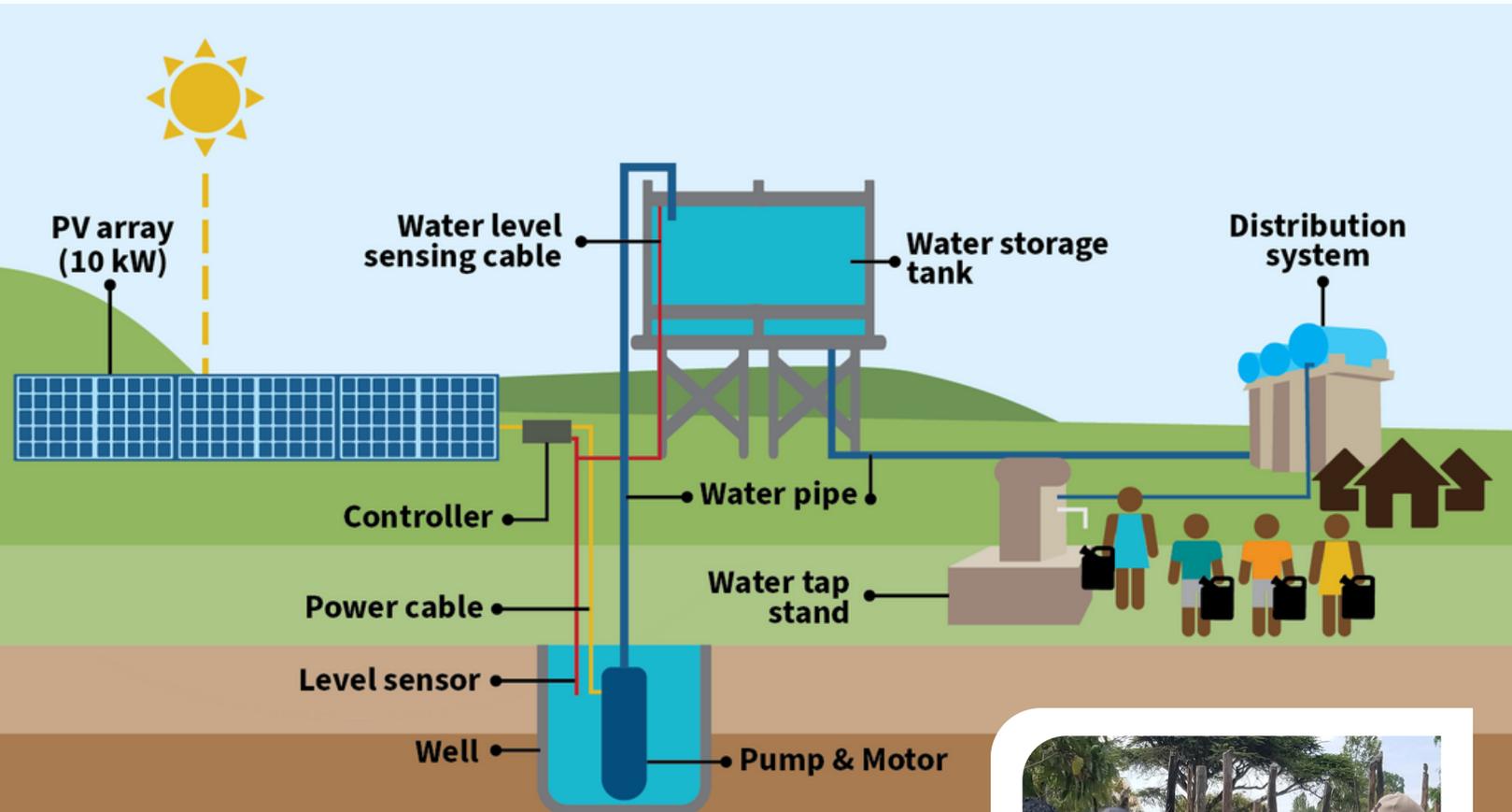


# SOLARIZING COMMUNITY WATER PUMPS



## HOW DOES A SOLAR PUMP WORK?



Solar panels capture energy from the sun and convert it into electrical energy, which is sent to a controller.



The controller regulates the amount of electricity sent to the pump to ensure it operates efficiently and doesn't overload.



Solar panels are paired with a high-efficiency water pump.



## ARE SOLAR PUMPS RELIABLE?

- Solar panels are warranted for 25 years.
- Solar pumps do not need fuel, require very little maintenance, and generate no air pollution.



Winrock’s Solarizing Community Water Pumps project is giving communities a new option for solarizing existing diesel pumps without depending on grant funding. Under Winrock’s model, a local private solar vendor covers the costs of installing the solar pump and gets paid back by the community over time. The terms of agreement are spelled out in a three-way Memorandum of Understanding (MoU) between the Woreda, the community water committee, and the private solar vendor. Winrock’s role is to facilitate financing for the private solar vendors to reduce the risk of their investment, and oversee the solar pump technical design and installations. Winrock’s partner, the Tufts University Climate Policy Lab, will conduct household and focus group surveys to assess community satisfaction with the solar pumps.

