

## **FY 2014 Basin Study Program**

### **Missouri River Headwaters Basin, Montana Department of Natural Resources and Conservation**

**Federal Funding: \$415,000 Non-Federal Funding: \$455,000**

Reclamation and Montana will partner to evaluate adaptation and mitigation strategies and tradeoff analysis to coordinate federal, state and Tribal water planning. The Missouri River Headwaters Basin encompasses 50,000 square miles of rivers running into the Missouri River headwaters in Montana including flows from tributaries including Gallatin, Jefferson, Madison, Beaverhead, Ruby, Big Hole, Dearborn, Smith, Sun, Teton, Marlas, Judith and Musselshell rivers. The basin includes Reclamation's Pick-Sloan Missouri Program, which provides water for irrigation, municipal and industrial use and hydropower from five multi-use projects, Montana's irrigation projects through multiple reservoirs including one with hydropower capability, and the Blackfeet, Rocky Boys Reservation and Fort Belknap Reservations, which have water rights interest in the basin. Reclamation is also conducting a climate risk assessment in the basin and it will be used to inform the basin study process.

### **Upper Deschutes Basin, Deschutes Basin Board of Control**

**Federal Funding: \$750,000 Non-Federal Funding: \$750,000**

The study builds upon past work to update groundwater and surface water models, develop a basin specific climate analysis, update supply and demand projections and identify specific actions that can be taken to resolve water issues in the basin. Study results will be used to build a long term basin water management plan to guide sustainable water management actions in the future. The study brings together a diverse set of stakeholders to seek specific solutions for resolving water supply and demand imbalances for agriculture, municipal and environmental uses.

### **Upper Red River Basin, Oklahoma Water Resources Board**

**Federal Funding: \$640,000 Non-Federal Funding: \$972,000**

Oklahoma Water Resources Board, Lugert-Altus Irrigation District and Mountain Park Master Conservancy District will work with Reclamation to assess water supply and demand imbalances and evaluate water management actions under a range of potential future uncertainties. The basin encompasses more than 4,000 square miles in 9 counties in southwest Oklahoma. It includes wildlife management areas and provides water to Altus Air Force Base, irrigation for approximately 48,000 acres and multiple rural communities.