wasco Electric Cooperative Sprinkler Measures Program Requirements

Effective October 1, 2010 the reimbursement for some equipment may decrease or be removed.

Wasco Electric's reimbursements for sprinkler measures are shown in Table 1, on page 5.

ELIGIBILITY:

1. Must be irrigated with electric motor served by Wasco Electric.
2. Must be a moving type irrigation system. Solid sets are not eligible.
3. Irrigator shall verify that all measures submitted for reimbursement have been installed, are operating correctly, and meet the specifications for the measure installed.
4. Wasco Electric shall complete, sign and date a copy of a BPA report for the sprinkler measures installed. Copies of invoice(s) from equipment supplier(s) shall be attached to the report along with other required information. *The receipt must list the brand, model number, and quantities of eligible equipment, plus installation and labor, if applicable. Note: Rebate levels will not exceed the actual installed cost of the measure.*
5. Wasco Electric shall retain all supporting documents for each project that includes, but is not limited to, purchase orders, invoices, subcontractor invoices, pre-project estimates, or other related project documents. BPA may review these records and conduct oversight inspections.

MEASURES:

1. **New Flow Controlling Type Nozzle for Impact Sprinklers.**
The existing sprinkler nozzles can be fixed orifice or flow control type nozzles. The new flow controlling type nozzle must have a flow rating equal to or less than the flow rating of the existing sprinkler nozzle at 40 per square inch (PSI).
2. **Rebuilt or New Brass Sprinklers.**
Existing worn out brass impact sprinklers can be rebuilt or replaced with new brass impact sprinklers. The rebuild must be performed by an established repair shop and meet or exceed manufacturers' specifications. Eligible sprinklers can be installed on a wheel line or hand line. New nozzles shall be installed prior to installation of the brass sprinkler; however, if a new flow controlling type nozzle is installed, then that nozzle may be eligible for a rebate.
3. **New Rotating Type Sprinkler Replacing Impact Sprinklers.**
New rotating type sprinklers must replace existing impact sprinklers. Eligible sprinklers may be installed on a wheel line, a hand line, or a center pivot. 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.
4. **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.

- 5. New Low-Pressure Regulators and/or Pivot Sprinklers.**

New low-pressure regulators and/or new low-pressure rotating or wobbling-type sprinklers must replace existing pivot sprinklers. In order to be eligible, all the existing sprinklers and/or regulators on a center pivot must be replaced. 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 can 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 package.
- 6. New Multiple Configuration Nozzles for Low-Pressure Pivot Sprinklers.**

These multiple configuration nozzles shall be for installation on low-pressure sprinklers for center pivots. The intent is that the flow rate can be changed once for planting and again when the crop canopy emerges. 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.
- 7. New Multi-trajectory Sprays to Replace Impact Sprinklers.**

Qualifying multi-trajectory spray has multiple height ridges to vary the spray pattern to reduce runoff. All impact sprinklers on center pivot or lateral move system shall be replaced. Flow may not be increased.
- 8. New Multi-trajectory Sprays to Replace Low Pressure Impact Sprinklers.**

Qualifying multi-trajectory spray has multiple height ridges to vary the spray pattern to reduce runoff. All low pressure sprinklers on center pivot or lateral move system shall be replaced. Flow may not be increased.
- 9. New Drains for Wheel-lines, Hand-lines or Center Pivot Systems.**

All drains on the wheel-line or hand-line shall be replaced.
- 10. New Hubs for Wheel-lines.**

All hubs on the wheel-line shall be replaced.
- 11. New Gooseneck 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 would have sprinkler equipment mounted on top of the pivot and then converted to low-pressure rotating or wobbling-type or multi-trajectory spray sprinklers with low-pressure regulators on new drop tubes.
- 12. New Drop Tubes for Low-Pressure Pivot Sprinklers.**

New drop tubes for low-pressure sprinklers shall be for applications on center pivots. The length of the drop tube can vary, but must extend below the pivot tower brace. Hose extensions for drop tubes are also eligible. The new drop tube, or hose extension, shall add a minimum of three (3) feet of length.
- 13. New Center Pivot Boot Gasket to Replace Leaking Gasket.**

Gasket(s) shall be installed at the pivot point of the center pivot. No more than one gasket shall be claimed per center pivot.
- 14. Cut and Pipe Press Repair of Leaking Hand Lines, Wheel Lines and Portable Mainline.**

Repair must be performed by a repair shop that can provide an invoice showing the number of pipes repaired.

Wasco Electric Irrigated Agriculture Rebate

Farm Name:		Cust. #		Phone #	
Farm Address:				Contact Name:	

Measure Description		Rebate Per Unit	Est. Savings Per Unit	Number of Units	Total Savings by Measure	Total Rebate by Measure
A Sprinkler Equipment Rebates		a.	b.	c.	(b*c)	(a*c)
<i>Replacement sprinklers are eligible for retrofits identified by utility staff, the consumer, the irrigation equipment dealer, or through pump testing and system evaluation. The new sprinkler nozzle flow rate must be the same or lower than those replaced.</i>						
1	New flow controlling type nozzle for impact sprinklers.	\$4.00	27 kWh/yr		0	\$0.00
2a	Rebuilt or new brass sprinklers.	\$3.75	27 kWh/yr		0	\$0.00
2b	New nozzle replacing existing worn of same flow rate or less.	\$1.50	37 kWh/yr		0	\$0.00
3	New rotating type sprinkler replacing impact sprinklers.	\$4.00	24 kWh/yr		0	\$0.00
4	New gasket for wheel lines, hand lines and portable main line	\$2.75	22 kWh/yr		0	\$0.00
5a	New low-pressure regulators	\$5.00	37 kWh/yr		0	\$0.00
5b	New rotating sprinklers replacing low pressure sprinklers.	\$4.00	24 kWh/yr		0	\$0.00
6	New multiple configuration nozzles for low-pressure pivot sprinklers.	\$3.00	48 kWh/yr		0	\$0.00
7	New multi-trajectory sprays that replace impact sprinklers	\$4.00	36 kWh/yr		0	\$0.00
8	New multi-trajectory sprays that replace low pressure sprinklers	\$1.00	12 kWh/yr		0	\$0.00
9	New drains for wheel lines	\$1.00	22 kWh/yr		0	\$0.00
10	New hugs for wheel lines	\$14.50	63 kWh/yr		0	\$0.00
11	New "goose neck" elbow for new drop tubes.	\$1.65	7 kWh/yr		0	\$0.00
12	New drop tubes for low-pressure pivot sprinklers (min. 3 ft. length)	\$3.00	7 kWh/yr		0	\$0.00
13	New center pivot base boot gasket.	\$175.00	1367 kWh/yr		0	\$0.00
14	Cut and pipe press repair of leaking hand lines, wheel lines, and portable mainline (per section)	\$10.00	44 kWh/yr		0	\$0.00
15	Rebuilt or new wheel-line leveler (self leveler which automatically keeps the sprinkler head in an upright position)	\$0.75	2 kWh/yr		0	\$0.00
A. Rebate Item Total (\$):						\$0.00
B. 10% of "A" above:						\$0.00
C. Customer Rebate (A plus B)						\$0.00
D. Energy Savings (kWh/yr)						0

Required Information

1	The installed equipment meets the program requirements and specifications.	(Yes / No)	
2	The rebate items listed have been installed and are operational.	(Yes / No)	
3	Copies of invoice(s) from equipment supplier(s) are attached.	(Yes / No)	
4	Annual kWh usage of participating irrigation systems(s).	(kWh/yr)	
5	Total acreage under irrigation and reflected in kWh usage above.	(acres)	
6	Acreage covered by new sprinklers.	(acres)	
7	Estimated pressure at first sprinkler or at center pivot.	(PSI)	

Submitted by: _____

Date: _____

