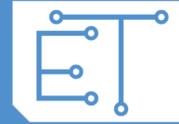


Irrigation Center Pivot Assessment

ET Field Assessment

Project Information Form



BPA is gathering information to investigate the age and operating condition of existing center pivot irrigation sprinkler systems, including, sprinklers and control panels. BPA will use the information on the form to assess the potential energy saving of future irrigation upgrades. Thank you for completing this form as best as you can. When complete submit it to the serving electric utility.

A. FARM AND SITE INFORMATION

Farm Name	State
Mailing Address	Zip
Farm location address (if different from above)	
Serving electric utility	
Meter or account number of primary pumping plant	

B. PUMPING SYSTEM INFORMATION – Complete for each irrigation system

What is the elevation of primary pumping plant in feet?	Ft
What is total horse power (HP) of primary pumping plant?	HP
Is there a variable frequency drive or other VFD on one or more of the primary pumps?	Ft.
What is primary pumping plant lift measured in feet?	Ft.
What is the primary pumping plant discharge pressure measured in PSI?	PSI
Are there any other energy/water saving opportunities or recommendations?	

C. IRRIGATION SYSTEM INFORMATION – Complete for each center pivot

Pivot Identification (number or description)	
Pivot irrigation system size (acres)	
Acres under pivot or lateral move converted to LEPA/LESA/MDI	
Elevation of pivot (list all with number and elevation)	
Measured or rated sprinkler package flow of pivot (g.p.m.)	GPM
Estimated age of pivot control panel (year installed)	
Brand and model number of pivot control panel(s)	
Crop in the field (2017)	
Any observed leaks (pivot point, span gaskets, outlets, drains)?	
What is terrain under the pivot like? (E.g. rolling, flat, etc.)	
Age and type of sprinkler package include estimated year installed, manufacturer, type of irrigation method (e.g. 10 yrs., Nelson Rotator, 6ft)	
Measured or observed pressure at pivot point (PSI)	PSI
What is the pressure required for pivot? (PSI)	PSI
Estimated flow of end gun/impacts (enter 0 if none)	
If there is an end gun, is there a booster pump?	
Are there any other energy/water saving opportunities or comments?	

D. ANNUAL ENERGY USE

Utility can complete this section.

	2013	2014	2015	2016
Primary pumping plant				
Booster pumps				
Crop in the field (e.g. 120 Acres corn)				

E. CERTIFICATION

Pivot Evaluation Company Name	Contact Person
By signing this form, I confirm that the above information is correct to the best of my knowledge.	