

5.1 Technical Specification: Adjustable Flow Irrigation Pumping

Small Premium Project Type:

Agricultural: Irrigation pump improvements using a new variable frequency drives (VFD) designed to operate alternating current pump motors of a given size range. Pump motor nominal horsepower must be a minimum of 10 horsepower and a maximum of 125 horsepower.

Description:

Qualifying projects must add VFD to an irrigation pump that will be used for the full irrigation season. The pump shall be a minimum of 10 horsepower and a maximum of 125 horsepower.

Minimum Operation:

Pumps must operate for the full irrigation season or a minimum of 1,200 hours per year.

Equipment Type, Capacity and Performance:

VFD must be appropriate for the motor/pump size and currently commercially available. VFD must allow motor speeds claimed in energy savings calculations. VFD performance capacity must match the motor(s) size to be driven.

Incentive Estimate Worksheet:

The incentive worksheets shown in the following schedules are the prescribed tax credit amounts that small premium projects can receive for adjustable flow irrigation pumping.

A	B	C	D	E	F
Make	Model	Horsepower	Quantity	Incentive Rate \$/horsepower	Incentive Amount (\$) D X (\$1,400+(C X \$35))
				\$1,400 per unit, plus \$35.00 per horsepower	
Total of Column F					