



Water Supply Well

Description: 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.

AgWRAP Water Supply Well Policy

Maintenance Period: 10 years

Additional Spot-check Requirements: None

CS2 Contract Requirements:

CS2 Project Description Examples:

BMP	Explain how the operation's production is limited by the amount of water it can currently access	Describe how the proposed project/BMP will increase water resources
Water Supply Well	<p>Producer lacks sufficient irrigation water to meet crop demand.</p> <p>Producer has to haul water from offsite to meet cattle water demands.</p> <p>The applicant operates a cut flower nursery alongside their chicken egg operation, and ag tourism business. Currently they are using public water to irrigate their cut flowers.</p>	<p>A well will provide enough water to irrigate crop land without stressing the owner's personal water supply.</p> <p>A well will supply the producer with sufficient water on-site for cattle operation, reducing time and fuel transporting water from off-site.</p> <p>Providing a water supply well will decrease dependence on the public water system, as well as providing an abundant supply of irrigation water.</p>

BMP Units: Each

Expected Results:

- Acres irrigated (annually), or
- Acres affected (annually, acres grown and processed for on-farm processing), or
- Animal type and number

Reference Materials:

- Conservation Plan
- NC-AgWRAP 11 Signature Page
- Map with BMPs, Tract, Field, and Contract Numbers
- [Cooperator Acknowledgment Form](#)
- Site Evaluation Sheets:
 - [Irrigation Water Well](#)
 - [Livestock Water Well](#)

For RFP:

- [Well Construction Record Form \(GW-1\)](#)
- [Water Well Check-out Sheet](#)
- [Receipts Summary Page for actual cost items](#)

CS2 Components	Units
AgWRAP Water Supply Well- construction/head protection	LinFt
AgWRAP Water Supply Well- permit	Each
PUMP-housing, fiberglass/site built	Each
AgWRAP PUMP-water supply	Each
PUMP-solar powered water	Each
Tank-temp storage, 1000 gal	Each

Tank-temp storage, 1500 gal	Each
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JAA/Supporting Standards

JAA:

- [NRCS - 642 - Water Well](#)
- [NRCS - 533 - Pumping Plant](#)

OR

- 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.
- 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.
- Site Evaluation Sheets:
 - [Irrigation Water Well](#)
 - [Livestock Water Well](#)

[BMP JAA Application Requirements](#)

Planning and Design Tools

- [Livestock Watering Well Diagram](#)
- [Irrigation Well Diagram](#)
- See if your project is location in the [Central Coastal Plain Capacity Use Area](#) (15 eastern counties) - Permits or Registration and Reporting may be required.
- [Find a Certified Contractor](#)
- [Cost Share Estimate Calculator](#)
- Contract Folder Checklist