PARTNERSHIPS, EFFICIENCY, & CUSTOMER SERVICE

PARTNERSHIPS TO LEVERAGE AVAILABLE DOLLARS & EXPEDITE PROJECTS
The OWRB actively seeks collaborative funding and technical assistance opportunities. Current projects include data management, storage and dissemination activities, basin scale hydrologic studies, regional planning efforts, municipal reservoir capacity and restoration studies, and tailrace studies. Partners include Grand River Dam Authority, City of Norman, Central Oklahoma Master Conservancy District (MCD), Mountain Park MCD, Fort Cobb MCD, Department of Environmental Quality, Conservation Commission, Groundwater Protection Council, US Army Corp of Engineers, US Bureau of Reclamation, USEPA, US Agricultural Research Service, USDA NRS, and others.

OWRB LOANS & GRANTS AS OF 1/3/2018

<table>
<thead>
<tr>
<th>Type of Assistance</th>
<th>Financial Assistance Loans</th>
<th>Clean Water SRF Loans</th>
<th>Drinking Water SRF Loans</th>
<th>Emergency Grants</th>
<th>REAP Grants</th>
<th>Drought Grants</th>
<th>Special Purpose</th>
<th>Total Approved</th>
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<tr>
<td>Loans</td>
<td>383</td>
<td>319</td>
<td>192</td>
<td>575</td>
<td>672</td>
<td>6</td>
<td>8</td>
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<td>Total</td>
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<td>$1,550,590,377</td>
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<td>$59,561,641</td>
<td>$418,848</td>
<td>$2,625,000</td>
<td>$3,873,122,620</td>
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</tbody>
</table>

CUSTOMER ASSISTANCE & TRAINING
The OWRB continues to increase its technical assistance and training for floodplain management, dam safety, well drilling, and permitting designed to reduce non-compliance issues, cost for enforcement activities, and increase public safety. The financial assistance team now provides free consultation visits with water and wastewater systems and city officials to discuss financing needs and loan agreement compliance. A marketing survey and focus group study were conducted for the agency’s financing needs and loan agreement compliance. A marketing team includes Grand River Dam Authority, City of Norman, Central Oklahoma Master Conservancy District (MCD), Mountain Park MCD, Fort Cobb MCD, Department of Environmental Quality, Conservation Commission, Groundwater Protection Council, US Army Corp of Engineers, US Bureau of Reclamation, USEPA, US Agricultural Research Service, USDA NRS, and others.

WEB-BASED AUTOMATION & MAPPING PRODUCTS
The OWRB has developed several web-based applications to provide better service to the public, improve efficiency, expedite permit applications and reporting, and improve accuracy of data. The online Provisional Temporary permit system provides convenience, supporting time sensitive permit approval for Oklahoma’s oil and gas industry and others. Well Driller and Pump Installer applications and well log reporting can be completed electronically, which streamlines the process for the industry as well as OWRB staff. New interactive online mapping tools continue to be added to our product line, providing water resource information that can be customized through a user-friendly graphical interface.

FY18 FUNDING OF OWRB BY SOURCE

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appraisals</td>
<td>$5,900,897</td>
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<tr>
<td>Brookings</td>
<td>$6,165,783</td>
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<tr>
<td>Total</td>
<td>$12,066,680</td>
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Customer Service • Innovation • Collaboration • Efficiency • Sound Science

HISTORY OF THE OWRB
During the 1950’s Oklahoma experienced the worst drought in state history and water pollution problems brought on by rapid growth and development. In response, the state legislature established a water study committee of legislators and citizens to travel the state gathering information and solutions regarding local water issues. Their State Water Policy recommendations called for a separate authority to be created to administer water rights, negotiate federal policies, and develop state and local projects to assure effective use of water resources. This led to the creation of the Oklahoma Water Resources Board in 1957.

For 60 years the agency has focused on Oklahoma’s economic development and quality of life through fair water appropriation, water infrastructure financing, protection of surface and groundwater quality, water use and availability accounting, and collecting technical data to inform decisions of water planners, policy makers, and everyday citizens.

Water is essential for Oklahoma.

OKLAHOMA’S ECONOMIC FUTURE AND QUALITY OF LIFE DEPEND ON IT.
With an estimated 390 million acre-feet of water stored in major groundwater basins, more than 15 million acre-feet of storage in major reservoirs, and 170,000 miles of rivers and streams, Oklahoma is a water rich state with the resources to support agriculture production, municipal development, business and industry, outdoor recreation, and so much more. Challenges include competition among users, distribution of supplies, and periods of extended drought.

WE FOCUS ON ENSURING A RELIABLE SUPPLY OF CLEAN WATER FOR ALL OKLAHOMANS.

OUR MISSION
The mission of the Oklahoma Water Resources Board is to protect and enhance 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.

WHO WE ARE
The Oklahoma Water Resources Board defines policy and conducts the state’s water business through a nine-member Board appointed by the Governor. The Board meets regularly to oversee the management of the state’s water resources and implementation of the Oklahoma Comprehensive Water Plan. The agency assists the Board in implementing its mission with a professional staff of 100 scientists, engineers, financial analysts, water policy experts, attorneys, and support personnel.

Julie Cunningham, Executive Director
julie.cunningham@owrb.ok.gov
(405) 530-8800 | www.owrb.ok.gov | @OKWaterBoard

Oklahoma Water Resources Board
The Water Agency
We focus on ensuring a reliable supply of clean water for all Oklahomans.

Certified Healthy Oklahoma
The OWRB received its fifth consecutive “Top Workplaces” award for 2017. The Top Workplaces program recognizes Oklahoma’s best employers based entirely on employee opinions gathered through anonymous surveys. The OWRB was also given its second certified healthy business award for its efforts to keep employees active and healthy.
WATER USE APPROPRIATION

Oklahoma’s fresh water resources are managed by the OWRB through 13,000 permits for 6.7 million acre-feet of water per year for public water supply, agriculture, industry, power generation, recreation, and oil and gas drilling. Approximately 1,500 Provisional Temporary permits are issued for oil and gas developers or others in need of a temporary (90-day) source of water. The agency coordinates statewide water use reporting, manages shortages during times of drought, and responds to public complaints.

HYDROLOGIC INVESTIGATIONS

The OWRB conducts statistically required hydrologic investigations to determine the amount of water available for allocation. Hydrogeologists, modelers, private engineering consultants, and federal agencies assist the OWRB in characterizing hydrologic properties of aquifers such as recharge, effects of groundwater pumping, water demand, and contaminant flow paths.

WELL DRILLER & PUMP INSTALLER LICENSING

The OWRB protects Oklahoma’s groundwater from contamination by ensuring the integrity of water well construction through the licensing of well drillers and pump installers. OWRB staff also assist drillers with required well log reporting. As a result more than 176,000 well logs are available to the public via the agency’s website through record searches and interactive maps.

DAM SAFETY & FLOODPLAIN MANAGEMENT

Oklahoma’s 34 largest reservoirs provide 15 million acre-feet of water storage capacity, essential during times of drought and flooding. The OWRB coordinates the Oklahoma Dam Safety Program to ensure the safety of more than 4,700 dams and the Floodplain Management Program to assist more than 400 communities in reducing costly flooding risks to life and property.

INTERSTATE STREAM COMPACT COMMISSIONS

The OWRB represents Oklahoma’s interests on four separate interstate stream compact commissions involving all the surface waters that flow into or out of the state. The compacts are written agreements among or between the US Congress, enacted in Federal statutes, and enacted by states, including Oklahoma communities, rural water districts, schools, and other authorities at an estimated savings of $1.3 billion over conventional financing. This is due, in part, to the continued achievement of a AAA bond rating by S&P on the basis of the Board’s innovative management of the programs. The programs protect the health and safety of Oklahomans by providing funding to the meet the critical need for safe drinking water supplies and adequate wastewater treatment. For each federal dollar invested, the programs provide an average of 3.5 dollars in infrastructure financing with 100 percent of the costs funded through administrative fees.

STREAM GAGING NETWORK

The OWRB stream gage network, in partnership with the USGS Cooperative Stream Gaging program, provides data for administration of water rights, and compliance with Oklahoma’s delivery of water per four federal interstate stream compact agreements. Stream gage data directly guide the day-to-day management of local and regional public water supplies, including flood and drought planning, early warnings, and emergency operations.

WATER MONITORING NETWORK & LAKE RESTORATION PROJECTS

The OWRB administers Oklahoma’s water monitoring network to track the water quality and quantity of Oklahoma’s streams, lakes, and groundwater basins. Scientifically defensible data collected are used to assist businesses, governments, and citizens in making water resources decisions, improve understanding of the effects of drought and usage patterns, identify areas of impairment, and refine Oklahoma’s Water Quality Standards. Staff limnologists work with municipalities to complete lake sedimentation studies, capacity yield determinations, and restoration projects.

WATER QUALITY STANDARDS

The OWRB promulgates Oklahoma’s Water Quality Standards by designating beneficial uses and developing water quality criteria to protect these uses, developing antidegradation policies, and implementing rules, including use support protocols.

OKLAHOMA COMPREHENSIVE WATER PLAN

The OWRB forecasts long-term water needs through the Oklahoma Comprehensive Water Plan (OCWP), providing information for water management and implementation of policy that ensures reliable supplies for the future. The OCWP contains a wealth of technical data, information, and policy recommendations manifested in an Executive Report, 13 Watershed Planning Region reports, and many additional technical study findings and reports. The OCWP serves as an indispensable resource for making informed decisions impacting water use and management through 2060 and beyond.

The 2012 OCWP included a historically in-depth public participation effort. During the four-year process, 54 local, regional, and statewide input meetings were held, and the OWRB collected over 2,500 comments from approximately 2,300 citizens. These comments were condensed into eight priority policy recommendations. Since its publication, many OCWP recommendations have been implemented.

WATER FOR 2060

With the Legislature’s passage of the Water for 2060 Act in 2012 (prompted by a priority recommendation of the OCWP), Oklahoma became the first state in the nation to establish a goal of consuming no more fresh water in 2060 than was consumed in 2010. The OWRB is now focused on stretching existing water supplies by promoting water conservation, identifying needed state policy reforms, finding untapped, marginal quality waters and identifying new conservation, efficiency, and reuse practices in every sector.

WATER FOR 2060 ADVISORY COUNCIL

To meet this ambitious goal, the Water for 2060 Advisory Council was convened to study and recommend voluntary water conservation practices, incentives, and educational programs to promote wise water usage while supporting Oklahoma’s population growth and economic development goals. In 2015 the Council submitted its 12 key recommendations with funding requirements to the Governor and Legislature. Although a funding source has not been identified, the OWRB is moving the recommendations forward. The Water for 2060 Excellence Award program was initiated last fall with presentations to eight awardees at the Governor’s Water Conference. The Board has also established a steering committee of water outreach and education entities to pool conservation information and resources into a Water for 2060 web portal.

PRODUCED WATER WORKING GROUP

A Governor-directed multi-disciplinary Produced Water Working Group completed a high level look at the issues specific to reuse of produced water in Oklahoma. The most economically feasible solutions included evaporation technologies and reuse of water within the oil and gas industry via a network of pipelines. A final report with the results of the feasibility study will be published this summer.

AQUIFER STORAGE & RECOVERY

The OWRB has developed new groundwater rules due for legislative approval this session, which allow entities to develop an Aquifer Storage and Recovery program within the state. Upon successful completion of the OWRB and ODEQ permitting process, an entity may store water by recharge of an aquifer with approved water to be recovered later for use in its water treatment plant. The amount of water available for recovery will be subject to an approved Site Specific Aquifer Storage and Recovery Plan that will be updated annually via continued monitoring and reporting.
WATER & WASTEWATER SYSTEM FINANCING

As the State’s primary water and wastewater infrastructure financing agency, the OWRB has provided more than $3.8 billion in financial assistance to Oklahoma communities, rural water districts, schools, and other authorities at an estimated savings of $1.3 billion over conventional financing. This is due, in part, to the continued achievement of a AAA bond rating by S&P on the basis of the Board’s innovative management of the programs. The programs protect the health and safety of Oklahomans by providing funding to the meet the critical need for safe drinking water supplies and adequate wastewater treatment. For each federal dollar invested, the programs provide an average of 3.5 dollars in infrastructure financing with 100 percent of the costs funded through administrative fees.

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<table>
<thead>
<tr>
<th>Activity</th>
<th>Amount</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appraisal</td>
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<tr>
<td>Revolving</td>
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</tr>
<tr>
<td>Total</td>
<td>$12,475,964</td>
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TOTAL ESTIMATED SAVINGS: $1,307,112,702

VALIDATION OF CLEAN WATER FOR ALL OKLAHOMANS

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JULIE CUNNINGHAM, EXECUTIVE DIRECTOR

julie.cunningham@owrb.ok.gov

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