The cheapest source of water is CONSERVATION.

The cheapest and most accessible source of water is conservation. "Water for 2060" represents a wide range of innovative conservation measures, incentives, and related project financing options available to solidify Oklahoma's water future and minimize deficits projected by the 2012 Update of the Oklahoma Comprehensive Water Plan (OCWP).

WATER FOR 2060
EFFICIENCY · CONSERVATION · RECYCLING · REUSE

Water Reuse
As part of a larger wastewater treatment plant upgrade, Guymon Utilities Authority implemented a land application system to dispose of gray water.

Water Reuse: just look for the purple water lines.

Water Reuse
Hennessey Public Works Authority added a graywater land application system as part of the community's recent lagoon expansion project.

Streambank Stabilization
The Oklahoma Conservation Commission and Oklahoma State University partnered on a streambank stabilization project on Cow Creek. Among other benefits, restoring streams to their natural state reduces sediment loading and enhances water quality, leading to improved water supplies.

Green Infrastructure
Bixby Public Works Authority has embraced low-impact development innovations through the installation of rain gardens and permeable pavement to improve drainage and reduce wastewater treatment costs.

Educating Citizens
Oklahoma City has produced a series of creative water conservation public service announcements. Education is an important and often overlooked conservation tool.

Leak Repair
The El Reno Municipal Authority replaced leaking water lines throughout the city to increase efficiency.

Water Reuse
Gaillardia, a golf course community, has been irrigating with reclaimed water since 1996. This alternative to using potable water from Oklahoma City is also utilized by two electrical utilities. Collectively, these reuse programs save more than 1 billion gallons of drinking water annually.

Rainwater Harvesting
A modest OWRB Water Conservation Grant allowed Tahlequah High School to capture rainwater and store it in a 6,000-gallon cistern for use in watering the area's landscape.

Automated Meter Reading
Lawton Water Authority installed an automated meter reading (AMR) system, which allows them to identify and repair leaks more effectively while increasing efficiency.

Leak Detection
Grady County Rural Water District #6 has reduced system leakage by 25 percent by replacing old valves and meters and installing a new automated meter reading system, along with improved management techniques.

Green Roofs
At OU's National Weather Center, a vegetative roof system (green roof) reduces stormwater runoff, improves water quality, and reduces the building's energy demands.

What Water Providers can do:

Eligible OWRB Financial Assistance projects, including those funded through both the CWSRF and DWSRF loan programs, can help Oklahoma citizens, municipalities, farmers, ranchers, and industry meet Water for 2060 goals today.

Water Efficiency
- Retrofit with water efficient household fixtures.
- Use automated meter reading (AMR) systems.
- Repair broken/malfunctioning meters.
- Install leak detection equipment.
- Conduct water audits.
- Develop water conservation plans.
- Recycle or reuse water.
- Retrofit or install more efficient irrigation equipment.
- Use WaterSense labeled products.

WaterSense Meets EPA Criteria

Nonpoint Source Pollution Control Projects
- Employ wise land use and conservation practices.
- Implement capital projects that result in direct benefits to water quality.
- Reduce erosion through streambank stabilization and related efforts.

Green Infrastructure
- Develop green streets, permeable pavement, green roofs, bioretention areas, stormwater harvesting and reuse, urban forestry, and rain gardens.
- Encourage Low Impact Development (LID).

Innovative Measures
- Develop long-range system management and utility sustainability plans.
- Establish contingencies to address acute climate variability impacts.
- Participate in Leadership in Energy and Environmental Design (LEED) certified projects that reduce waste and conserve energy and water resources.

U.S. GREEN BUILDING COUNCIL LEED USGBC

Innovative Measures
- High efficiency plumbing codes
- Leak detection and prevention
- Education programs
- Green infrastructure
- Water recycling/reuse systems
- Control of invasive species
- Use of marginal quality waters

Incentives
- Tax benefits
- Low-interest loans
- Cost-sharing
- Tiered water pricing

Conserving Indoors
- Repair dripping faucets, toilets, and other leaks.
- Turn off the tap while shaving or brushing teeth.
- Use a stopper in the sink when washing dishes.
- Do not use running water to thaw food.
- Make sure the dishwasher is fully loaded.
- Add food wastes to your compost pile instead of using the garbage disposal.
- Wash only full loads of laundry or use the washing machine's load size selection.

Conserving Outdoors
- Sweep driveways and sidewalks rather than using a hose.
- Water in the early morning (4 to 7 a.m.) to reduce evaporation.
- Adjust sprinklers to water the lawn, not the house, sidewalk, or street.
- Do not over water. If you step on your lawn and the grass springs back, it does not require water.
- Check your garden hose for leaks and a tight connection to the spigot.
- Wash the car with water from a bucket, or consider using a commercial car wash that recycles water.
- Reduce the amount of turf grass in your yard by xeriscaping or using native and drought-tolerant plants that require less water.

State of Oklahoma
OWRB
WATER RESOURCES BOARD
the water agency

Visit the OWRB's Water for 2060 web page:
www.owrb.ok.gov/conservation