
# WATER RESOURCES ELEMENT‡

Scottsdale has a multi-faceted water resources portfolio aimed at providing the community with a reliable long-term assured water supply. This portfolio consists of surface water supplies, which include Salt and Verde River water from Salt River Project and Colorado River water from Central Arizona Project; groundwater supplies; and reclaimed water. Scottsdale's water resource systems include water supplies, water treatment, water transmission and delivery, wastewater collection, wastewater treatment systems, and both reclaimed and irrigation water distribution systems.‡

As required by the State of Arizona, Scottsdale has an assured water supply designation that ensures sufficient water supplies are available for the next 100 years before allowing any new development. Scottsdale has focused on obtaining surface water supplies, increasing recharge efforts, and reducing groundwater pumping. In 2006, the city achieved a significant milestone by reaching safe-yield in groundwater usage, where groundwater recharge is greater than the amount pumped. Scottsdale is demonstrating responsible stewardship of groundwater resources and maintaining a sustainable water supply for future generations by not withdrawing more groundwater than is replenished through natural or artificial recharge.

Although Scottsdale manages and protects the water supply, the first and most critical step in planning and preparing for drought is proactive conservation of water by using water efficiently, reducing waste, and maximizing use of reclaimed water and harvested rainwater. All citizens can help ensure we have enough water for future generations by efficient use of water on a daily basis.

The goals and policies of the Water Resources Element ensure that Scottsdale continues to provide safe, reliable, and quality drinking water to the community, now and into the future.

# Goals and Policies

## Goal WR 1 ‡

**Ensure renewable, long-term water supplies for the community.**

*Policies*

**WR 1.1** ‡ Maintain State-mandated safe-yield conditions in the city's water service area by minimizing groundwater pumping and maximizing the amount of groundwater recharge. *[Cross-reference Conservation and Water Resources Development Elements]*

**WR 1.2** ‡ Protect and continually monitor the existing supply and ensure adequate future supply of renewable water sources, including those derived from Colorado River and Salt River Project water rights, credits, and/or reclaimed water, to meet growth projections. *[Cross-reference Conservation Element]*

**WR 1.3** ‡ Update the city's 100-year Assured Water Supply designation as new sources of water supply are acquired.

**WR 1.4** Continue to manage water and wastewater resources as critical parts of a sustainable community. *[Cross-reference Environmental Planning; Conservation; and Public Services & Facilities Elements]*

**WR 1.5** Encourage private septic system users to connect to the city's sewer collection system.

**WR 1.6** Continue to provide a reliable, high-quality water and wastewater system that achieves the highest level of customer satisfaction.

**WR 1.7** ‡ Site, drill, construct, and equip new groundwater recharge wells in the most effective locations available to help stabilize groundwater levels, protect water supplies, and mitigate land subsidence.

**WR 1.8** Ensure the city's drinking water distribution system can effectively deliver drinking water to every part of the water service area. *[Cross-reference Public Services & Facilities Element]*

**WR 1.9** Continue working with regional partners, other government entities, and tribal communities to facilitate shared water demand and sustainable management of water resources.

**WR 1.10** Proactively maintain and replace water delivery and effluent recapture system infrastructure. *[Cross-reference Public Services & Facilities Element]*

**WR 1.11** Expand and modify the reclaimed water distribution system, as feasible, to enhance groundwater recharge and reuse. *[Cross-reference Conservation Element]*

**WR 1.12** Enhance procedures, through best management practices, to guard against security breaches to water supply.

## Goal WR 2

**Plan, prepare for, and adapt to significant climatic impacts on the water supply, such as short-term and extended drought.**

*Policies*

**WR 2.1** Educate the public on preparedness, planning, and response for drought and other emergencies affecting the water supply. *[Cross-reference Conservation and Safety Elements]*

**WR 2.2** Closely monitor drought conditions and implement the mitigation measures required. *[Cross-reference Conservation and Safety Elements]*

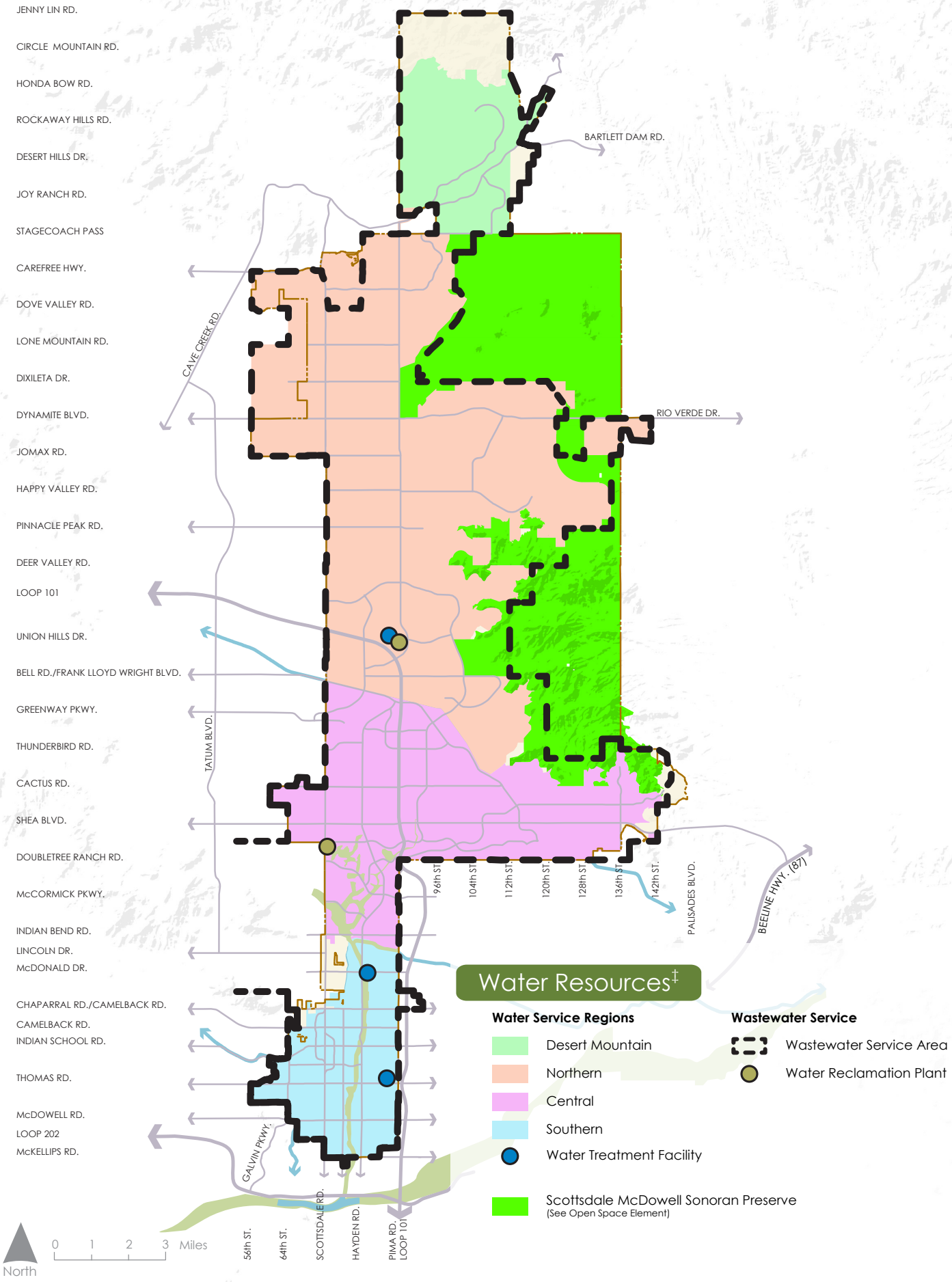
**WR 2.3** Minimize the impacts of drought on residents by using short-term and long-term approaches to drought preparedness, response, and recovery. *[Cross-reference Safety Element]*

**WR 2.4** Effectively communicate the procedures and available resources to the community in the event of extreme drought or other emergency. *[Cross-reference Safety Element]*

**WR 2.5** Update Scottsdale's Drought Management Plan every five years to reflect current and projected water supplies, demands, and infrastructure with an emphasis on water use efficiency. *[Cross-reference Conservation and Safety Elements}*

**WR 2.6** Perform water-use audits of city facilities and programs to assess and reduce water usage. *[Cross-reference Recreation, Open Space, Public Services & Facilities, and Public Buildings Elements}*

**WR 2.7** Expand the Water Conservation Program to increase efficiency and reduce per capita usage.


JENNY LIN RD.
CIRCLE MOUNTAIN RD.
HONDA BOW RD.
ROCKAWAY HILLS RD.
DESERT HILLS DR.
JOY RANCH RD.
STAGECOACH PASS
CAREFREE HWY.
DOVE VALLEY RD.
LONE MOUNTAIN RD.
DIXILETA DR.
DYNAMITE BLVD.
JOMAX RD.
HAPPY VALLEY RD.
PINNACLE PEAK RD.
DEER VALLEY RD.
LOOP 101
UNION HILLS DR.
BELL RD./FRANK LLOYD WRIGHT BLVD.
GREENWAY PKWY.
THUNDERBIRD RD.
CACTUS RD.
SHEA BLVD.
DOUBLETREE RANCH RD.
McCORMICK PKWY.
INDIAN BEND RD.
LINCOLN DR.
McDONALD DR.
CHAPARRAL RD./CAMELBACK RD.
CAMELBACK RD.
INDIAN SCHOOL RD.
THOMAS RD.
McDOWELL RD.
LOOP 202
McKELLIPS RD.
BARTLETT DAM RD.
CAVE CREEK RD.
RIO VERDE DR.
TATUM BLVD.
96th ST
104th ST
112th ST
120th ST
128th ST
136th ST
142nd ST
PALISADES BLVD.
BEELINE HWY. (87)
GALVIN PKWY.
56th ST.
64th ST.
SCOTTSDALE RD.
HAYDEN RD.
PIMA RD.
LOOP 101
0 1 2 3 Miles
North
Water Resources‡
Water Service Regions
Desert Mountain
Northern
Central
Southern
Water Treatment Facility
Scottsdale McDowell Sonoran Preserve
(See Open Space Element)
Wastewater Service
Wastewater Service Area
Water Reclamation Plant