

## Water Supply Well

### Definition/Purpose

A well means constructing a drilled, driven or dug well to supply water from an underground source for irrigation including chemigation and fertigation, livestock and poultry, aquaculture, freeze protection, or on-farm processing.

### Policies

1. Pumps, solar pumps, and wells must have a qualifying statement that they will be used for agricultural use only.
2. Installation of the well must include wellhead protection. The following measures should be taken where applicable:
  - Divert all surface runoff, precipitation, and drainage away from the wellhead.
  - Protect the wellhead and associated appurtenances from contamination or damage by wildlife, livestock, farm machinery, vehicle parking, or other harmful human activity.
3. An adequate covering over the well head and pressure tank must be installed to prevent freezing.
4. Cost share for pumps for wells includes all costs associated with installation including the cost of getting electricity to the pump and is based on actual cost.
5. The solar powered pump installation is limited to sites where there are site constraints or it is cost prohibitive to provide electricity to the pump. The pump cost includes a submersible pump, photovoltaic panels, control box, support structure, pump cable, drop pipe, and fittings to make up plumbing at the pump.
6. Permits are a cost-shareable component for this practice in counties where agricultural wells are not exempt from permit fees. A copy of the permit, receipt of the permit fee, and any supporting water quality reports associated with the permit are required to be kept in the district's contract file.
7. Cooperator is encouraged to install water conservation measures and effective livestock exclusion fencing from streams.
8. Cooperators are responsible for obtaining and complying with all required permits and local requirements, including water use reporting and registration with DWR, if applicable.
9. Where there are already adequate water resources available under the control of the producer, backup wells are not cost shareable through AgWRAP. Public water supply is not considered under the control of the producer.
10. Wells are allowed for operations served by public water systems if the well will reduce dependence on the public water system.

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11. Well repairs that bring unusable wells back into operation are cost shareable, including a pump if needed.
12. New wells and well repairs must be completed by a well contractor certified by the North Carolina Well Contractors Certification Commission.
13. The "Wells for Livestock Watering Site Evaluation Sheet" and/or the "Wells for Irrigation Site Evaluation Sheet" shall be used as a minimum requirement for planning and design documentation.
14. A Well Construction Record Form (GW-1) completed and signed by a well contractor certified by the North Carolina Well Contractors Certification Commission shall serve as adequate construction approval for wells.
15. Proper documentation of the information provided by a Certified Well Contractor, on the Pump Installation Information Plate shall serve as adequate construction approval for the well pump.
16. Design and construction approval for pumps, not installed by a Certified Well Contractor, must be granted by NRCS or SWCD staff with appropriate JAA, a Professional Engineer or technical specialist with Irrigation (I) designation.
17. Excluding repairs authorized under the [Cost Share Programs Repair policy](#); new pumps, replacement pumps, repairs to pumps and pump components for existing, usable wells are not cost shareable.
18. Where the Certified Well Contractor determines alternative casing is required by 15A NCAC Subchapter 02C Well Construction Standards the additional cost is eligible for cost share assistance.
19. A well may be used as part of a system for irrigation. Cooperators may receive cost share assistance for a well or a well with an irrigation reservoir if needed to run equipment, the same cost share cap will apply.
20. A method for distributing the water from the well must be available.

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<b>WATER SUPPLY WELL</b>	
<b>Maintenance Period</b>	10 YEARS
<b>BMP Units</b>	EACH
<b>Required Effects</b>	ACRES IRRIGATED or TYPE AND NUMBER OF ANIMALS WATERED
<b>JAA/NRCS Standards unless otherwise noted</b>	ENG - 642 - Water Well ENG - 533 - Pumping Plant
<b>CS2 Reference Materials</b>	NC-ACSP-11 Signature Page Map with BMP location, fields, and roads. Well Site Evaluation form Conservation Plan GW1 Well Construction Record and Well Check Off form at time of payment