

**Table 4**  
**Preliminary Cost Estimate for Large-Scale Irrigation Project**

<b>HYPOTHETICAL PROJECT - SOUTH BANK (new 250-foot well, 50 to 70 gpm solar pump with 1,400 W solar array)</b>		
Install New Well	\$ 70,000	Well with 8-inch screen/casing (250 feet-bgs / screen interval at 175 to 220 feet-bgs), development and pumping test
Solar Pump	\$ 2,200	Grundfos 4-inch SQFlex 40 SQF-5 (120 VDC / 1400 W solar array needed)
Solar array	\$ 12,200	18 Grundfos GF80 panels (80W)
	\$ 200	Array to controller wire kit, array to array wire kit
	\$ 100	IO-50 control panel for solar only
	\$ 2,000	Fixed solar rack - two 8-panel ground mount support
Estimated Total Cost	\$ 86,700	

**Table 5**  
**Preliminary Cost Estimate for Small-Scale Irrigation Project**

<b>HYPOTHETICAL PROJECT - NORTH BANK (10-gpm solar pump with 240 W solar array)</b>		
Solar Pump	\$ 2,100	Grundfos 3-inch SQFlex 11 SQF-2 (120 VDC / 240 W solar array needed)
Solar array	\$ 2,100	3 Grundfos GF80 panels (80W)
	\$ 100	Array to controller wire kit, array to array wire kit
	\$ 100	IO-50 control panel for solar only
	\$ 600	Fixed solar rack - 3-panel ground mount support
Estimated Total Cost	\$ 5,000	