



For more information or to read the full report, visit www.owrb.ok.gov/2060.

The OWRB defines policy and conducts the state's water business through a nine-member Board appointed by the Governor. Board members and agency staff are guided by the OWRB's mission—protecting and enhancing the quality of life for Oklahomans by managing and improving the state's water resources to ensure clean and reliable water supplies, a strong economy, and a safe and healthy environment.

OKLAHOMA WATER RESOURCES BOARD

3800 NORTH CLASSEN BOULEVARD

OKLAHOMA CITY, OK 73118

PHONE 405.530.8800

FAX 405.530.8900

WWW.OWRB.OK.GOV

WATER FOR 2060 ADVISORY COUNCIL REPORT

AN OVERVIEW



WATER FOR 2060
EFFICIENCY • CONSERVATION • RECYCLING • REUSE

FULL REPORT AVAILABLE AT WWW.OWRB.OK.GOV/2060

OWRB
the water agency

With passage of the Water for 2060 Act (HB 3055) in 2012, Oklahoma became the first state in the nation to establish a bold, statewide goal of consuming no more fresh water in 2060 than was consumed in 2010.

Water for 2060 emphasizes the use of education and incentives, rather than mandates, to achieve this ambitious goal without limiting Oklahoma's future growth and prosperity.

WATER FOR 2060 ADVISORY COUNCIL

A fifteen-member advisory council was created in 2013. The Council was chaired by J.D. Strong, OWRB Executive Director, and was comprised of fourteen members appointed by the Governor, Speaker of the House, and President Pro Tempore of the Senate. The members were well-versed in municipal, rural residential, agricultural, industrial, oil and gas, and recreational water uses, as well as water efficiency, water and wastewater reuse, and marginal quality and brackish water use practices and technologies.

The 15 members were tasked with studying and recommending appropriate water conservation practices, incentives, and educational programs to moderate statewide water usage while supporting Oklahoma's population growth and economic development goals.

Quarterly meetings and workshops provided the Council an opportunity to hear from leaders in public water supply, crop irrigation, and a variety of industries, and consider strategies for increased water use efficiency. The Advisory Council also visited several sites in the Panhandle for guided tours of agriculture operations, a public wastewater treatment plant, and a bioenergy production facility.

Information gleaned from these workshops and site visits was used to shape the recommendations submitted to the Governor, Speaker of the House, and President Pro Tempore in 2015.

These recommendations are outlined in the Water for 2060 Advisory Council Report available online at www.owrb.ok.gov/2060.

ADVISORY COUNCIL MEMBERS

J.D. Strong
OWRB Executive Director

Jim Bachmann
Tulsa

Lauren Brookey
Tulsa

Tom Buchanan
Altus

Bob Drake
Davis

Dan Galloway
Stillwater

Roger Griffin
Broken Bow

Charlette Hearne
Broken Bow

Mark Helm
Oklahoma City

Nathan Kuhnert
Oklahoma City

Phil Richardson
Minco

Kevin Smith
Enid

Trent Smith
Choctaw

Joe Taron
Shawnee

Jerry Wiebe
Hooker

WATER FOR 2060 ACT

HB 3055 (2012) — *“The Legislature hereby declares that, in order to protect Oklahoma citizens from increased water supply shortages and groundwater depletions by the year 2060 in most of the eighty-two watershed planning basins in the state as described in the 2012 Update of the Oklahoma Comprehensive Water Plan, the public policy of this state is to establish and work toward a goal of consuming no more fresh water in the year 2060 than is consumed statewide in the year 2012, while continuing to grow the population and economy of the state and to achieve this goal through utilizing existing water supplies more efficiently and expanding the use of alternatives such as wastewater, brackish water, and other nonpotable supplies. Provided, however, that nothing in the Water for 2060 Act shall be construed as amending the provisions of law pertaining to rights or permits to use water.”*

ALL WATER USE SECTORS

DEVELOP PUBLIC EDUCATION AND OUTREACH MATERIALS, A STATEWIDE RESOURCES CONSERVATION CAMPAIGN, AND AN OKLAHOMA WATER EFFICIENCY PORTAL.

GOAL Best practices and information sharing

LEGISLATIVE ACTION Support Water for 2060 Coordinator position and provide authority and funding for its activities; provide funding for development and maintenance of the portal.

ESTIMATED COST \$300,000-1,000,000 per year depending on extent of outreach

PUBLIC WATER SUPPLY RECOMMENDATION 3

DEVELOP AN OKLAHOMA WATER SYSTEM LOSS REDUCTION BEST PRACTICES GUIDE.

GOAL Reducing water loss in transmission/distribution systems

LEGISLATIVE ACTION Provide funding for development and distribution of the guide.

ESTIMATED COST \$200,000

PUBLIC WATER SUPPLY RECOMMENDATION 1

DEVELOP AN OKLAHOMA PUBLIC WATER SUPPLY SYSTEM WATER EFFICIENCY BEST PRACTICES GUIDE.

GOAL Developing strategies and benchmarks for Public Water Supply water efficiency

LEGISLATIVE ACTION Provide funding for development and distribution of the guide.

ESTIMATED COST \$200,000 initial cost plus annual updating

PUBLIC WATER SUPPLY RECOMMENDATION 4

PROVIDE STATE FUNDING AND FINANCING FOR WATER SYSTEM LOSS REDUCTION.

GOAL Reducing water loss in transmission/distribution systems

LEGISLATIVE ACTION Provide funds for state matching-fund grant program.

ESTIMATED COST \$1,000,000

PUBLIC WATER SUPPLY RECOMMENDATION 2

DEVELOP A STATE RECOGNITION AND REWARDS PROGRAM FOR HIGHLY EFFICIENT PUBLIC WATER SUPPLY SYSTEMS.

GOAL Recognizing Public Water Supply systems with high levels of efficiency and reuse

LEGISLATIVE ACTION Establish the program, annually recognize efficient communities and systems, and provide funds for administration of the program.

ESTIMATED COST \$30,000-50,000 per year (plus implications of lower interest rates and statewide Public Water Supply rating)

PUBLIC WATER SUPPLY RECOMMENDATION 5

ENCOURAGE REGIONALIZATION AND SUPPLY SHARING.

GOAL Best practices and information sharing

LEGISLATIVE ACTION Continue gross production tax funding for OCWP implementation.

ESTIMATED COST \$200,000 plus annual allocations for infrastructure mapping

CROP IRRIGATION RECOMMENDATION 1

APPLY STATE FINANCING PROGRAMS TO WATER-EFFICIENT CROP IRRIGATION EQUIPMENT CONVERSION AND PRACTICES.

GOAL Providing financial incentives and mechanisms for irrigators to implement efficient technologies and practices and increase crop yields

LEGISLATIVE ACTION Allocate annual funding for program costs and authorize expansion of the Oklahoma Agricultural Linked Deposit Program.

ESTIMATED COST Funds for OK EQIP and matching-grant programs; linked deposits from current OWRB Financial Assistance Program funds

ENERGY AND INDUSTRY RECOMMENDATION 1

FACILITATE INCREASED SHARING OF INFORMATION AND SUPPLIES BETWEEN ENERGY AND INDUSTRY WATER USERS.

GOAL Facilitating the sharing of best practices and more efficient shared use of supplies between Energy and Industry water users

LEGISLATIVE ACTION None required.

ESTIMATED COST \$200,000

CROP IRRIGATION RECOMMENDATION 2

DEVELOP AN OKLAHOMA CROP IRRIGATION BEST PRACTICES GUIDE.

GOAL Best practices and information sharing

LEGISLATIVE ACTION Provide funding for development and distribution of the guide.

ESTIMATED COST \$300,000

ENERGY AND INDUSTRY RECOMMENDATION 2

DEVELOP AN ENERGY AND INDUSTRY WATER USE BEST PRACTICES GUIDANCE AND RECOGNITION PROGRAM.

GOAL Increasing awareness and recognition of efficient Energy and Industry water use practices

LEGISLATIVE ACTION Establish the program and annually recognize efficient Energy and Industry water users; provide funds for development of guidance and administration.

ESTIMATED COST \$30,000-\$50,000 per year

CROP IRRIGATION RECOMMENDATION 3

ACTIVELY SUPPORT FEDERAL CROP INSURANCE REFORM.

GOAL Reducing or eliminating water waste required to prove out crop insurance claims

LEGISLATIVE ACTION Introduce legislative resolution seeking relief at the federal level.

ESTIMATED COST Negligible

ENERGY AND INDUSTRY RECOMMENDATION 3

PROMOTE INDUSTRIAL USE OF MARGINAL QUALITY WATERS.

GOAL Increasing the use of marginal quality water supplies in industrial applications

LEGISLATIVE ACTION None required.

ESTIMATED COST \$100,000 and state agency staff time