
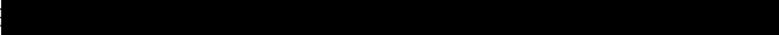


# Wasco County SWCD Cost Share Program Application

ATTENTION: It is the responsibility of the applicant/landowner to obtain any required permits for the project being cost shared. If you need assistance contact the SWCD office.

Applicant Name John Dillon

Address 

Phone & Email 

**PROJECT DESCRIPTION** Please include a detailed map of the project area, photos and budget to summarize expenses.

12 Digit HUC: 1707010503 SWCD LRP Priority Ranking#

NRCS Practice Code: 443 NRCS Practice: Irrigation System

Is this project Ag Water Quality Related? Yes ODA Management Area: LD

Is this project part of a Farm Bill program or receiving any other Cost Share? YES or NO

1. Project Proposal – Please describe the resource concern, what will be done & who will do the work. *(additional space on reverse side if needed)*

This landowner proposes to install a center pivot irrigation system that will service 17.82 acres of a 20.8-acre alfalfa field. The landowner has committed to providing infrastructure components, including the buried mainline, the concrete pad for the pivot tower, and all necessary electrical connections. Kerns Brothers LLC, is the contractor providing installation and all materials for the irrigation system that will be complete with the LESA sprinkler nozzles. A primary resource concern this project addresses is water use efficiency. The current irrigation system is one wheel line that is connected with handline in the longer areas of the field. Hand line and wheel line systems result in significant water loss through evaporation, and uneven water distribution. Estimated total water savings from converting from handline/wheel line to pivot is over 20%. See attached water savings estimator.

2. Describe how this project will address the resource concern or provide an overall benefit that this project will provide to the watershed.

The implementation of a center pivot irrigation system will address multiple watershed resource concerns while providing substantial benefits. This technology significantly enhances water conservation through uniform application, precise control, and reduced runoff, ultimately decreasing overall water withdrawal in an over allocated 15 mile creek watershed.

Estimated Total Cost: \$ 55,000.00  
Amount Requested: \$ 7,500.00  
(50%, UP TO \$7,500) Budget space is provided on reverse side

Project Start Date: April 2025  
Completion Date: April 2026

Print John Dillon Sign \_\_\_\_\_  
Applicant

Landowner Signature (if different than the applicant) \_\_\_\_\_ Date \_\_\_\_\_

THIS SECTION TO BE COMPLETED BY SWCD STAFF

Staff Review mgr tech adm **Recommend:** Fund Not Fund **Board Action:** Approved / Denied

This Customer Irrigation System Proposal is presented to (Customer) by KERNs BROTHERS LLC (Dealer) and the prices quoted herein shall be effective as of January 16, 2025.

**Customer Information**

Legal: N/A  
 83227 DUFUR VALLEY RD  
 N/A, DUFUR, OR 97021,  
 USAN/A  
 N/A  
 Center Pivot 1 (Field 1)

**Dealer Information**

PO#:  
  
 KERNs BROTHERS LLC  
 76944 TOWER ROAD  
 BOARDMAN, OR 97818, USA  
 541 969 1708



**System Information**

<b>System Type:</b>	<b>Center Pivot</b>	<b>Model:</b>	<b>E2065-G LP / 40 "</b>
System GPM:	146.6 GPM	System Length:	427 '
Max. System GPM:	149.1 GPM	Min. System GPM:	112.0 GPM
Elevation:	0 '	System Area:	13.3 acres
Top of Inlet Pressure:	40.2 PSI	End Gun Area:	2.42 acres
End Pressure:	40.0 PSI	Total Area:	17.82 acres
Hours to Apply 1":	55.0 Hours		

**Span Information**

No.	Type	Length	Ext. Spacing	Wheel Trk	Tire Size	Recaps	PSI Loss	Cable
1	E2065	137 '	N 40 "	139 '	11 x 22.5-G	Recaps	0.1	10C/#12/0 s
2	E2065	137 '	N 40 "	276 '	11 x 22.5-G	Recaps	0.1	10C/#12/0 s
3	E2065	137 '	N 40 "	413 '	11 x 22.5-G	Recaps	0.0	10C/#12/0 s
EB	E2060	13 '	N 40 "	427 '			0.0	

**System Components**

Qty	Description
1	▲ PIVOT CENTER, GALVANIZED, LOW PROFILE
1	▲ JOINT PIVOT E2065
1	▲ MOUNTS-MCP LOW PROFILE PVT CTR
1	▲ ANCHOR BLT PK-NT-E88/65/A4/SUG
1	▲ FUSE OPTION 20 AMP-MCP
1	▲ LIGHTNING ARRESTOR UL LISTED
1	▲ COLLECTOR REEL-10 RING
1	▲ WIRE-MCP #12-11'-LOW PRO PVT
1	▲ CAM WHEEL SWITCH MOUNT ASSEMBLY
1	▲ EN MANUAL OPR-PVT/SAC W/ADV+
3	▲ SPANS, 137', 6 5/8" DIA., GALVANIZED PIPE, 40" OUTLET SPACING
2	▲ JOINT SPAN E2065
3	▲ CONDUIT CLIP CPLRS 137'-LEPA
1	▲ SPAN CABLE/12-137' PVT SPAN-E
2	▲ SPAN CBL/12-137' INT/END SPN-E
1	▲ LAST TWR TOP E2065
1	▲ SIGN-W/BRACKET REINKE
1	▲ END BOOM, 13', GALVANIZED PIPE
1	▲ CONDUIT CLIP CPLRS 13' EB LEPA
3	▲ TOWER ASSEMBLY, HEAVY DUTY, GALVANIZED, LOW PROFILE
3	▲ C-X COUPLER/TWR-NT-LP-EII
3	▲ HELICAL CENTER DRIVE-STD SPEED-LP-EII
1	▲ TOWER BOX-A-E60-US MOTOR
1	▲ TOWER BOX-B-E60-US MOTOR
1	▲ TOWER BOX-C-E60-US MOTOR
1	▲ INSTALL-DOC WARR US/CANADA
1	▲ WATER PRESSURE GAUGE 0-100#
59	▲ NELSON O3030 STD BLACK W/WT
2	▲ PIPE JNT COMPOUND 4 OZ TRU-BLU

**Standard System: \$30,067.40**

**Upgrades**

Qty	Description
1	▲ GASKET 8 INCH PIVOT TRIPLE LIP
1	▲ MCP-RPM ADV + 4.3"
3	▲ TIRE OPTION, 11 X 22.5 RECAP TIRES-TUBELESS, GALVANIZED WHEELS, 1 FORWARD, 1 REVERSED
3	▲ REINKE GEAR 1016-NON TOW

**Options**

Qty	Description
1	▲ BOTTOM ELBOW-8 TO 6 5/8" REDUCING-SAE
1	▲ UL CERTIFICATION-MCP
1	▲ LARGE SERVICE WIRE ADAPTER
1	▲ END GUN, NELSON SR75
1	▲ REINKE VALVE FOR USE W/BP
1	▲ ELECT END GUN SW ASY-STD PIVOT
1	▲ END GUN TUBING KIT-13 FT EB
1	▲ BOOSTER PUMP, END GUN, 2 HP
1	▲ BOX-CTRL 2HP BP PS
1	▲ LIGHT ASSEMBLY, PIVOT CENTER, STANDARD
59	▲ NELSON ALLFLO 10# FXST
59	▲ GOOSENECK-3/4MNPTX3/4B-SGL-180
59	▲ ADAPTER-MALE X HOSE BARB-GRAY
118	▲ SCREW CLAMP FOR 3/4" IPS HOSE
2	▲ HOSE-3/4 PVC IPS 250' BLUE

**Investment**

Customer Price	\$36,553.23
Installation	Included
Freight	Included
+ Pivot Pad	Included
Miscellaneous Items	\$0.00
<b>Price</b>	<b>\$49,354.23</b>
- Trade-In	\$0.00
Sub-Total	\$49,354.23
Sales Tax (%)	\$0.00
<b>Total Price</b>	<b>\$49,354.23</b>
Down Payment	\$4,935.42
Due on Delivery	\$39,483.39
Due on Installation	\$4,935.42

J. Dillon – Irrigation Upgrades

Before Photos





