

GENERAL PLAN AMENDMENTS

Water Use and Preservation Element

Future City Planning

Water Conservation, Preservation, & Low Impact Development

As required by Utah State Code Section 73-10-32, Centerville must address water conservation through comprehensive planning. The City's semi-arid climate demands careful water management regardless of precipitation levels.

Water Conservation Strategies:

- Water System Management - Regular evaluation of infrastructure to reduce leakage, including monitoring distribution systems, upgrading aging pipes, and implementing pressure management programs to minimize water loss throughout the network.
- Metering – Individual meters with conservation rate structures that incentivize efficient use through tiered pricing, along with advanced metering infrastructure to provide real-time usage data to residents and city staff.
- Rainwater Harvesting – Up to 2,500 gallons per residential unit annually, with proper collection, storage, and distribution systems that can supplement outdoor irrigation needs while reducing demand on the municipal water supply.
- Sustainable Practices – Smart irrigation controllers that adjust watering schedules based on weather conditions and soil moisture, water-efficient appliances and fixtures, proper watering schedules that align with plant needs and seasonal variations, and public education programs on water conservation techniques.

- Waterwise Landscaping – Drought-tolerant native and adapted plants that require minimal supplemental watering, efficient drip irrigation systems, reduced turf areas in favor of low-water alternatives that improve water retention and reduce runoff.
- Greywater Systems – Water reuse systems for landscape irrigation that capture and treat wastewater from sinks, showers, and washing machines, reducing both water consumption and wastewater treatment demands.
- Low Impact Development – Green infrastructure including bioswales for natural stormwater filtration, rain gardens that capture and infiltrate runoff, permeable pavements that reduce surface runoff and recharge groundwater, expanded urban tree canopy for natural cooling and stormwater management, and constructed wetlands that provide both water treatment and habitat benefits.

Water Conservation Implementation

- Continue partnership with Weber Basin Water Conservancy District
- Promote “Flip Your Strip” and other rebate programs through utility bills
- Update landscaping ordinances to require waterwise design
- Investigate partnerships for water reclamation programs

Existing City Measures

Current Water Conservation Efforts:

- Drought resiliency project for enhanced water reliability
- Time-of-day watering restrictions (6 PM to 10 AM only) per CZC 12.51.070(h)
- Required drought-resistant landscaping for commercial properties per CZC 12.51.070(d)
- Recommended waterwise landscaping for residential properties per CZC 12.51.070(h)

Weber Basin Water Conservancy District

Programs Available to Residents:

- Free water audits
- Water conservation learning garden classes
- Smart irrigation controller rebates
- Toilet replacement rebates
- Secondary water metering
- Gardening classes
- “Slow the Flow” professional water checks

Water System Infrastructure and Protection

Centerville operates and maintains nine water well sites throughout the City, each protected by established source protection zones that indicate estimated groundwater travel times to the wellhead sites. The City has implemented a comprehensive Capital Facilities Plan that guides the financing and development of the culinary water system to ensure orderly expansion as the community grows.

Additionally, the City protects its water sources through careful management of the natural drainage systems, including the major creek corridors of Ricks Creek, Barnard Creek, Parrish Creek, and Deuel Creek, which carry essential snowmelt and surface water from the mountains while serving as sources for secondary irrigation throughout the valley.

Conservation Goals:

The City has adopted Weber Basin Water Conservancy District’s conservation goals and continues to work toward the state’s regional water conservation targets as outlined at conservewater.utah.gov.

Through these comprehensive conservation and preservation efforts, Centerville demonstrates its commitment to protecting natural resources, preserving its heritage, and ensuring a sustainable future for generations to come.