



Solar Powered Stock Well Water Pumping Program Design Questionnaire

Name: _____
Address: _____
Zip Code: _____
Phone: _____

Member Number: _____
City/State: _____
Email: _____
Cell: _____

Design Questions

1. Water Well geographical location (legal description, etc)? _____

2. What will the water be used for (livestock, etc)? _____
3. Total Well Depth (from ground level to bottom of well)? _____
4. Static water level (depth from ground level to water level in well)? _____
This is the depth of the water in the well when no water is being extracted from the well.
5. Draw down level (depth water draws down when well is in use)? _____
This is the depth to which the water drops when a pump is operated.
6. What is the horizontal difference from well head to water discharge? _____
If water discharge point is some distance from the well, please enter the horizontal pipe length from the water well to the discharge point.
7. What is the vertical distance from the well head to water discharge? _____
If there is any additional lift above the well head to the discharge point, please indicate this additional vertical lift.
8. Water well casing inside diameter _____
9. What is the well recharge rate in gallons per minute? _____
The rate at which the well is replenished when a pump draws water from it. Removing water from the well faster than the recharge rate can pump it dry.
10. How many gallons per day (GPD) do you require? _____
Example: Cow/calf pair 15-30 GPD; Horse/dry cow/beef animal 10-20 GPD; Sheep 2 GPD
11. Is the water usage seasonal? _____
If so, specify which months _____
12. Is a water storage tank or other means of storage available at the site? _____
13. Is the site serviced with utility power? _____
14. Do you have clear unobstructed sunlight available at the well all day? _____
15. Please provide any additional comments: