



Institute for Water Resources

April 2012

2011 M&I Water Supply Database

2012-R-02



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This report provides data on projects operated and maintained by the U. S. Army Corps of Engineers that contain storage space for municipal and industrial (M&I) water supply. Data are limited to those projects where storage has been authorized and/or is under a repayment through either a storage or surplus water agreement. The data are current as of 31 December 2011 and updates the 2010 data contained in IWR Report 2011-R-06 dated June 2011.

These reports are produced by the U.S. Army Engineer Institute for Water Resources, Fort Belvoir, VA.

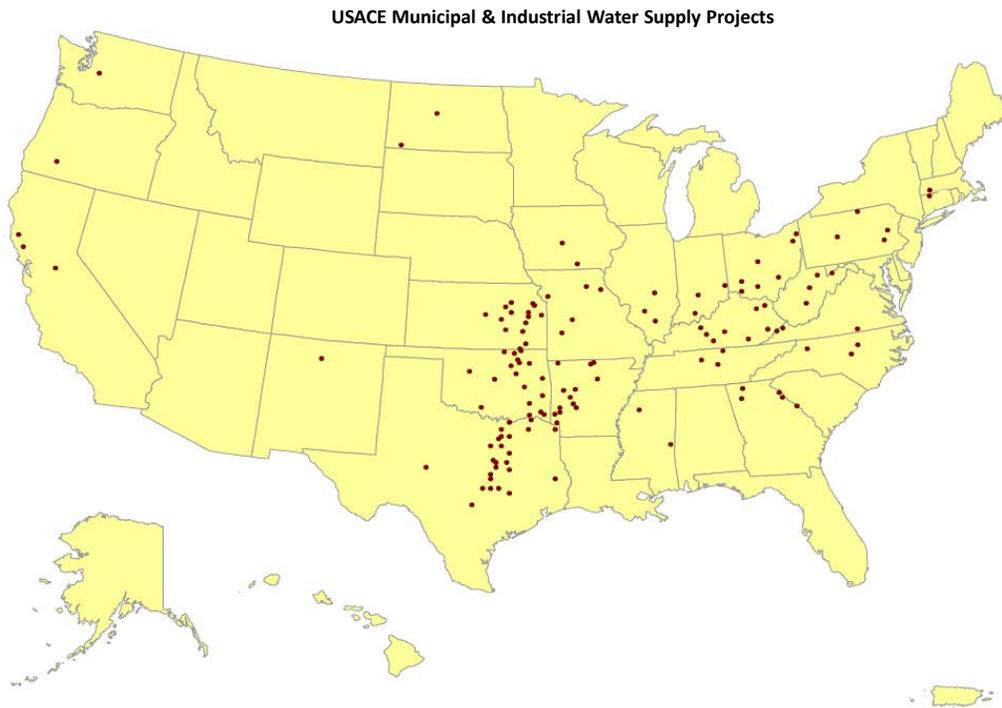
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2011 M&I Water Supply Database

**U.S. Army Corps of Engineers
Institute for Water Resources
Alexandria, VA 22315**



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National Water Supply Business Program Manager**

IWR Report 2012-R-02

1 April 2012

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Denison Dam Lake Texoma, Oklahoma and Texas

The Lake Texoma project is operated and maintained by the Tulsa District. Construction of the lake began in August 1939 and was completed in 1944. The project was originally authorized for flood control and hydropower. Subsequently, water supply, recreation and fish and wildlife have been added as authorized purposes. The first water storage agreement with the city of Denison, Texas was authorized by Public Law 273 passed in 1953. Then in 1957, Public Law 146 set aside 22,600 acre-feet of water supply storage for municipal and industrial (M&I) use by the city of Sherman, Texas (Greater Texoma Utility Authority (GTUA)). Additional M&I was requested and repayment agreements entered into with the Texas Power and Light. A reallocation study was initiated in 1983 when the Red River Authority of Texas requested additional storage space in Lake Texoma. At that time, the Tulsa District reserved 72,600 acre-feet for water supply in an integrated hydropower and water supply conservation pool. The Chief of Engineers has discretionary authority to reallocate up to 50,000 acre-feet or 15% of the conservation pool, whichever is less. The 1983 reallocation covered the 50,000 acre-feet and also included the 22,600 acre-feet congressionally set aside for the city of Sherman, Texas. Then in 1985, the North Texas Municipal Water District (NTMWD) requested a 75,000 acre-foot storage agreement. A reallocation was initiated to address the impacts of reallocating a total of 150,000 acre-feet of storage. This reallocation report also identified a small amount of storage to be set aside for future users. All of the original 150,000 acre-feet of storage is under agreement with water supply customers.



Denison Dam Lake Texoma, OK & TX

Once the 1985 reallocation was completed, the NTMWD and the GTUA lobbied for additional storage for future use. In 1986, Public Law 99-662, Section 838 was passed. This law authorized the reallocation of an additional 300,000 acre-feet of hydropower storage to water supply storage. Under terms of the Red River Compact, the law specifically set aside 150,000

acre-feet of storage for Texas and 150,000 acre-feet of storage for Oklahoma. The law also included guaranteed credits to the power marketing agency for the reallocation of hydropower storage.

The full 300,000 acre-feet of storage authorized under Section 838 of PL 99-662 were identified in the reallocation report. Following completion of the study, Oklahoma did not have a need for its 150,000 acre-foot apportionment; however, Texas did have a need and placed all its allotted 150,000 under repayment agreements. The NTMWD entered into a storage agreement for 100,000 acre-feet and the GTUA entered into a storage agreement for 50,000 acre-feet. Both entities made the decision to pay for the storage upfront in a lump sum payment. In FY 2011, approximately \$60M was credited to the U.S. Treasury when the lump sum payments were received by Tulsa District. And according to the Public Law, the Power Marketing Agency, Southwestern Power Administration, was given the hydropower credits guaranteed to them by law. The two water supply customers will continue to pay annual joint-use operations and maintenance under terms of the agreement each year.

Preface and Acknowledgement

PREFACE

This report provides data on projects operated and maintained by the U. S. Army Corps of Engineers (Corps) which contain storage space for municipal and industrial (M&I) water supply. Data are primarily limited to those projects where storage has been authorized and/or is under repayment through either a storage or surplus water agreement. The data are current as of 1 March 2012 and updates the 2010 data contained in IWR Report 11-R-06 dated July 2011. A paragraph is also provided on the Corps involvement in irrigation. This involvement is mostly centered in the Western States and is primary responsibility of the Bureau of Reclamation.

The data in this report have been in the process of being developed through the Corps' Operation & Maintenance Business Information Link (OMBIL). Developing the data in the automated OMBIL eliminates the need to update the data through yearly paper data calls plus provides a method to collect a significant amount of additional information. The development of the water supply module has been a difficult process and resulted in several meetings where district and MSC representatives met with the contactor (CDM of Carbondale, IL) and IWR to go over the procedures and actually load the data from water supply agreements. It is anticipated the complete loading of the data into OMBIL will be finalized by September 2012. Our OMBIL program does not cover irrigation.

The intent of the water supply business line manager is to issue a water supply database report on an annual basis. This report is intended for use by district and division personnel to assist in the management of their M&I water supply program and for Washington level personnel in preparation of yearly progress reports and for responding to requests from the public, Congress and the Administration.

ACKNOWLEDGEMENT

Many individuals in the Corps' Major Subordinate Commands (MSCs) and districts are to be thanked for their actions in the development of the water supply module of OMBIL. Of particular note are the MSC Water Supply Business Program Managers: William Sutyak (NAD), Terry Stratton (SAD), Ronny Sadri (LRD), Kevin Curran (MVS), Jim Fredericks (NWD), S.T. Su (SPD) and Gloria Pena (SWD). There are many additional division and district individuals who assisted these program managers, many of which I am not even aware. To these individuals, I want to provide my thanks and appreciation for a job well done.

Special recognition needs to be awarded to Janet Hotubbee of our Tulsa District who supplied the picture and write up on the Denison Dam project. Over the years, Janet has been a constant source of knowledge and support not only to the water supply business line manger but to the water supply mission of the Corps of Engineers. Her vast knowledge and tireless effort has permitted her to not only manage over 140 water supply agreements in 26 projects, but also to serve as a sounding board and source of reference for water supply questions from employees all across the water supply community. Her many achievements reflect great credit upon herself, the U.S. Army Corps of Engineers and the Nation.

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ANNEX I

Agreement Data, Storage Space and Costs and Remaining Principal by Agreement

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A. BACKGROUND

1. Federal Interest. The national policy of the United States and the role of the U.S. Army Corps of Engineers (Corps) regarding water supply as defined by Congress, has been developed over a number of years beginning with the War Department Civil Appropriations Act of 1938 followed by the 1944 Flood Control Act, the 1958 Water Supply Act and the 1986 Water Resources Development Act (WRDA). This policy recognizes that states and non-Federal entities have the primary responsibility in the development and management of their water supplies including the financial responsibility of providing supplies to users. The Corps may participate in developing water supplies in connection with water resource improvements in the construction, operation, maintenance, and modification of Federal navigation, flood control or multiple purpose projects when certain conditions of non-Federal participation are met.

2. Policies.

a. Municipal and Industrial. The term “municipal and industrial” (M&I), while not defined in legislative history, has been defined by the Corps to mean supply for uses customarily found in the operation of municipal and community water systems and for uses in industrial processes. Industrial processes can include thermal power generation and mining operations. Municipal uses include household, commercial and public supplies. Under the terms of the 1958 Water Supply Act (WSA) (Title 111 of PL 85-500) the Corps enters into agreements for water supply storage space. The term “storage” conveys the right to store a resource (water) in a Corps reservoir project. The right to withdraw water from the storage space is a separate water rights issue that is the responsibility of the water user to obtain. Agricultural irrigation is not ordinarily found among customers of a municipal system and, therefore, is not eligible to be included in a project under the M&I authority unless so specifically authorized by Congress. The primary Corps’ authority in water supply is linked to this M&I mission as spelled out in the 1958 WSA and is normally referred to as the Corps “storage” authority. Under this authority the Corps sells storage space, not water, and does not guarantee the quantity or quality of the water to be withdrawn. Local sponsors are responsible for requiring all necessary water rights.

b. Surplus. Section 6 of the 1944 Flood Control Act (Public Law 78-534) is normally referred to as the Corps “surplus water” authority and is normally used as a temporary measure. Under this authority the Secretary of the Army is authorized to enter into agreements for surplus water with states, municipalities, private concerns, or individuals at any reservoir under the control of the department of the Army. The price and terms of the agreements may be as the Secretary deems reasonable. These agreements may be for domestic, municipal and industrial uses, but not for crop irrigation. Under Corps procedures, surplus water will be classified as one of the following:

- Water stored in a Department of the Army reservoir that is not required because the authorized need for the water never developed.
- The need was reduced by changes that have occurred since authorization or construction.
- Water that would be more beneficially used as municipal and industrial water than for the authorized purposes that when withdrawn, would not significantly affect authorized purposes over some specific period.

c. Agricultural. The Reclamation Act of 1902 established irrigation in the West as a national policy. For purposes of Reclamation Law, the West is defined as those 17 contiguous states lying partially or wholly west of the 98th meridian. Section 8 of the 1944 Flood Control Act (PL 78-534) relates to Corps projects in these states with irrigation features. The law provides that Corps reservoirs may include irrigation as a purpose upon the recommendation of the Secretary of the Interior. Section 8 also provides Interior (in those 17 Western States) with the authority to provide the irrigation works at Corps projects needed to make use of the irrigation storage. It is Interior's responsibility to construct, operate and maintain the additional irrigation works and to contract for the storage space. In areas outside the western states, the Corps is responsible and the policies established by subsection 103(c) (3) of WRDA 1986 are followed for cost and repayment responsibilities.

d. Interim Use Irrigation. Section 931 of the 1986 Water Resources Act (PL99-662) modifies Section 8 of the 1944 Flood Control Act. This authority authorizes the Secretary of the Army, in Corps reservoir projects, to allocate water which was allocated in the project for M&I purposes and which is not under contract for M&I use, to be used for irrigation. Such water may be used for irrigation until the storage is required for M&I, providing such use for irrigation would no significantly affect then-existing use of such storage.

e. Contributed Funds. Section 111 of the Fiscal Year 2012 Energy and Water Development Appropriations Act (Public Law 112-74, Division B) amends the contributed funds authority authorized by Public Law 75-208 (the War Department Civil Functions Act of 1938) and codified in 33 U.S.C. 701h. The 2012 legislation expands 33 U.S.C. 701h authority to allow the Corps to accept voluntarily contributed funds from States and political subdivisions, to include all water resources development project purposes. This is especially important to water supply as it authorizes the Corps to receive non-Federal contributed funds for studies, including reallocation studies.

f. Amendments and Related Authorities.

- (1) Section 10, Public Law 87-88 (the Federal Water Pollution Control Act Amendments of 1961) modified the 1958 WSA to permit the acceptance of assurances for future water supply to accommodate the construction cost payments for future water supply.
- (2) Public Law 88-140 extended to the non-federal sponsor of water supply storage the right to use the storage for the physical life of the project subject to repayment of project and annual costs.
- (3) Section 221 of Public Law 91-661 required a written agreement by the non-federal sponsor prior to construction to furnish its required cooperation for the project.
- (4) Section 932 of Public Law 99-662 modified the 1958 WSA for Corps projects, but not for Bureau of Reclamation projects. The amendment eliminated the 10-year interest free period for future water supply, modified the interest rate formula, limited repayment to 30 years, and required annual operation, maintenance and replacement (OM&R) costs to be reimbursed annually. This later requirement has always been a part of Corps policies and procedures.

- (5) Section 322 of Public Law 101-640 authorized, at the discretion of the Secretary of the Army, a reduced price of water for low-income communities when storage is reallocated and the cost of the reallocated storage is determined by the updating procedure.

3. Database History.

a. 1996. The M&I water supply database was originally developed and maintained by the Corps on a continual basis as the agreements were approved. The database consisted of the date of contract approval, storage space and costs, and the local sponsor. Data on irrigation storage was first compiled by the Corps in a 1982 survey of the districts. This was a onetime data call and the data were never updated. The first available on line database of both M&I and irrigation storage is contained in the *Water Supply Handbook*, IWR Report 96-PS-6, dated December 1998 and is based on a 1996 survey. This report can be found at: <http://www.iwr.usace.army.mil/docs/iwrreports/96ps4.pdf>

b. 2004. M&I water supply was established as one of the eight business programs for Corps' budgeting purposes in the fiscal year 2005 budget. In order to manage this business program properly it was necessary to update certain data and develop new data that could be used to assess the performance of the water supply program. By memorandum dated 6 May 2004, the Chief of the Programs, Directorate of Civil Works called for an update of this 1996 data as well as the collection of new data. The data were developed and is presented in IWR Report 05-PS-1 titled "Water Supply Database 2004 Survey." This report can be found at: <http://www.iwr.usace.army.mil/docs/iwrreports/IWRReport05-PS-1.pdf>

c. 2005. The data were again updated in 2005 as a result of a 15 March 2005 memorandum from the Chief of Programs Integration Division, Directorate of Civil Works. The purpose of this memorandum was to get a better understanding of M&I storage space for which costs were not being recovered and directed the districts to initiate a 4-phase water availability initiative. While the focus of this initiative was on storage not yet under contract, by that action, the storage space and costs of storage under contract were reviewed and updated as necessary. This 2005 data was presented in IWR Report 06-PS-1 dated April 2006 and can be found at: <http://www.iwr.usace.army.mil/docs/iwrreports/IWRRpt06-PS-1.pdf>

d. 2009. To eliminate the need for yearly data calls to the MSCs and districts to update the water supply database, in the spring of 2006 efforts were initiated to develop within the Operation and Maintenance Business Information Link (OMBIL), a module for M&I water supply. The OMBIL system uses automated tools to extract information from existing databases that are maintained for specific tracking and reporting purposes. The primary objective of OMBIL is to support results-oriented management within the O&M community. The 2009 database was a combination of data loaded into OMBIL and where not entered, the data from the 2006 report was used. The 2009 M&I Water Supply Database report can be found at: <http://www.iwr.usace.army.mil/docs/iwrreports/10-R-2.pdf>

e. 2010. The 2009 database report was updated in 2010. This 2010 M&I Water Supply Database report can be found at: <http://www.iwr.usace.army.mil/docs/iwrreports/2011-R-06.pdf>

B. MUNICIPAL AND INDUSTRIAL WATER SUPPLY 2011 DATABASE

1. General. Of the approximately 380 Corps reservoir projects operated and maintained by the Corps, 134 contain storage space for M&I water supply. A list of these 134 projects by MSC and district with corresponding M&I water supply storage space and yield is provided at **Appendix A**. These projects are located in 23 of the Corps 38 Civil Works districts. A detailed breakout by district, project and agreement is provided as **Annex I**. In this annex, for each of the agreements, data are provided on: type, date, yield and interest of the agreement; assigned storage space and cost by present, future, not under contact, total and total for the project; and the remaining principal owed on the storage space.

2. Data Summary by MSC. The national M&I water supply totals, summarized by MSC are shown in **Table 1**. As shown, the 134 projects contain 9.8 million acre-feet of storage space allocated for M&I water supply with a corresponding investment cost of \$1.5 billion. Nationwide, there are 335 separate repayment agreements through which local sponsors have repaid 55% of the investment cost including any outstanding interest. There are no water supply storage projects in the Pacific Ocean Division. This table shows data for only current valid agreements in force. Of the 335 agreements listed: 324 are under the 1958 Water Supply Act, as amended; eight are under Section 6 of the 1944 Flood Control Act (surplus water) and three are under Section 931 of the 1986 Water Resources Act (Interim use of M&I water for irrigation). Nine of the 324 agreements are only for water supply conduits. The list of M&I projects does not include projects where incidental benefits occur for water supply because water supply users can withdraw water that is normally available for other purposes without a direct repayment agreement. Such projects include Buford Dam/Lake Lanier, GA, the Central and Southern Flood Control project in Florida, several projects in Kansas, and lock and dam projects where a navigation pool is maintained and non-Federal water supply users have intakes in the pool.

Table 1: M&I Water Supply Storage Summary by MSC

| MSC | No. of Projects | No. of Agreements | Storage Space (acre-feet) | | | | Investment Cost (\$000) | | Still Owed |
|--------------|-----------------|-------------------|---------------------------|-----------------------|--------------------|------------------|-------------------------|--------------------------------|------------|
| | | | Under Contract Present | Under Contract Future | Not Under Contract | Total | Total Costs Owed | Remaining Balance to be Repaid | |
| NAD | 7 | 7 | 167,435 | 0 | 0 | 167,435 | 141,267 | 59,353 | 42% |
| SAD | 10 | 25 | 209,623 | 0 | 0 | 209,623 | 35,147 | 14,009 | 40% |
| LRD | 28 | 47 | 602,582 | 0 | 21,600 | 624,253 | 78,204 | 34,262 | 44% |
| MVD | 8 | 14 | 231,222 | 201,595 | 13,293 | 446,110 | 46,421 | 22,282 | 48% |
| NWD | 17 | 35 | 473,646 | 438,630 | 101,877 | 1,014,153 | 128,978 | 71,588 | 56% |
| SPD | 4 | 4 | 565,000 | 0 | 0 | 565,000 | 127,706 | 100,980 | 79% |
| SWD | 60 | 203 | 5,730,305 | 713,605 | 290,919 | 6,734,829 | 946,632 | 370,903 | 39% |
| Total | 134 | 335 | 7,979,884 | 1,353,830 | 427,689 | 9,761,403 | 1,504,354 | 673,377 | 45% |

The term “Under Contract Present” indicates the sponsor has already repaid the investment cost owed or is in the process of repaying. “Under Contract Future” indicates the sponsor has signed an agreement to repay the costs, but has not yet initiated payments. “Not under Contract” is where a state or local interest gave reasonable assurances that there would be a demand in the future for the water but a repayment contact has not yet been signed. Additional information on the not under contact category is provided in following paragraph 5. Of the 333 agreements,

seven are just for water conduits. There are also 62 separate activate future actions where the districts have converted future use storage to present use storage.

3. Comparison of Storage Space to Earlier Data. The comparison of storage volumes between the five data bases (1996, 2004, 2005, 2009, 2010 and 2011) are shown in **Table 2**. The changes in storage volume are due to several factors: reallocation actions, supplementing future use agreements, expiring agreements and the necessity (required by OMBIL) of district representatives getting back into old agreements and actually loading data into the module rather than relying on paper updates. The increase shown in storage in 2009 was primarily caused by the inclusion of some old agreements that had expired.

Table 2: Comparison of Storage Space

| Survey Date | Storage Space (acre-feet) | | | |
|-------------|---------------------------|------------|--------------------|------------|
| | Present Use | Future Use | Not Under Contract | Total |
| 1996 | 6,335,393 | 2,410,539 | 778,699 | 9,524,631 |
| 2004 | 7,002,679 | 2,105,660 | 747,554 | 9,855,893 |
| 2005 | 7,185,969 | 2,169,670 | 404,837 | 9,760,476 |
| 2009 | 9,523,787 | 991,027 | 627,480 | 11,142,294 |
| 2010 | 8,004,086 | 1,251,865 | 414,709 | 9,671,126 |
| 2011 | 7,979,884 | 1,353,830 | 427,689 | 9,761,403 |

4. Distribution of M&I by Storage Space and Project. From Table 1 it is obvious that Corps projects with M&I water supply storage are centralized in our Southwestern Division. The distribution of the percent of projects and storage space by Corps MSC is shown in **Table 3**. Again it must be recognized that this distribution does not recognize the indirect water withdrawals identified in above paragraph 2 which impacts primarily SAD, LRD and NWD.

Table 3: Percent Distribution of M&I Water Supply by MSC

| MSC | Percent of M&I Projects (%) | Percent of M&I Storage (%) |
|-----|-----------------------------|----------------------------|
| NAD | 5.2 | 1.7 |
| SAD | 7.4 | 2.2 |
| LRD | 20.9 | 6.3 |
| MVD | 6.0 | 4.6 |
| NWD | 12.7 | 10.4 |
| SPD | 3.0 | 5.8 |
| SWD | 44.8 | 69.0 |

5. Not under Contract. Not under contact is M&I storage space included in projects under the original project authority in accordance with the 1958 Water Supply Act prior to its amendment by Section 932 of 1986 WRDA. Some 427,689 acre-feet of storage remains in this not under contract category. This storage is located in 14 projects in five districts and in four MSCs. The total not under contract storage, including conduits in three cases, has a corresponding repayment investment cost of \$62.3 million. These data are shown in **Table 4**. In this table, the total actual repayment by any prospective sponsor can be greater than the investment cost shown as interest

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after the 10-year interest free period must be included. While not under contract for repayment through M&I water supply agreements, the storage space may be used for other authorized purposes such as hydroelectric power, environmental purposes, recreation, etc.

Table 4: Storage Not Under Contract

| MSC | District | Project | Storage Space (acre-feet) | Investment Cost (\$) |
|--------------|----------|------------------------------------|---------------------------|----------------------|
| LRD | LRP | Berlin Lake, OH (includes conduit) | 19,400 | 2,449,699 |
| | | Stonewall Jackson, WV | 2,200 | 4,300,000 |
| MVD | MVK | DeGray, AR | 13,293 | 329,496 |
| NWD | NWP | Lost Creek | 6,177 | 4,161,259 |
| | NWK | Long Branch, MO | 20,000 | 5,083,005 |
| SWD | SWT | Smithville Lake, MO | 75,700 | 13,310,958 |
| | | Birch Lake, OK (includes conduit) | 7,630 | 3,730,240 |
| | | Broken Bow Lake, OK | 144,085 | 3,825,419 |
| | | Copan, OK | 2,500 | 2,686,900 |
| | | Eufaula Lake, OK | 27,636 | 2,217,061 |
| | | Hugo Lake, OK | 2,198 | 126,011 |
| | | Kaw Lake, OK | 80,211 | 18,427,863 |
| | | Keystone OK (includes conduit) | 2,000 | 203,465 |
| | | Skiatook Lake, OK | 24,659 | 1,472,286 |
| TOTAL | | 14 Projects | 427,689 | 62,323,662 |

6. Location of Projects. The 134 Corps multipurpose reservoir projects that contain storage space for M&I water supply are located in 25 states. This distribution by state with the number of projects and storage space is provided in **Table 5**.

Table 5: Distribution of M&I Water Supply Projects by State

| State | Number of Projects | Storage Space (acre-feet) | State | Number of Projects | Storage Space (acre-feet) |
|----------------|--------------------|---------------------------|----------------|--------------------|---------------------------|
| Arkansas | 13 | 613,723 | North Dakota | 2 | 69,890 |
| California | 3 | 387,000 | New Mexico | 1 | 178,000 |
| Connecticut | 1 | 50,200 | Ohio | 7 | 190,964 |
| Georgia | 4 | 47,775 | Oklahoma | 18 | 1,521,006 |
| Iowa | 2 | 21,580 | Oregon | 1 | 10,000 |
| Illinois | 3 | 166,406 | Pennsylvania | 5 | 69,790 |
| Indiana | 3 | 378,958 | South Carolina | 1 | 3,833 |
| Kansas | 14 | 1,068,593 | Tennessee | 3 | 27,402 |
| Kentucky | 9 | 15,611 | Texas | 25 | 4,509,511 |
| Massachusetts | 1 | 9,400 | Virginia | 3 | 24,575 |
| Missouri | 5 | 189,993 | Washington | 1 | 20,000 |
| Mississippi | 2 | 17,608 | West Virginia | 4 | 45,435 |
| North Carolina | 3 | 123,800 | | | |

We have eight projects that are located on the border of two states. They are: Jennings Randolph, WV&MD, John K. Kerr, VA&NC, Hartwell, GA&SC, J. Strom Thurman SC&GA, Richard B.

Russell, GA&SC, Dale Hollow, TN&KY, Youghiogheny, PA&MD and Denison Dam Lake Texoma, TX&OK. In these cases the first and underline state is the primary designation.

7. Local Sponsors. Corps water supply agreements under both present and future use are with a variety of local sponsors: states (including commonwealths), river basin commissions, counties, cities, industry, private individuals and Indian Tribes. A summary of the M&I storage distribution by local sponsor is provided as **Table 6**. In the table, River Basin Commissions are located in two states, Pennsylvania and Texas. Utilities and water districts have the most storage space followed closely by cities and then states/commonwealths and then river basin commissions. The order of the number of agreements does not change much except the order of states/commonwealths and river basins switch order and the “county” drops to the lowest number of agreements. The “other” include 13 agreements with private individuals for a total of 75 acre-feet of storage space, combinations of city/county/water districts, Boy Scout camps, Indian Tribes and one agreement with a city; Federal/Interstate Commission; Utility/Water District.

Table 6: Storage Distribution by Non-Federal Sponsor

| Type of Sponsor | Storage Space (acre-feet) | | No. of Agreements | |
|-----------------------------|---------------------------|--------------|-------------------|--------------|
| | Acre-feet | % | Number | % |
| Utilities / Water Districts | 3,294,801 | 35.3 | 133 | 39.7 |
| Cities | 2,510,769 | 26.9 | 79 | 23.6 |
| States / Commonwealths | 1,418,724 | 15.2 | 30 | 8.9 |
| River Basin Commissions | 1,110,712 | 11.9 | 32 | 9.6 |
| County | 298,679 | 3.2 | 5 | 1.5 |
| Industries / Corporations | 158,673 | 1.7 | 23 | 6.9 |
| Other | 541,356 | 5.8 | 33 | 9.8 |
| TOTAL | 9,333,714 | 100.0 | 335 | 100.0 |

8. Reallocations.

a. National Summary by District. As the Corps has not constructing new multipurpose reservoir projects that could include M&I water supply storage for a number of years, an increasing necessity to meet the demands of state and local interests is through reallocations. The national summary of our reallocations, summarized by district is shown in **Table 7**. A detailed summary of reallocations by agreement is provided in **Appendix B**. The appendix provides this detailed breakout by district, date of agreement, source of reallocated storage and method employed to determine the cost. See following paragraph d for a definition of “Agreement Cost.”

Table 7: Reallocations by District

| MSC | District | Projects (Number) | Agreements (Number) | Years Reallocated (Between) | Storage Space Reallocated (acre feet) | Agreement Cost (\$) |
|--------------|-----------|-------------------|---------------------|-----------------------------|---------------------------------------|---------------------|
| NAD | NAB | 2 | 2 | 1986 - 1994 | 30,960 | 50,753,000 |
| SAD | SAW | 1 | 4 | 1984 - 2006 | 21,115 | 4,806,337 |
| | SAS | 3 | 13 | 1964 - 2002 | 31,279 | 6,761,636 |
| | SAM | 2 | 4 | 1963 - 1991 | 20,329 | 3,837,839 |
| LRD | LRH | 4 | 5 | 1989 - 2010 | 9,495 | 5,097,413 |
| | LRL | 4 | 6 | 1978 - 2006 | 4,111 | 549,599 |
| | LRN | 4 | 17 | 2003 - 2011 | 28,507 | 16,309,847 |
| | LRP | 1 | 1 | 2010 | 2,950 | 2,557,949 |
| MVD | MVK | 2 | 2 | 1996 - 1998 | 6,075 | 1,222,649 |
| NWD | NWK | 6 | 12 | 1986 - 2002 | 201,963 | 28,958,153 |
| SWD | SWL | 6 | 19 | 1970 - 2010 | 65,826 | 6,723,362 |
| | SWF | 1 | 1 | 1984 | 47,526 | 15,242,000 |
| | SWT | 7 | 50 | 1953 - 2011 | 376,066 | 91,577,613 |
| Total | 13 | 43 | 136 | 1953 - 2011 | 846,202 | 234,397,577 |

b. Size of Reallocation Program. The size of the reallocation program compared to the total water supply program is shown in **Table 8**. The data in the table shows for the program as a whole, the reallocation agreements are smaller but the cost is greater. This is due to our policy of a limit on the maximum we can reallocate and our cost updating methodology.

Table 8: Size of Reallocation Program

| Item | Projects | Agreements | Storage Space (acre-feet) | Assigned Cost (\$) |
|-------------------------|----------|------------|---------------------------|--------------------|
| Total Program | 134 | 335 | 9,761,403 | 1,504,354,513 |
| Reallocation | 43 | 136 | 846,202 | 234,397,577 |
| % Reallocation of Total | 32% [1] | 41% | 9% | 16% |

Footnote [1]: Many of our projects contain both originally authorized as well as reallocated storage, but 32% do contain some reallocated storage.

c. Progression of Reallocations by Decade. While our water supply reallocation activity dates back to the 1950s, it has become more prevalent since the mid-1980s after enactment of WRDA 1986 and the policies that have emanated from that Act. The progression by decade of the number of signed agreements, storage space and assigned costs as a result of reallocations, are shown in **Table 9**. Over the past few years it has become increasingly difficult to perform reallocation studies due to the inability to obtain funding in the budget for these studies. The activity in 2010 was mostly the result of two agreements at Denison Dam, Lake Texoma, OK & TX in the Tulsa District: 100,000 acre-feet to the North Texas Municipal Water District and 50,000 acre-feet to the Greater Texoma Utility Authority. The reallocation at this project was possible because of legislation enacted in WRDA 1986 for the Corps to reallocate 300,000 acre-feet in the project from hydropower to M&I water supply. The 1950s reallocation was the result of specific legislation. Public Law 82-273, approved 14 August 1953 provided for 21,300 acre-feet of storage to be reallocated at the Denison Dam, TX and OK project for water supply for the City of Denison, TX.

Table 9: Reallocations by Decade

| Decade | No. of Agreements Signed | Storage Space (acre-feet) | Total Agreement Cost to be Repaid (\$) |
|--------------|--------------------------|---------------------------|--|
| 1950s | 1 | 21,300 | 292,861 |
| 1960s | 9 | 38,078 | 2,085,417 |
| 1970s | 10 | 26,900 | 1,358,861 |
| 1980s | 14 | 185,702 | 77,512,856 |
| 1990s | 56 | 279,825 | 51,558,288 |
| 2000s | 36 | 105,501 | 32,284,182 |
| 2010s | 9 | 188,896 | 70,305,112 |
| TOTAL | 136 | 846,202 | 234,397,577 |

d. Source of Reallocated Storage. Reallocations come from various pools within the reservoir. This breakout by the reallocated purpose and the corresponding storage space and cost to be recovered is shown in **Table 10**. Hydropower has been the most affected by reallocations followed by the flood pool. Most of the water quality reallocations are the result of a Memorandum of Understanding signed between the state of Kansas and the Corps in December 1985.

Table10: Source of Reallocated Storage

| Source of Reallocated Storage | No. of Agreements Signed | Storage Space Reallocated | Total Agreement Cost (\$) |
|----------------------------------|--------------------------|---------------------------|---------------------------|
| Hydropower Pool | 55 | 411,940 | 117,009,129 |
| Flood Pool | 49 | 118,314 | 52,249,084 |
| Water Quality Pool | 12 | 179,310 | 21,889,688 |
| Conservation / Multipurpose Pool | 13 | 82,865 | 27,412,130 |
| Not Available [1] | 7 | 53,773 | 15,837,546 |
| TOTAL | 136 | 846,202 | 234,397,577 |

Footnote: [1] The district record is uncertain as to the source of the reallocated storage.

e. Cost of Storage. Various means are employed to determine the cost assigned to the reallocated storage. These differing means have evolved over the years as a result of policy. Original cost was used when the assigned cost was based on the use-of-facilities cost allocation method applied to the original project cost. In 1977 the Corps policy changed to adjusting the repayment cost to the highest of benefits or revenues foregone, replacement cost or the updated cost of storage. There are also several reallocations performed as a result of specific or generic authorization. The summary of these methods used to determine costs is provided in **Table 11**. It is obvious that the updated cost of storage is by far the most prevalent method used to determine the cost of reallocated storage with 64% of the agreements and storage space and 86% of the costs are determined in that manner.

Table 11: Method Used to Determine Cost of Reallocated Storage

| Method Used to Determine Cost | No. of Agreements Signed | Storage Space Reallocated (acre-feet) | Total Agreement Cost (\$) |
|-------------------------------|--------------------------|---------------------------------------|---------------------------|
| Original Cost | 12 | 63,469 | 2,605,939 |
| Benefits Foregone | 12 | 37,828 | 9,718,754 |
| Revenues Foregone | 2 | 2,907 | 393,628 |
| Replacement Cost | 4 | 1,204 | 155,971 |
| Updated Cost of Storage | 86 | 549,712 | 201,902,942 |
| Kansas MOU | 10 | 173,000 | 19,168,756 |
| Reduced FC Costs | 8 | 17,260 | 367,731 |
| Other | 2 | 822 | 83,856 |
| TOTAL | 136 | 846,202 | 234,397,577 |

9. Revenues Received Versus Costs of Collection. All revenues received from the sponsors for M&I water supply are deposited into the U.S. Treasury. This requirement dates back to at least Section 6 of the 1944 Flood Control Act (33 U.S.C. § 708) (58 Stat. 890). Revenues are comprised of the repayment of investment costs, all of the various types of interest, and the assigned portion of the yearly operation, maintenance, repair, replacement and rehabilitation (O&M) costs. There are several categories of interest: (1) on principal, (2) charged after the 10-year interest free period (when applicable), (3) additional interest if the above interest “(2)” is capitalized, and (4) interest on late payments. Costs of collection include the manpower required by the districts to determine these costs, bill the sponsor, collect the revenue and return the revenue to the U.S. Treasury. Data obtained from Corps of Engineers Financial Management System is provided in **Table 12**. While water supply revenues have been returned to the U.S. Treasury as far back as at least 1944, the tracking of these revenues to water supply was only initiated in fiscal year 2003. The last 5-years of data are provided. As would be expected, the yearly collections vary considerable in those years when big payments are made for one reason or another. For example the fiscal year 2010 payments are large due to the payoff of the Sardis project in the Tulsa District and the reallocation payment at Lake Texoma, also in the Tulsa District. The costs of collection are the expenditures charged by the districts under the O&M work category code 60812 (Water Supply Agreements).

Table 12: CEFMS Revenues and Costs of Collection for Water Supply

| FY | Revenues (\$) | | | | Costs of Collection (\$) |
|------|---------------|------------|------------|-------------|--------------------------|
| | Principal | Interest | O&M | Total | |
| 2007 | 12,978,136 | 17,451,145 | 10,322,461 | 40,751,742 | 523,318 |
| 2008 | 15,310,870 | 16,602,420 | 7,908,186 | 39,821,476 | 524,072 |
| 2009 | 14,650,916 | 16,678,451 | 9,850,025 | 41,179,391 | 779,787 |
| 2010 | 49,223,164 | 32,879,937 | 13,068,819 | 95,171,921 | 1,257,143 |
| 2011 | 80,408,976 | 21,938,600 | 13,434,792 | 115,782,368 | 959,787 |

10. People Served. The Corps sells storage space and not water. Under normal circumstances a local sponsor will request a certain yield in perhaps million gallons of water per day and then the

Corps computes the required acre-feet of storage based on the hydrology and hydraulics of the reservoir and dependability. It has always been a desire to arrive at the number of people Corps projects provide with M&I water. That is impossible because, as noted above, we supply storage to a wide variety of local interests and exactly how these entities parcel out the water cannot be ascertained. A proxy, however, can be developed. It takes nearly 1,200 gallons of water per person per day to meet the total needs of a city including schools, factories, offices and businesses and the many other private and governmental organizations that run a city and make it possible for our daily lives. This differs from what the typical indoor household uses in water per day, which runs from 50 to 85 gallons per person per day, or an average of 67.5 gallons. Based on the various project yields as provided in **Appendix B, Table 13** presents an approximation of total city and indoor household needs that could be met by Corps projects if all storage were utilized. The total storage of about 9.7 million acre-feet will provide a yield of about 6.5 billion gallons of water per day. This yield is theoretically capable of meeting the total city needs of about 5.4 million people or the individual indoor household needs of about 96 million people.

Table 13: Population Served by Corps M&I Water Supply

| Office | Total M&I Storage Space (acre-feet) | Yield from the Storage Space (MGD) | Population Served | |
|------------------------------------|--|---|-----------------------|---------------------|
| | | | Total Requirements | Indoor Household |
| North Atlantic Division | | | | |
| New England | 59,600 | 132.5 | 113,739 | 2,022,279 |
| Philadelphia | 35,880 | 57.4 | 47,833 | 850,470 |
| Baltimore | 71,955 | 240.0 | 200,000 | 3,556,000 |
| Total | 168,575 | 429.9 | 361,572 | 6,428,749 |
| South Atlantic Division | | | | |
| Wilmington | 144,915 | 354.0 | 295,000 | 5,245,100 |
| Savannah | 31,279 | 65.9 | 54,917 | 976,424 |
| Mobile | 33,429 | 48.4 | 40,333 | 717,121 |
| Total | 209,623 | 468.3 | 390,250 | 6,938,645 |
| Lakes and River Division | | | | |
| Huntington | 95,525 | 74.8 | 62,333 | 1,108,281 |
| Louisville | 462,431 | 397.1 | 330,917 | 5,883,704 |
| Nashville | 28,507 | 93.5 | 77,917 | 1,385,362 |
| Pittsburgh | 37,790 | 60.5 | 50,416 | 896,396 |
| Total | 624,253 | 625.8 | 521,583 | 9,223,743 |
| Mississippi Valley Division | | | | |
| Rock Island | 14,900 | 13.3 | 11,083 | 197,056 |
| St. Louis | 186,406 | 127.5 | 106,250 | 1,889,125 |
| Vicksburg | 244,804 | 163.9 | 136,583 | 2,428,446 |
| Total | 446,110 | 304.7 | 253,916 | 4,514,627 |
| Northwestern Division | | | | |
| Omaha | 69,890 | 20.7 | 17,250 | 306,705 |
| Seattle | 20,000 | 33.6 | 28,000 | 497,840 |
| Portland | 10,000 | 8.9 | 7,416 | 131,856 |
| Kansas City | 914,263 | 362.2 | 301,833 | 5,366,591 |
| Total | 1,014,153 | 425.4 | 354,499 | 6,302,992 |
| South Pacific Division | | | | |
| Albuquerque | 178,000 | 0.7 | 583 | 10,366 |
| San Francisco | 282,000 | 248.4 | 207,000 | 3,680,460 |
| Sacramento | 105,000 | 10.3 | 858 | 15,255 |
| Total | 565,000 | 259.4 | 208,441 | 3,706,081 |
| Southwestern Division | | | | |
| Little Rock [1] | 373,419 | 1,345.7 | 1,121,417 | 19,938,794 |
| Ft. Worth | 4,102,732 | 1,270.5 | 1,058,759 | 18,824,735 |
| Tulsa | 2,258,678 | 1,369.9 | 1,141,583 | 20,297,345 |
| Total | 6,734,829 | 3,986.1 | 3,321,759 | 59,060,874 |
| National Total | 9,761,403 | 6,499.6 | 5,412,020 | 96,175,711 |

Footnote: [1] The yield in Little Rock includes a surplus water agreement with a yield of 1,100 mgd, but no storage space.

11. Percent of National Needs Met. As shown in Table 13, M&I storage space in Corps projects is capable of providing approximately 6.5 billion gallons of water per day. The United States

Geologic Survey estimated total offstream withdrawals of 410 billion gallons per day of water for the year 2005, which is the latest year available (<http://water.usgs.gov/watuse/>). Offstream withdrawals occurs when water is withdrawn or diverted from a ground or surface water source for public water supply, industry, irrigation, livestock, cooling for thermoelectric power generation, mining and domestic purposes. The USGS report subdivides the water use into several categories which can be summarized into three main groupings and are shown in **Table 14**.

Table 14: USGS Water use Categories

| Public Supplies | | Industrial | | Agricultural | |
|-------------------------|---------------------|---------------------------------|---------------------|--------------------|---------------------|
| Item | Million gallons/day | Item | Million gallons/day | Item | Million gallons/day |
| <i>Domestic</i> | 44,200 | <i>Self-supplied Industrial</i> | 18,200 | Irrigation | 128,000 |
| Self-supplied domestic | 3,830 | <i>Mining</i> | 4,020 | Livestock watering | 2,140 |
| | | <i>Thermoelectric</i> | 201,000 | Aquaculture | 8,780 |
| Total | 48,030 | | 223,220 | | 138,920 |
| <i>Subtotal M&I</i> | 44,200 | | 223,220 | | 0 |

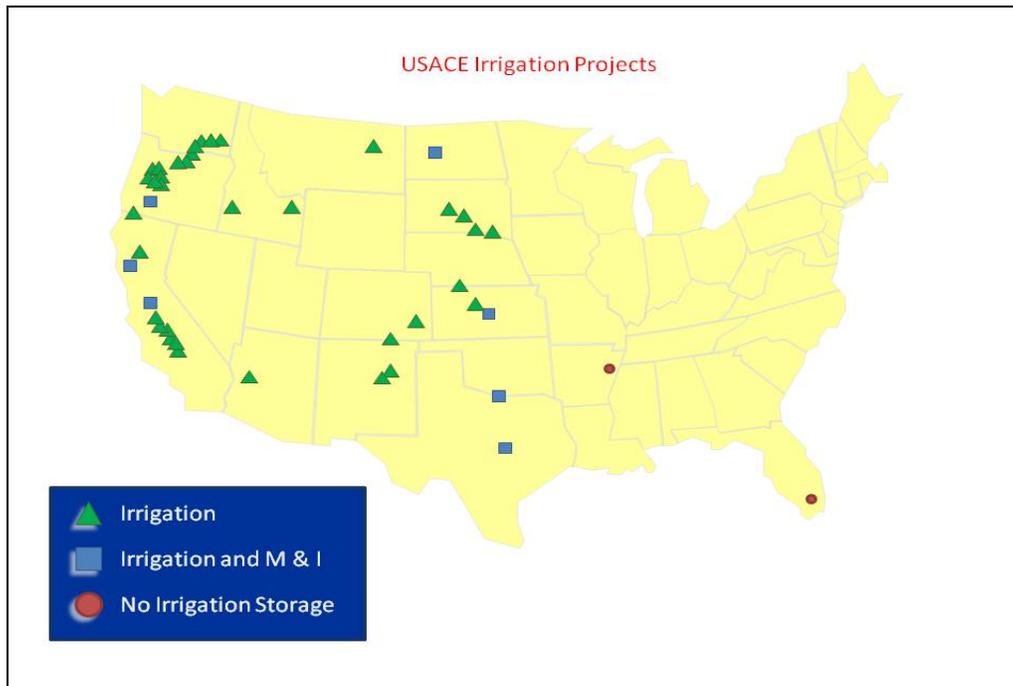
From the Corps' definition of M&I water supply as developed in above paragraph A2a, municipal is shown by italics in the above table as Domestic under "Public Supplies" and industrial by the three items identified by italics in the "Industrial" column. Based on these values, the 6,500 million gallons of water per day from Corps reservoirs could provide about 2.4 percent of the total 267,420 million gallons needed for municipal and industrial use.

12. New M&I Projects. Since the passage of the 1986 WRDA there has been three multipurpose projects that have included M&I water supply: the Little Dell project in Salt Lake City, Utah and the Cerrillos and Portugues projects in Puerto Rico. All projects have been or are in the process of being turned over to the local sponsor for operation and maintenance and are not included in this database. There have, however, been a number of reallocations and project modifications. These actions, to the extent reported, are included in the database.

C. AGRICULTURAL WATER SUPPLY

1. Introduction. Corps lakes in the 17 contiguous Western States in which Reclamation Law applies may include irrigation as a project purpose upon the recommendation of the Secretary of the Interior (Section 8 of Public Law 78-534, the 1944 Flood Control Act). Agricultural water supply is included in Corps reservoir projects in the Western states under repayment agreements between the Bureau of Reclamation and local sponsors. To date, there are no agricultural water supply agreements in Corps reservoir projects in the Eastern states, although "irrigation" can be an authorized project purpose (see following paragraph 3). The location of these projects is shown on the following map.

Map of Corps of Engineers Projects with Irrigation as a Purpose



2. Irrigation Storage in the West. Data on Corps projects with irrigation storage in the West (and under the repayment principles of the Bureau of Reclamation (BOR)) was originally compiled by the Corps in a 1982 survey in response to an inquiry from the U.S. Senate. These data were updated in 1996 and are contained in the *Water Supply Handbook*, IWR Report 96-PS-6, dated December 1998 and then further updated for the 2004 water supply database report (IWR Report 05-PS-1), available on line at: <http://www.iwr.usace.army.mil/docs/iwrreports/IWRReport05-PS-1.pdf>. Appendix J of Report 05-PS-1 provides the irrigation data by project. The data were recently modified by the Sacramento District to indicate that the Folsom and New Melones projects were transferred to the BOR and the Coyote Valley project is the responsibility of the San Francisco District. A summary of this data by district is provided in below **Table 15**. This information shows there are 46 completed Corps projects that include agricultural water supply in some form. The joint storage, listed as approximately 53 million acre-feet, can normally be used for flood control, navigation, recreation and/or hydroelectric power as well as for irrigation purposes. The total Federal cost allocated to the irrigation purpose, less the reimbursable cost, is listed as about \$1.5 billion. The “Total Federal Cost” in the 4th column is less reimbursable costs. These data are not a part of the OMBIL process. According to the best available information, there are no storage projects currently under construction in the West with irrigation as a purpose.

Table 15: Summary of Irrigation Data in the West

| Division | Number of Projects | Total Project Cost (\$1000) | Total Federal Cost to Irrigation (\$1000) | Storage Reserved for Irrigation | |
|-------------------------------|--------------------|-----------------------------|---|---------------------------------|--------------------|
| | | | | Joint (1000AF) | Specific (1000 AF) |
| Northwestern Division | | | | | |
| Portland | 14 | 1,238,005 | 528,319 | 2,020 | NA |
| Walla Walla | 7 | 1,091,072 | 249,005 | 90 | 0 |
| Omaha | 6 | 1,153,870 | 313,726 | 47,998 | NA |
| Kansas City | 3 | 80,152 | 68,647 | 388 | 150 |
| Div. Total | 30 | 3,563,099 | 1,159,697 | 50,496 | NA |
| Southwestern Division | | | | | |
| Fort Worth | 1 | 18,400 | 16,300 | 0 | 45 |
| Tulsa | 1 | 67,100 | 25,800 | 0 | 19 |
| Div Total | 2 | 85,500 | 42,100 | 0 | 64 |
| South Pacific Division | | | | | |
| Sacramento | 8 | 236,340 | 164,939 | 2,520 | 0 |
| San Francisco | 1 | 17,550 | 9,600 | 70 | 0 |
| Los Angeles | 1 | 14,780 | 0 | 0 | 0 |
| Albuquerque | 4 | 119,400 | 113,400 | 260 | 577 |
| Div. Total | 14 | 280,910 | 287,939 | 2,850 | 577 |
| National Total | 46 | 3,929,509 | 1,489,736 | 53,346 | NA |

3. Irrigation outside of the West. For irrigation purposes, the “West” is defined in Reclamation Law (Public Law 57-161) as those 17 contiguous states lying either partially or wholly west of the 98th meridian. This meridian runs through the states of Texas, Oklahoma, Kansas Nebraska, South Dakota and North Dakota. There are no Corps multipurpose reservoirs projects outside the “West” with irrigation storage space. There are, however, two Corps projects east of this area with irrigation as an authorized project purpose.

a. Central and Southern Florida Project. The most noticeable project with irrigation as a purpose outside the West is the Central and Southern Florida Project. This project was authorized by Public Law 80-858 (the 1948 Flood control Act) to provide multi-purpose use to include flood control, municipal, industrial and agricultural water supply, prevention of saltwater intrusion, water supply for the Everglades, and protection of fish and wildlife resources. The primary system includes about 1,000 levees and canals, 150 water control structures and 16 major pump stations. Some project elements are operated by the sponsor, the South Florida Water Management District, and some are operated by the Corps. Beneficiaries for flood control and water supply include three cities, sugar cane companies, water drainage districts, Indian reservations, a National Wildlife Refuge, the Everglades National Park and local farmers and ranchers. There are no standard water supply agreements and the project is cost- shared between the Federal Government and the local sponsor through project agreements. Since the original authorization in 1948, as would be expected, this project has evolved. The current Everglades Restoration Plan can be found at: http://www.evergladesplan.org/facts_info/fact_sheets.aspx

b. Grand Prairie, Arkansas. Another project in the East with irrigation as a purpose is the Grand Prairie, AR Area Demonstration Project. This project is a comprehensive water management plan designed to protect and preserve the Alluvial and Sparta Aquifers. The project, authorized by Public Law 104-303 (WRDA 1966) also allows the continued irrigation of current agricultural crops and reduces further depletion of groundwater aquifers, while continuing to provide critical benefits for the millions of waterfowl, which annually migrate through the region. The project utilizes excess surface water and water from the White River to supplement a network of on-farm tailwater recovery systems. This supplemental system will be used to fill on-farm reservoirs that store the water, which supplies at least a portion of each farmer's irrigation needs. There are no standard water supply agreements, but the project will be cost-shared between the Federal Government and the local sponsor. Additional information on the project can be obtained at: <http://www.mvm.usace.army.mil/grandprairie/default.asp>

Appendix A: Total Water Supply Yield and Storage Space by Project

Appendix A: Total Water Supply Yield and Storage Space by Project

| MSC | District | Project | Yield (mgd) | Storage Space (acre-feet) | |
|--------------------|----------------------------|--|---------------------------|---------------------------|--------|
| North Atlantic | New England | Colebrook, CT | 116.3 | 50,200 | |
| | | Littleville, MA | 16.2 | 9,400 | |
| | Philadelphia | Beltzville, PA | 42.0 | 27,880 | |
| | | Blue Marsh, PA | 15.4 | 8,000 | |
| | | Baltimore | Cowanesque, PA | 70.0 | 25,600 |
| | | | Curwensville, PA | 50.0 | 5,360 |
| | | | Jennings Randolph, MD/ WV | 120.0 | 40,995 |
| Total NAD | | | 429.9 | 167,435 | |
| South Atlantic | Wilmington | B. Evert Jordan, NC | 100.0 | 45,800 | |
| | | Falls Lake, NC | 63.0 | 45,000 | |
| | | John H. Kerr, VA | 41.0 | 21,115 | |
| | | W. Kerr Scott, NC | 150.0 | 33,000 | |
| | Savannah | Hartwell, GA & SC | 37.8 | 26,574 | |
| | | J. Strom Thurmond, GA & SC | 12.2 | 3,833 | |
| | | Richard B. Russell, GA & SC | 15.9 | 872 | |
| | Mobile | Allatoona, GA | 21.4 | 19,511 | |
| | | Carters, GA | 2.0 | 818 | |
| | | Okatibbee, MS | 25.0 | 13,100 | |
| Total SAD | | | 468.3 | 209,623 | |
| Lakes & Rivers | Huntington | Alum Creek Lake, OH | 35.0 | 79,200 | |
| | | Grayson Lake, KY | 7.5 | 2,538 | |
| | | John W. Flannagan, VA | 10.0 | 3,360 | |
| | | North Fork of Pound Lake, VA | 0.3 | 100 | |
| | | Paint Creek, OH | 4.0 | 1,040 | |
| | | Paintsville, KY | 6.0 | 3,129 | |
| | | Summersville, WV | 4.0 | 468 | |
| | | Tom Jenkins Dam, OH | 8.0 | 5,690 | |
| | | Louisville | Barren River Lake, KY | 18.0 | 1,050 |
| | | | Brookville Lake, IN | 82.5 | 89,300 |
| | Caesar Creek Lake, OH | | 37.0 | 39,100 | |
| | Carr Creek Lake, KY | | 2.0 | 2,052 | |
| | Cave Run Lake, KY | | 3.0 | 802 | |
| | Green River Lake, KY | | 7.5 | 4,315 | |
| | Monroe Lake IN | | 130.0 | 160,000 | |
| | Nashville | Nolin Lake, KY | 1.0 | 98 | |
| | | Patoka Lake, IN | 75.0 | 129,658 | |
| | | Rough River Lake, KY | 4.1 | 522 | |
| | | William H. Harsha Lake, OH | 37.0 | 35,534 | |
| | | Center Hill Lake, TN | 23.6 | 7,880 | |
| | | Dale Hollow Lake, TN & KY | 2.2 | 2,211 | |
| | | J Percy Priest Dam & Reservoir, TN | 63.3 | 17,311 | |
| | | Laurel River Lake, KY | 4.3 | 1,105 | |
| | | Pittsburgh | Berlin Lake, OH | 34.0 | 19,400 |
| | | | Mosquito Creek Lake, OH | 16.0 | 11,000 |
| | Stonewall Jackson Lake, WV | | 3.6 | 2,200 | |
| | Tygart, WV | | 1.9 | 2,240 | |
| | | Youghiogheny, PA | 5.0 | 2,950 | |
| Total LRD | | | 625.8 | 624,253 | |
| Mississippi Valley | Rock Island | Saylorville, IA | 13.3 | 14,900 | |
| | | St. Louis | Carlyle Lake, IL | 24.5 | 32,692 |
| | | Clarence Cannon Dam, Mark Twain Lake, MO | 16.00 | 20,000 | |
| | | Lake Shelbyville, IL | 17.00 | 24,714 | |

2011 Water Supply Database

| MSC | District | Project | Yield (mgd) | Storage Space (acre-feet) |
|------------------|---------------|---|----------------|---------------------------|
| | | Rend Lake, IL | 70.0 | 109,000 |
| | Vicksburg | Blakey M. Dam, Lake Ouachita, AR | 1.0 | 1,575 |
| | | DeGray, AR | 152.0 | 238,729 |
| | | Enid, MS | 10.9 | 4,500 |
| Total MVD | | | 304.7 | 446,110 |
| Northwestern | Omaha | Bowman Haley, ND | 1.9 | 15,500 |
| | | Garrison Dam, Lake Sakakawea, ND | 18.8 | 54,390 |
| | Seattle | Howard Hanson, WA | 33.6 | 20,000 |
| | Portland | Lost Creek, OR | 8.9 | 10,000 |
| | Kansas City | Clinton Lake, KS | 17.4 | 89,200 |
| | | Harry S. Truman Dam & Res., MO | 0.7 | 283 |
| | | Hillsdale, KS | 5.2 | 53,000 |
| | | Kanopolis Lake, KS | 12.9 | 12,500 |
| | | Long Branch Lake, MO | 7.1 | 24,400 |
| | | Melvern Lake, KS | 7.2 | 50,000 |
| | | Milford Lake, KS | 111.1 | 300,000 |
| | | Perry Lake, KS | 74.6 | 150,000 |
| | | Pomona Lake, KS | 7.4 | 33,000 |
| | | Rathbun Lake, IA | 2.0 | 6,680 |
| | | Smithville Lake, MO | 28.8 | 95,200 |
| | | Stockton Lake, MO | 30.0 | 50,000 |
| | | Tuttle Creek Lake, KS | 57.8 | 50,000 |
| Total NWD | | | 425.4 | 1,014,153 |
| South Pacific | Albuquerque | Abiquiu, NM | 0.7 | 178,000 |
| | San Francisco | Coyote Valley Dam / Lake Mendocino, CA | 62.0 | 70,000 |
| | | Dry Creek, Warm Springs Dam / Lake Sonoma, CA | 186.4 | 212,000 |
| | Sacramento | New Hogan, CA | 10.3 | 105,000 |
| Total SPD | | | 259.4 | 565,000 |
| Southwestern | Little Rock | Beaver, AR | 131.2 | 128,995 |
| | | Blue Mountain Lake, AR | 2.0 | 1,550 |
| | | Bull Shoals Lake, AR | 8.0 | 12,613 |
| | | Dardanell Lake, AR | 1,100.0 | 0 |
| | | DeQueen Lake, AR | 22.0 | 17,885 |
| | | Dierks Lake, AR | 13.3 | 10,100 |
| | | Gillham Lake, AR | 42.0 | 20,600 |
| | | Greers Ferry Lake, AR | 23.9 | 29,133 |
| | | Millwood Lake, AR | 265.0 | 150,000 |
| | | Nimrod Lake, AR | 0.3 | 143 |
| | | Norfork Lake,, AR | 3.0 | 2,400 |
| Total SWL | | | 1,345.7 | 373,419 |
| | Ft. Worth | Aquilla Lake, TX | 9.7 | 33,600 |
| | | Bardwell Lake, TX | 11.2 | 42,800 |
| | | Belton Lake, TX | 101.3 | 360,700 |
| | | Benbrook Lake, TX | 6.7 | 72,500 |
| | | Canyon Lake, TX | 89.9 | 366,400 |
| | | Cooper Dam, Jim Chapman Lake, TX | 105.9 | 273,000 |
| | | Ferrell's Bridge Dam, Lake O'The Pines, TX | 155.0 | 250,000 |
| | | Granger Dam & Lake, TX | 16.2 | 37,900 |
| | | Grapevine Lake, TX | 17.5 | 136,250 |
| | | Joe Pool Lake, TX | 14.2 | 142,900 |
| | | Lavon Lake, TX | 92.0 | 380,000 |
| | | Lewisville Dam, TX | 165.0 | 331,000 |
| | | Navarro Mills Lake, TX | 15.5 | 53,200 |
| | | N. San Gabriel D&L (Georgetown), TX | 10.3 | 29,200 |

Appendix A: Total Water Supply Yield and Storage Space by Project

| MSC | District | Project | Yield (mgd) | Storage Space (acre-feet) |
|-----------------------|----------|--------------------------------------|----------------|---------------------------|
| | | O. C. Fisher, TX | 3.6 | 78,793 |
| | | Proctor Lake, TX | 13.9 | 31,400 |
| | | Ray Roberts Lake, TX | 112.5 | 799,600 |
| | | Sam Rayburn Dan & Reservoir, TX | 55.6 | 43,000 |
| | | Somerville Lake, TX | 36.2 | 143,900 |
| | | Stillhouse Hollow Dam, TX | 63.2 | 204,900 |
| | | Waco Lake, TX | 94.6 | 151,626 |
| | | Whitney Lake, TX | 17.6 | 50,000 |
| | | Wightman Patman Dam & Lake, TX | 63.0 | 90,063 |
| Total SWF | | | 1,270.5 | 4,102,732 |
| | Tulsa | Arcadia Lake, OK | 11.0 | 23,090 |
| | | Birch Lake , OK | 3.0 | 7,630 |
| | | Broken Bow, Lake, OK | 174.9 | 152,500 |
| | | Canton Lake, OK | 4.6 | 90,000 |
| | | Copan Lake, OK | 2.0 | 7,500 |
| | | Council Grove Lake, KS | 6.7 | 32,400 |
| | | Denison Dam, Lake Texoma, OK & TX | 284.7 | 298,694 |
| | | El Dorado Lake, KS | 11.0 | 142,793 |
| | | Elk City, KS | 12.2 | 34,300 |
| | | Eufaula Lake, OK | 53.5 | 56,200 |
| | | Heyburn, OK | 1.7 | 2,000 |
| | | Hugh Lake, OK | 57.6 | 47,600 |
| | | Hula, OK | 12.4 | 19,800 |
| | | John Redmond, KS | 56.2 | 44,900 |
| | | Kaw Lake, OK | 167.1 | 171,200 |
| | | Keystone Lake, OK | 14.5 | 20,000 |
| | | Marion ,KS | 9.2 | 50,800 |
| | | Oologah Lake, OK | 136.6 | 342,370 |
| | | Pat Mayse Lake, TX | 55.0 | 109,600 |
| | | Pearson – Skubitz, Big Hill Lake, KS | 8.5 | 25,700 |
| | | Pine Creek, Lake, OK | 49.0 | 28,800 |
| | | Sardis Lake, OK | 140.0 | 297,200 |
| | | Skiatook Lake, OK | 14.5 | 62,900 |
| | | Tenkiller Ferry Alake, OK | 26.8 | 25,482 |
| | | Waurika Lake, OK | 36.2 | 151,400 |
| | | Wister Lake, OK | 19.5 | 13,819 |
| Total SWT | | | 1,369.9 | 2,258,678 |
| National Total | | | 6,499.6 | 9,761,403 |

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Appendix B: Reallocations by Agreement

| MSC | District | Project | User | Date of Agreement | Total Storage Space | Method used to determine cost of storage | Reallocation Source | Total Agreement Cost (\$) |
|--------------|--------------|---------------------------------------|---|-------------------|---------------------|--|---------------------|---------------------------|
| NAD | NAB | Cowanesque Lake, PA | Susquehanna RBC | 1986 | 25,600 | Updated cost | Flood Pool | 39,414,000 |
| | | Curwensville Lake, PA | Susquehanna RBC | 1994 | 5,360 | Updated cost | Conservation | 11,339,000 |
| | total | 2 projects | 2 agreements | (86 - 94) | 30,960 | | | 50,753,000 |
| TOTAL | | 2 projects | 2 agreements | | 30,960 | | | 50,753,000 |
| SAD | SAW | John H. Kerr, VA | Mecklenburg Cogeneration | 1991 | 600 | Updated cost | Hydro | 150,421 |
| | | | VA Dep of Corr. | 1989 | 23 | Updated cost | Hydro | 5,075 |
| | | | City of Henderson | 2006 | 10,292 | Updated cost | Hydro | 2,375,336 |
| | | | Virginian Beach | 1984 | 10,200 | Updated cost | Hydro | 2,275,685 |
| | total | 1 project | 4 agreements | (84 - 06) | 21,115 | | | 4,806,517 |
| | SAS | Hartwell, GA & SC | Anderson Co. Joint Municipal Water System (mod) | 2002 | 24,620 | Benefits Foregone | Hydro | 3,477,000 |
| | | | City of Lavonia | 1990 | 127 | Updated cost | Hydro | 21,447 |
| | | | Hart County | 1998 | 1,827 | Updated cost | Hydro | 356,867 |
| | | J Strom Thurmond, GA & SC | City of Washington | 1975 | 632 | Benefits Foregone | Hydro | 72,800 |
| | | | Town of McCormick | 1999 | 506 | Other | Hydro | 17,357 |
| | | | City of Lincolnton | 1990 | 83 | Updated cost | Hydro | 24,608 |
| | | | City of Thompson | 1990 | 1,056 | Updated cost | Hydro | 334,714 |
| | | | Town of McCormick | 2001 | 316 | Benefits foregone (Section 322 of WRDA 86) | Hydro | 66,499 |
| | | | Savannah Valley Auth. | 1989 | 92 | Updated cost | Hydro | 27,395 |
| | | | Columbia County | 1989 | 1,056 | Updated cost | Hydro | 313,048 |
| | | | City of Lincolnton | 1964 | 92 | Original cost | Hydro | 15,000 |
| | | Richard B Russell, GA & SC | SC Public Service Auth. | 2001 | 491 | Benefits Foregone | Hydro | 1,615,243 |
| | | | City of Elberton | 1990 | 381 | Updated cost | Hydro | 419,658 |
| | total | 3 projects | 13 agreements | (64-02) | 31,279 | | | 6,761,636 |
| | SAM | Allatoona, GA | Cobb Co. - Marietta Water Auth. | 1963 | 13,140 | Original cost | Hydro | 1,168,449 |
| | | | City of Cartersville | 1966 | 1,996 | Original cost | Hydro | 396,218 |
| | | | City of Cartersville | 1991 | 4,375 | Updated cost | Hydro | 1,655,723 |
| | | Carters, GA | City of Chatsworth | 1991 | 818 | Updated cost | Hydro | 617,449 |
| | total | 2 projects | 4 agreements | (63 - 91) | 20,329 | | | 3,837,839 |
| TOTAL | | 6 projects | 21 agreements | (64-06) | 72,723 | | | 15,405,992 |
| LRD | LRH | Grayson Lake, KY | Rattlesnake Ridge | 2000 | 30 | Updated cost | Not Available | 21,930 |
| | | | Rattlesnake Ridge | 2000 | 2,508 | Updated cost | Not Available | 76,732 |
| | | John W. Flannagan Dam & Reservoir, VA | John Flannagan Water Auth | 2004 | 3,360 | Updated cost | Water Quality | 162,983 |
| | | Paintsville, KY | Paintsville Utilities | 2010 | 3,129 | Updated cots | Flood Pool | 4,774,940 |
| | | Summersville Lake, WV | City of Summersville | 2001 | 468 | Updated costs | Flood Pool | 60,828 |
| | | 4 projects | 5 agreements | (00-10) | 9,495 | | | 5,097,413 |
| | LRL | Carr Creek Lake, KY | Carr Creek Water Comm. | 2006 | 2,052 | Revenues Foregone | Not Available | 305,563 |
| | | Cave Run Lake, KY | Cave Run Water Comm. | 2003 | 538 | Replacement Cost | Not Available | 72,896 |
| | | | City of West Liberty | 1996 | 264 | Replacement Cost | Not Available | 30,360 |
| | | Green River Lake, KY | City of Columbia | 1992 | 855 | Revenues Foregone | Not Available | 88,065 |
| | | Rough River Lake, KY | Hardinsburg | 1978 | 150 | Replacement Cost | Conservation | 17,781 |
| | | | Grayson County WD | 2002 | 252 | Replacement Cost | Conservation | 34,934 |
| | total | 4 projects | 6 agreements | (78-06) | 4,111 | | | 549,599 |
| | LRN | Center Hill Lake, TN | Cookeville | 2003 | 6,680 | Updated cost | Hydro | 2,816,877 |
| | | | Smithville | 2003 | 401 | Updated cost | Hydro | 54,536 |
| | | | Riverwatch Golf | 2003 | 131 | Benefits Foregone | Hydro | 96,775 |
| | | | DeKalb Utility District | 2010 | 668 | Benefits Foregone | Hydro | 783,585 |
| | | Dale Hollow Lake, TN & KY | City of Byrdstown | 2005 | 1,841 | Benefits Foregone | Hydro | 372,716 |
| | | | Commonwealth of Kentucky | 2005 | 368 | Updated cost | Hydro | 176,532 |
| | | | Trooper Island | 2004 | 2 | Updated cost | Hydro | 916 |
| | | J. Percy Priest Dam & Reservoir, TN | LaVergne | 2003 | 2,733 | Benefits Foregone | Hydro | 1,818,550 |

| MSC | District | Project | User | Date of Agreement | Total Storage Space | Method used to determine cost of storage | Reallocation Source | Total Agreement Cost (\$) |
|--------------|--------------|-------------------------------|--|-------------------|---------------------|--|---------------------|---------------------------|
| | | | Murfreesboro | 2003 | 5,084 | Updated cost | Hydro | 3,051,429 |
| | | | Consolidated Utility | 2003 | 3,007 | Updated cost | Hydro | 1,804,609 |
| | | | Consolidated Utility | 2003 | 1,367 | Updated cost | Hydro | 820,277 |
| | | | YMCA of Middle TN | 2003 | 22 | Benefits Foregone | Hydro | 16,638 |
| | | | Cedar Crest Golf Ventures, LLD. | 2004 | 96 | Benefits Foregone | Hydro | 75,951 |
| | | | Town of Smyrna | 2008 | 5,002 | Updated cost | Hydro | 2,350,000 |
| | | Laurel River Lake, KY | Laurel Co. Water Dist. | 2005 | 519 | Benefits Foregone | Hydro | 166,847 |
| | | | City of Barbourville | 2009 | 415 | Updated cost | Hydro | 1,291,299 |
| | | | City of Barbourville | 2011 | 171 | Updated cost | Hydro | 612,310 |
| | total | 4 projects | 17 agreements | (03-11) | 28,507 | | | 16,309,847 |
| | LRP | Youghioghent Lake, PA | Muni. Auth. Of Westmoreland County | 2010 | 2,950 | Updated Cost | Water Quality | 2,557,949 |
| | total | 1 project | 1 agreement | 2010 | 2,950 | | | 2,557,949 |
| TOTAL | | 13 projects | 29 agreements | (78 - 10) | 45,063 | | | 24,514,808 |
| MVD | MVK | Blakey Mt, Dam, Lake Ouachita | N. Garland County Reg. WD (1996) | 1996 | 1,575 | Benefits Foregone | Flood Pool | 110,751 |
| | | Enid, MS | LSP Energy Limited | 1998 | 4,500 | Benefits Foregone | Conservation | 1,111,898 |
| | total | 2 projects | 2 agreements | (96 - 98) | 6,075 | | | 1,222,649 |
| TOTAL | | 2 projects | 2 agreements | (96 - 98) | 6,075 | | | 1,222,649 |
| NWD | NWK | Harry S Truman Dam & Res., MO | Henry Co. PWSD #3 | 1994 | 172 | Updated cost | Hydro | 44,006 |
| | | | HST PWSD #2 | 1997 | 111 | Updated cost | Hydro | 35,506 |
| | | Kanopolis, KS | Kansas Water Office | 2002 | 12,500 | Updated cost | Conservation | 4,181,167 |
| | | Melvorn Lake, KS | State of Kansas | 1994 | 50,000 | see footnote [1] | Water Quality | 7,094,009 |
| | | Ponoma | State of Kansas | 1995 | 14,324 | see footnote [1] | Water Quality | 1,555,242 |
| | | | State of Kansas | 1995 | 18,176 | see footnote [1] | Water Quality | 2,009,480 |
| | | Rathbun Lake, IA | Rathbun Regional Water Ass., Inc. (RRWA) | 1986 | 3,340 | Updated cost | Conservation | 331,019 |
| | | | RRWA | 1989 | 3,340 | Updated cost | Conservation | 498,916 |
| | | Stockton | City of Springfield | 1992 | 50,000 | Updated cost | Multipurpose | 9,592,851 |
| | | Tuttle Creek Lake, KS | Kansas Water Office | 1990 | 27,500 | see footnote [1] | Water Quality | 1,876,748 |
| | | | Kansas Water Office | 1994 | 8,650 | see footnonte (1) | Water Quality | 648,831 |
| | | | Kansas Water Office | 1996 | 13,850 | see footnote (1) | Water Quality | 1,090,378 |
| | total | 6 projects | 12 agreements | (86 - 02) | 201,963 | | | 28,958,153 |
| TOTAL | | 6 projects | 12 agreements | (86 - 02) | 201,963 | | | 28,958,153 |
| SWD | SWL | Beaver Lake, AR | Carroll-Boone Water District | 1977 | 9,000 | Updated cost | Flood Pool | 742,000 |
| | | | Madison Co., Water District | 1992 | 3,882 | Updated cost | Flood Pool | 482,991 |
| | | | Benton/Washington Co. WD | 1996 | 8,113 | Updated cost | Flood Pool | 1,097,137 |
| | | Blue Mountain Lake, AR | City of Danville | 2005 | 1,550 | Updated cost | Flood Pool | 226,021 |
| | | Bull Shoals Lake, AR | Marion Co. Water District | 1988 | 880 | Updated cost | Conservation | 84,979 |
| | | | Marion Co. Water District | 2010 | 1,698 | Updated cost | Hydro | 280,861 |
| | | | Ozark Mrt. R. Public Water Auth. | 2010 | 10,035 | Updated cost | Hydro | 1,659,777 |
| | | Greers Ferry Lake, AR | Tannebaum Golf Course | 1998 | 90 | Updated cost | Flood Pool | 11,072 |
| | | | Clinton Water District | 1970 | 900 | Original cost | Flood Pool | 81,000 |
| | | | Community Water System | 1971 | 225 | Original cost | Flood Pool | 20,260 |
| | | | Community WS Phase 1 | 1995 | 3,776 | Updated cost | Flood Pool | 457,804 |
| | | | Community WS Phase 2 | 1998 | 4,283 | Updated cost | Flood Pool | 561,174 |
| | | | Thunderbird Golf Course | 1998 | 55 | Updated cost | Flood Pool | 6,514 |
| | | | Red Apple Inn & Country Club | 1996 | 66 | Updated cost | Flood Pool | 8,427 |
| | | | Mid AR Water Alliance | 2010 | 18,730 | Updated cost | Flood Pool | 783,760 |
| | | Nimrod Lake, AR | City of Plainview | 1973 | 33 | Updated cost | Conservation | 1,218 |
| | | | City of Plainview | 1995 | 110 | Updated cost | Conservation | 21,967 |
| | | Norfolk Lake, AR | City of Mountain Home | 1969 | 800 | Original cost | Conservation | 65,467 |

Appendix B: Reallocations by Agreement

| MSC | District | Project | User | Date of Agreement | Total Storage Space | Method used to determine cost of storage | Reallocation Source | Total Agreement Cost (\$) |
|-----|--------------|---------------------------------|-------------------------------|-------------------|---------------------|--|---------------------|---------------------------|
| | | | Activate future | 1971 | 1,600 | Original cost | Conservation | 130,933 |
| | total | 6 projects | 19 agreements | (70 - 10) | 65,826 | | | 6,723,362 |
| | SWF | Waco, TX | Brazos River Auth. | 1984 | 47,526 | Updated cost | Not Available | 15,242,000 |
| | total | 1 projects | 1 agreements | (84) | 47,526 | | | 15,242,000 |
| | SWT | Council Grove Lake, KA | State of KS | 1996 | 8,000 | see footnote [1] | Water Quality | 723,218 |
| | | Denison Dam, L. Texoma, OK & TX | City of Denison, TX | 1953 | 21,300 | Original cost | Hydro | 292,861 |
| | | | TX Power & Light | 1961 | 16,400 | Original cost | Hydro | 286,353 |
| | | | Red River Auth. of TX | 1969 | 450 | Original cost | Hydro | 9,100 |
| | | | Red River Auth. of TX | 1983 | 2,054 | Updated cost | Hydro | 359,455 |
| | | | N. Texas MWD | 1985 | 84,099 | Updated cost | Hydro | 16,984,605 |
| | | | Greater Texoma Utility Auth. | 1992 | 5,500 | Updated cost | Hydro | 1,266,081 |
| | | | Greater Texoma Utility Auth. | 1997 | 5,500 | Updated cost | Hydro | 1,407,751 |
| | | | Commissioner of the Land | 2005 | 275 | Updated cost | Hydro | 87,696 |
| | | | Greater Texoma Utility Auth. | 2005 | 11,600 | Updated cost | Hydro | 3,727,060 |
| | | | Buncombe Creek View Ad | 1992 | 1 | Updated cost | Hydro | 248 |
| | | | N. Texas MWD | 2010 | 100,000 | Updated cost | Hydro | 38,830,547 |
| | | | Greater Texoma Utility Auth. | 2010 | 50,000 | Updated cost | Hydro | 19,422,260 |
| | | | Greater Texoma Utility Auth. | 2011 | 1,515 | Updated cost | Hydro | 599,123 |
| | | Elk City, KA | State of KS | 1996 | 10,000 | see footnote [1] | Water Quality | 1,150,580 |
| | | John Redmond, KA | State of KS | 1996 | 10,000 | see footnote [1] | Water Quality | 832,485 |
| | | Marion, KA | Kansas Water Office | 1996 | 12,500 | see footnote [1] | Water Quality | 2,187,785 |
| | | Tenkiller Ferry Lake, OK | East Central OK Water Auth. | 1964 | 300 | see footnote [2] | Flood Pool | 17,700 |
| | | | Cherokee Co., RWD #12 | 1967 | 100 | see footnote [2] | Flood Pool | 2,020 |
| | | | Sequoyah Fules Corp. | 1970 | 14,000 | see footnote [2] | Flood Pool | 282,500 |
| | | | Summit Water Inc. | 1971 | 140 | see footnote [2] | Flood Pool | 4,330 |
| | | | Paradise Hills, Inc. | 1974 | 220 | see footnote [2] | Flood Pool | 6,039 |
| | | | Lake Tenkiller Associates | 1980 | 200 | see footnote [2] | Flood Pool | 8,722 |
| | | | L. Reg. Elec. Dev. Coop. Inc. | 1989 | 38 | Updated cost | Flood Pool | 4,157 |
| | | | Tenkiller Aqua Park | 1990 | 17 | Updated cost | Flood Pool | 2,043 |
| | | | Gore Public Works Auth. | 1990 | 480 | Updated cost | Flood Pool | 51,831 |
| | | | Mongold Water System | 1990 | 5 | Updated cost | Flood Pool | 1,167 |
| | | | L. Reg. Elec. Dev. Coop. Inc. | 1991 | 34 | Updated cost | Flood Pool | 4,261 |
| | | | Pettit Bay Water Association | 1991 | 5 | Updated cost | Flood Pool | 618 |
| | | | Fin and Feather Resort | 1992 | 12 | Updated cost | Flood Pool | 1,630 |
| | | | Sixshooter Water System | 1992 | 2 | Updated cost | Flood Pool | 256 |
| | | | Billy Joe Stewart | 1992 | 6 | Updated cost | Flood Pool | 775 |
| | | | Bill Richardson | 1992 | 1 | Updated cost | Flood Pool | 132 |
| | | | Indian Hills Estates Company | 1993 | 3 | Updated cost | Flood Pool | 402 |
| | | | J.R. Mosteller | 1993 | 2 | Updated cost | Flood Pool | 268 |
| | | | L. Reg. Elec. Dev. Coop. Inc. | 1994 | 30 | Updated cost | Flood Pool | 4,350 |
| | | | L. Reg. Elec. Dev. Coop. Inc. | 1994 | 15 | Updated cost | Flood Pool | 2,166 |
| | | | Burnt Cabin RWD Inc. | 1994 | 12 | Updated cost | Flood Pool | 1,311 |
| | | | Sunny Heights Water System | 1995 | 10 | Updated cost | Flood Pool | 1,372 |

| MSC | District | Project | User | Date of Agreement | Total Storage Space | Method used to determine cost of storage | Reallocation Source | Total Agreement Cost (\$) |
|--------------|--------------|---|--------------------------------|-------------------|---------------------|--|---------------------|---------------------------|
| | | | Tenkiller Development Co. | 1995 | 3 | Updated cost | Flood Pool | 417 |
| | | | Charles Willige | 1996 | 2 | Updated cost | Flood Pool | 286 |
| | | | Sequoyah Fules Corp. | 1998 | 2,200 | see footnote (2) | Flood Pool | 44,400 |
| | | | RWD #13 Cherokee Co. | 2004 | 132 | Updated cost | Flood Pool | 20,532 |
| | | | Tahlequah PWA | 2005 | 4,300 | Updated cost | Flood Pool | 723,274 |
| | | | Stick Ross Mountain Water Co. | 2005 | 584 | Updated cost | Flood Pool | 98,205 |
| | | | RWD #2, Cherokee Co | 2007 | 99 | Updated cost | Flood Pool | 19,123 |
| | | | Cherokee, O., RWD #13 | 2007 | 100 | see footnote (2) | Flood Pool | 2,020 |
| | | Wister, OK | Poteau Valley Improvement Dist | 1967 | 4,800 | Original cost | Flood Pool | 125,110 |
| | | | AES Shady Point, Incorporated | 1987 | 7,254 | Updated cost | Flood Pool | 1,963,800 |
| | | | Heavener Utility Auth [3] | 2007 | 1,766 | Original cost | Flood Pool | 15,188 |
| | total | 7 projects | 50 agreements | (53 - 11) | 376,066 | | | 91,577,613 |
| TOTAL | | 14 projects | 70 agreements | (53 - 11) | 489,418 | | | 113,542,975 |
| NAT. | | 43 projects | 136 agreements | (53 - 11) | 846,202 | | | 234,397,577 |
| | | | | | | | | |
| | | | | | | | | |
| Footnot | [1] | NWK & SWT, Costs developed under a MOU with the State of Kansas. Storage costs based on original construction or sunk costs of the reallocated water quality storage. | | | | | | |
| | [2] | SWT, Costs based on revision to the 1969 cost allocation; flood control costs were reduced and assigned to water supply since storage was reassigned from the flood control pool. | | | | | | |
| | [3] | SWT, Wister. A 1963 was terminated and replaced with a modified 2007 agreement. | | | | | | |
| | | | | | | | | |
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2011 Water Supply Database

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

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| LRD | Huntington, Louisville, Nashville, Pittsburgh | Agreement Data | 11 |
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| | | Storage Cost | 55 |
| | | Remaining Principal | 59 |
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2011 Water Supply Database

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ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| North Atlantic Division | NAD WS Agreement Data | | | | |
|----------------------------|---|------------|------|---------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| New England | | | | | |
| Colebrook, CT | Hartford Metro Dist. | Original | 1965 | 116.30 | 3.137 |
| Littleville, MA | City of Springfield | Original | 1967 | 16.20 | 2.740 |
| | | Conduit | 1967 | 0.00 | 2.740 |
| 2 projects | 2 agreements | | | 132.50 | |
| Philadelphia | | | | | |
| Beltzville, PA | Delaware RBC | Original | 2006 | 42.00 | 3.222 |
| | | Conduit | 2006 | 0.00 | 3.222 |
| Blue Marsh, PA | Delaware RBC [1] | Original | 1971 | 15.40 | 3.502 |
| 2 projects | 2 agreements | | | 57.40 | |
| Baltimore | | | | | |
| Cowanesque, PA | Susquehanna RBC | Reallocate | 1986 | 70.00 | 7.690 |
| Curwensville, PA | Susquehanna RBC | Reallocate | 1994 | 50.00 | 6.125 |
| Jennings Randolph, MD & WV | Potomac RBC, Dist. of Col. WSSC and Fairfax Co. | Original | 1982 | 120.00 | 3.253 |
| 3 projects | 3 agreements | | | 240.00 | |
| Division Summary | 7 projects / 7 agreements | | | 429.90 | |

[1] NAP, Blue Marsh. The 4,000 AF of future water supply, while not in use, the sponsor has chosen to pay P&I. O&M share not yet being repaid.

[2] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.

2011 Water Supply Database

| North Atlantic Division | | NAD WS Storage Space | | | | | Project WS Storage Space (acre-feet) |
|--|---|--|----------|--------------------|----------------|----------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| New England | | | | | | | |
| Colebrook, CT | Hartford Metro Dist. | 50,200 | 0 | 0 | 50,200 | 50,200 | |
| Littleville, MA | City of Springfield | 9,400 | 0 | 0 | 9,400 | 9,400 | |
| | | 0 | 0 | 0 | 0 | 0 | |
| 2 projects | 2 agreements | 59,600 | 0 | 0 | 59,600 | 59,600 | |
| Philadelphia | | | | | | | |
| Beltzville, PA | Delaware RBC | 27,880 | 0 | 0 | 27,880 | 27,880 | |
| | | 0 | 0 | 0 | 0 | 0 | |
| Blue Marsh, PA | Delaware RBC [1] | 8,000 | 0 | 0 | 8,000 | 8,000 | |
| 2 projects | 2 agreements | 35,880 | 0 | 0 | 35,880 | 35,880 | |
| Baltimore | | | | | | | |
| Cowanesque, PA | Susquehanna RBC | 25,600 | 0 | 0 | 25,600 | 25,600 | |
| Curwensville, PA | Susquehanna RBC | 5,360 | 0 | 0 | 5,360 | 5,360 | |
| Jennings Randolph, MD & WV | Potomac RBC, Dist. of Col. WSSC and Fairfax Co. | 40,995 | 0 | 0 | 40,995 | 40,995 | |
| 3 projects | 3 agreements | 71,955 | 0 | 0 | 71,955 | 71,955 | |
| Division Summary | 7 projects / 7 agreements | 167,435 | 0 | 0 | 167,435 | 167,435 | |
| [1] NAP, Blue Marsh. The 4,000 AF of future water supply, while not in use, is not yet being repaid. | | | | | | | |
| [2] Remaining Principal owed (as applicable) includes, for the present use, the interest of the ten-year interest free period. Price level varies. | | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| North Atlantic Division | | NAD WS Storage Cost | | | | |
|---|---|--------------------------------|----------|--------------------|--------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| New England | | | | | | |
| Colebrook, CT | Hartford Metro Dist. | 5,587,085 | 0 | 0 | 5,587,085 | 5,587,085 |
| Littleville, MA | City of Springfield | 2,171,160 | 0 | 0 | 2,171,160 | |
| | | 31,000 | 0 | 0 | 31,000 | 2,202,160 |
| 2 projects | 2 agreements | 7,789,245 | 0 | 0 | 7,789,245 | 7,789,245 |
| Philadelphia | | | | | | |
| Beltzville, PA | Delaware RBC | 6,457,800 | 0 | 0 | 6,457,800 | |
| | | 130,200 | 0 | 0 | 130,200 | 6,588,000 |
| Blue Marsh, PA | Delaware RBC [1] | 15,003,516 | 0 | 0 | 15,003,516 | 15,003,516 |
| 2 projects | 2 agreements | 21,591,516 | 0 | 0 | 21,591,516 | 21,591,516 |
| Baltimore | | | | | | |
| Cowanesque, PA | Susquehanna RBC | 39,414,000 | 0 | 0 | 39,414,000 | 39,414,000 |
| Curwensville, PA | Susquehanna RBC | 6,934,000 | 0 | 0 | 6,934,000 | 6,934,000 |
| Jennings Randolph, MD & WV | Potomac RBC, Dist. of Col. WSSC and Fairfax Co. | 65,538,120 | 0 | 0 | 65,538,120 | 65,538,120 |
| 3 projects | 3 agreements | 111,886,120 | 0 | 0 | 111,886,120 | 111,886,120 |
| Division Summary | 7 projects / 7 agreements | 141,266,881 | 0 | 0 | 141,266,881 | 141,266,881 |
| [1] NAP, Blue Marsh. The 4,000 AF of future water supply, while not in use, is not yet being repaid. | | | | | | |
| [2] Remaining Principal owed (as applicable) includes, for the present use, the principal of the ten-year interest free period. Price level varies. | | | | | | |

2011 Water Supply Database

| North Atlantic Division | | NAD Remaining Principal Owed [2] | | | |
|---|---|----------------------------------|----------|-------------------|------------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| New England | | | | | |
| Colebrook, CT | Hartford Metro Dist. | 1,425,326 | 0 | 1,425,326 | |
| Littleville, MA | City of Springfield | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | |
| 2 projects | 2 agreements | 1,425,326 | 0 | 1,425,326 | 18% |
| Philadelphia | | | | | |
| Beltzville, PA | Delaware RBC | | | | |
| | | 3,354,521 | 0 | 3,354,521 | |
| Blue Marsh, PA | Delaware RBC [1] | 5,658,448 | 0 | 5,658,448 | |
| 2 projects | 2 agreements | 9,012,969 | 0 | 9,012,969 | 42% |
| Baltimore | | | | | |
| Cowanesque, PA | Susquehanna RBC | 0 | 0 | 0 | |
| Curwensville, PA | Susquehanna RBC | 0 | 0 | 0 | |
| Jennings Randolph, MD & WV | Potomac RBC, Dist. of Col. WSSC and Fairfax Co. | 48,914,684 | 0 | 48,914,684 | |
| 3 projects | 3 agreements | 48,914,684 | 0 | 48,914,684 | 44% |
| Division Summary | 7 projects / 7 agreements | 59,352,979 | 0 | 59,352,979 | 42% |
| [1] NAP, Blue Marsh. The 4,000 AF of future water supply, while not in use, is not yet being repaid. | | | | | |
| [2] Remaining Principal owed (as applicable) includes, for the present use, the principal of the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| South Atlantic Division | | SAD Agreement Data | | | |
|----------------------------|---|--------------------|------|---------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Wilmington | | | | | |
| B. Everett Jordan, NC | State of NC | Original | 1988 | 100.00 | 3.225 |
| Falls Lake, NC | City of Raleigh | Original | 1972 | 63.00 | 3.649 |
| John H. Kerr, VA | Virginian Beach | Reallocated | 1984 | 20.00 | N/A |
| | VA Dep of Corr. | Reallocated | 1989 | 0.04 | N/A |
| | Mecklenburg Cogeneration | Reallocated | 1991 | 1.00 | N/A |
| | City of Henderson | Reallocated | 2006 | 20.00 | 4.625 |
| W. Kerr Scott, NC | County of Wilkes & City of Winston-Salem | Original | 1960 | 150.00 | 2.699 |
| 4 projects | 7 agreements | | | 354.04 | |
| Savannah | | | | | |
| Hartwell, GA & SC | City of Lavonia | Reallocated | 1990 | 0.18 | 8.250 |
| | Hart County | Reallocated | 1998 | 2.60 | 6.750 |
| | Anderson Co. Joint Municipal Water System (mod) | Reallocated | 2002 | 35.02 | N/A |
| J Strom Thurmond, GA & SC | City of Lincolnton | Reallocated | 1964 | 0.29 | N/A |
| | City of Washington | Reallocated | 1975 | 2.00 | N/A |
| | Savannah Valley Auth. | Reallocated | 1989 | 0.30 | 9,250 |
| | Columbia County | Reallocated | 1989 | 3.35 | 9.25 |
| | City of Lincolnton | Reallocated | 1990 | 0.26 | 9.25 |
| | City of Thompson | Reallocated | 1990 | 3.35 | 8.25 |
| | Town of McCormick | Reallocated | 1999 | 1.60 | N/A |
| | Town of McCormick | Reallocated | 2001 | 1.00 | 5.875 |
| Richard B Russell, GA & SC | SC Public Service Auth. | Reallocated | 2001 | 8.93 | 5.875 |
| | City of Elberton | Reallocated | 1990 | 6.93 | N/A |
| 3 projects | 13 agreements | | | 65.81 | |
| Mobile | | | | | |
| Allatoona, GA | Cobb Co. - Marietta Water Auth. | Reallocated | 1963 | 4.61 | 2.500 |
| | City of Cartersville | Reallocated | 1966 | 5.26 | 2.500 |
| | City of Cartersville | Reallocated | 1991 | 11.5 | 8.125 |
| Carters, GA | City of Chatsworth | Reallocated | 1991 | 2.00 | 9.125 |
| Okatibbee, MS | Pat Harrison WS Dist. | Original | 1965 | 25.00 | 3.137 |
| 3 projects | 5 agreements | | | 48.37 | |
| Division Summary | 10 projects / 25 agreements | | | 468.22 | |

[1] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.

2011 Water Supply Database

| South Atlantic Division | | SAD WS Storage Space | | | | |
|---|---|--|----------|--------------------|-------------------------------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Agreement Storage Space (acre-feet) | |
| Wilmington | | | | | | |
| B. Everett Jordan, NC | State of NC | 45,800 | 0 | 0 | 45,800 | 45,800 |
| Falls Lake, NC | City of Raleigh | 45,000 | 0 | 0 | 45,000 | 45,000 |
| John H. Kerr, VA | Virginian Beach | 10,200 | 0 | 0 | 10,200 | |
| | VA Dep of Corr. | 23 | 0 | 0 | 23 | |
| | Mecklenburg Cogeneration | 600 | 0 | 0 | 600 | |
| | City of Henderson | 10,292 | 0 | 0 | 10,292 | 21,115 |
| W. Kerr Scott, NC | County of Wilkes & City of Winston-Salem | 33,000 | 0 | 0 | 33,000 | 33,000 |
| 4 projects | 7 agreements | 144,915 | 0 | 0 | 144,915 | 144,915 |
| Savannah | | | | | | |
| Hartwell, GA & SC | City of Lavonia | 127 | 0 | 0 | 127 | |
| | Hart County | 1,827 | 0 | 0 | 1,827 | |
| | Anderson Co. Joint Municipal Water System (mod) | 24,620 | 0 | 0 | 24,620 | 26,574 |
| J Strom Thurmond, GA & SC | City of Lincolnton | 92 | 0 | 0 | 92 | |
| | City of Washington | 632 | 0 | 0 | 632 | |
| | Savannah Valley Auth. | 92 | 0 | 0 | 92 | |
| | Columbia County | 1,056 | 0 | 0 | 1,056 | |
| | City of Lincolnton | 83 | 0 | 0 | 83 | |
| | City of Thompson | 1,056 | 0 | 0 | 1,056 | |
| | Town of McCormick | 506 | 0 | 0 | 506 | |
| | Town of McCormick | 316 | 0 | 0 | 316 | 3,833 |
| Richard B Russell, GA & SC | SC Public Service Auth. | 491 | 0 | 0 | 491 | |
| | City of Elberton | 381 | 0 | 0 | 381 | 872 |
| 3 projects | 13 agreements | 31,279 | 0 | 0 | 31,279 | 31,279 |
| Mobile | | | | | | |
| Allatoona, GA | Cobb Co. - Marietta Water Auth. | 13,140 | 0 | 0 | 13,140 | |
| | City of Cartersville | 1,996 | 0 | 0 | 1,996 | |
| | City of Cartersville | 4,375 | 0 | 0 | 4,375 | 19,511 |
| Carters, GA | City of Chatsworth | 818 | 0 | 0 | 818 | 818 |
| Okatibbee, MS | Pat Harrison WS Dist. | 13,100 | 0 | 0 | 13,100 | 13,100 |
| 3 projects | 5 agreements | 33,429 | 0 | 0 | 33,429 | 33,429 |
| Division Summary | 10 projects / 25 agreements | 209,623 | 0 | 0 | 209,623 | 209,623 |
| [1] Remaining Principal owed (as applicable) includes, for the present the ten-year interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| South Atlantic Division | | SAD WS Storage Cost | | | | |
|---|---|--------------------------------|----------|--------------------|-------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Wilmington | | | | | | |
| B. Everett Jordan, NC | State of NC | 4,388,000 | 0 | 0 | 4,388,000 | 4,388,000 |
| Falls Lake, NC | City of Raleigh | 12,170,000 | 0 | 0 | 12,170,000 | 12,170,000 |
| John H. Kerr, VA | Virginian Beach | 2,275,685 | 0 | 0 | 2,275,685 | |
| | VA Dep of Corr. | 5,075 | 0 | 0 | 5,075 | |
| | Mecklenburg Cogeneration | 150,421 | 0 | 0 | 150,421 | |
| | City of Henderson | 2,375,336 | 0 | 0 | 2,375,336 | 4,806,517 |
| W. Kerr Scott, NC | County of Wilkes & City of Winston-Salem | 1,890,838 | 0 | 0 | 1,890,838 | 1,890,838 |
| 4 projects | 7 agreements | 23,255,355 | 0 | 0 | 23,255,355 | 23,255,355 |
| Savannah | | | | | | |
| Hartwell, GA & SC | City of Lavonia | 21,447 | 0 | 0 | 21,447 | |
| | Hart County | 356,867 | 0 | 0 | 356,867 | |
| | Anderson Co. Joint Municipal Water System (mod) | 3,477,000 | 0 | 0 | 3,477,000 | 3,855,314 |
| J Strom Thurmond, GA & SC | City of Lincolnton | 15,000 | 0 | 0 | 15,000 | |
| | City of Washington | 72,800 | 0 | 0 | 72,800 | |
| | Savannah Valley Auth. | 27,395 | 0 | 0 | 27,395 | |
| | Columbia County | 313,048 | 0 | 0 | 313,048 | |
| | City of Lincolnton | 24,608 | 0 | 0 | 24,608 | |
| | City of Thompson | 334,714 | 0 | 0 | 334,714 | |
| | Town of McCormick | 17,357 | 0 | 0 | 17,357 | |
| | Town of McCormick | 66,499 | 0 | 0 | 66,499 | 871,421 |
| Richard B Russell, GA & SC | SC Public Service Auth. | 1,615,243 | 0 | 0 | 1,615,243 | |
| | City of Elberton | 419,658 | 0 | 0 | 419,658 | 2,034,901 |
| 3 projects | 13 agreements | 6,761,636 | 0 | 0 | 6,761,636 | 6,761,636 |
| Mobile | | | | | | |
| Allatoona, GA | Cobb Co. - Marietta Water Auth. | 1,168,449 | 0 | 0 | 1,168,449 | |
| | City of Cartersville | 396,218 | 0 | 0 | 396,218 | |
| | City of Cartersville | 1,655,723 | 0 | 0 | 1,655,723 | 3,220,390 |
| Carters, GA | City of Chatsworth | 617,449 | 0 | 0 | 617,449 | 617,449 |
| Okatibbee, MS | Pat Harrison WS Dist. | 1,292,301 | 0 | 0 | 1,292,301 | 1,292,301 |
| 3 projects | 5 agreements | 5,130,140 | 0 | 0 | 5,130,140 | 5,130,140 |
| Division Summary | 10 projects / 25 agreements | 35,147,131 | 0 | 0 | 35,147,131 | 35,147,131 |
| [1] Remaining Principal owed (as applicable) includes, for the present the ten-year interest free period. Price level varies. | | | | | | |

2011 Water Supply Database

| South Atlantic Division | | SAD Remaining Principal Owed [1] | | | |
|---|---|----------------------------------|----------|-------------------|------------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| Wilmington | | | | | |
| B. Everett Jordan, NC | State of NC | 1,716,046 | 0 | 1,716,046 | |
| Falls Lake, NC | City of Raleigh | 8,894,264 | 0 | 8,894,264 | |
| John H. Kerr, VA | Virginian Beach | 0 | 0 | 0 | |
| | VA Dep of Corr. | 0 | 0 | 0 | |
| | Mecklenburg Cogeneration | 0 | 0 | 0 | |
| | City of Henderson | 1,925,135 | 0 | 1,925,135 | |
| W. Kerr Scott, NC | County of Wilkes & City of Winston-Salem | 248,507 | 0 | 248,507 | |
| 4 projects | 7 agreements | 12,783,952 | 0 | 12,783,952 | 55% |
| Savannah | | | | | |
| Hartwell, GA & SC | City of Lavonia | 0 | 0 | 0 | |
| | Hart County | 0 | 0 | 0 | |
| | Anderson Co. Joint Municipal Water System (mod) | 110,400 | 0 | 110,400 | |
| J Strom Thurmond, GA & SC | City of Lincolnton | 1,800 | 0 | 1,800 | |
| | City of Washington | 0 | 0 | 0 | |
| | Savannah Valley Auth. | 0 | 0 | 0 | |
| | Columbia County | 0 | 0 | 0 | |
| | City of Lincolnton | 10,631 | 0 | 10,631 | |
| | City of Thompson | 0 | 0 | 0 | |
| | Town of McCormick | 0 | 0 | 0 | |
| | Town of McCormick | 0 | 0 | 0 | |
| Richard B Russell, GA & SC | SC Public Service Auth. | 0 | 0 | 0 | |
| | City of Elberton | 0 | 0 | 0 | |
| 3 projects | 13 agreements | 122,831 | 0 | 122,831 | 2% |
| Mobile | | | | | |
| Allatoona, GA | Cobb Co. - Marietta Water Auth. | 45,914 | 0 | 45,914 | |
| | City of Cartersville | 0 | 0 | 0 | |
| | City of Cartersville | 787,172 | 0 | 787,172 | |
| Carters, GA | City of Chatsworth | 0 | 0 | 0 | |
| Okatibbee, MS | Pat Harrison WS Dist. | 269,486 | 0 | 269,496 | |
| 3 projects | 5 agreements | 1,102,572 | 0 | 1,102,582 | 21% |
| Division Summary | 10 projects / 25 agreements | 14,009,355 | 0 | 14,009,365 | 40% |
| [1] Remaining Principal owed (as applicable) includes, for the present the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Lakes and Rivers Division | | LRD WS Agreement Data | | | |
|-------------------------------------|---------------------------------|-----------------------|-------------|----------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Huntington | | | | | |
| Alum Creek Lake, OH | State of OH (1968) | Original | 1968 | 35.000 | 3.250 |
| Grayson Lake, KY | Rattlesnake Ridge | Reallocation | 1989 | 1.500 | 10.250 |
| | Rattlesnake Ridge | Reallocation | 2000 | 6.000 | 6.625 |
| John W. Flannagan, VA | John Flannagan Water Auth. | Reallocation | 2004 | 10.000 | 5.656 |
| North Fork of Pound River Lake, VA | City of Pound | Original | 1988 | 0.300 | N/A |
| Paint Creek Lake, OH | Highland Water Company | Original | 1967 | 4.000 | 3.222 |
| Paintsville Lake, KY | Paintsville Utilities | Reallocated | 2010 | 6.000 | 4.125 |
| Summersville Lake, WV | City of Summerville | Reallocation | 2001 | 4.000 | 5.875 |
| Tom Jennings Dam, OH | State of OH | Original | 1955 | 8.000 | N/A |
| 8 projects | 9 agreements | | | 74.800 | |
| Louisville | | | | | |
| Barren River Lake, KY | City of Glasgow | Original | 1965 | 12.000 | 2.632 |
| | City of Scottsville | Original | 1969 | 6.000 | 2.632 |
| Brookville Lake, IN | State of IN | Original | 1965 | 82.500 | 3.137 |
| Caesar Creek Lake, OH | State of OH | Original | 1970 | 37.000 | 3.253 |
| Carr Creek Lake, | Carr Creek Water Comm. | Reallocated | 2006 | 2.000 | 4.625 |
| Cave Run Lake, KY | Cave Run Water Comm. | Reallocated | 2003 | 2.000 | 5.125 |
| | City of West Liberty | Reallocated | 1996 | 1.000 | 4.625 |
| Green River Lake, KY | City of Campbellsville | Original | 1968 | 6.500 | 2.936 |
| | City of Columbia | Reallocated | 1992 | 1.000 | 8.125 |
| Monroe Lake, IN | State of Indiana | Original | 1960 | 130.000 | 2.670 |
| Nolin Lake, KY | Edmonson Co. Water Dist. | Original | 1988 | 1.000 | 9.250 |
| Patoka Lake, IN | State of Indiana | Original | 1970 | 75.000 | 3.256 |
| Rough River Lake, KY | City of Leitchfield | Original | 1966 | 1.600 | 2.584 |
| | City of Hardinsburg | Reallocated | 1978 | 1.000 | 6.595 |
| | Grayson County WD | Reallocated | 2002 | 1.500 | 4.625 |
| William H. Harsha Lake, OH | State of OH | Original | 1970 | 37.000 | 3.253 |
| 11 projects | 16 agreements | | | 397.100 | |
| Nashville | | | | | |
| Center Hill Lake, TN | City of Cookeville | Reallocated | 2003 | 20.030 | 5.125 |
| | City of Smithville | Reallocated | 2003 | 1.200 | 5.125 |
| | Riverwatch Golf, Inc. | Reallocated | 2003 | 0.390 | 5.125 |
| | DeKalb Utility District | Reallocated | 2010 | 2.000 | 4.375 |
| Dale Hollow Lake, TN & KY | City of Byrdstown | Reallocated | 2005 | 1.800 | 5.125 |
| | Commonwealth of KY | Reallocated | 2005 | 0.360 | 5.125 |
| | Trooper Island Camp | Reallocated | 2004 | 0.002 | Paid up front |
| | Ezell & Wilma Nevans | Surplus | 2010 | 0.000 | Paid up front |
| J. Percy Priest Dam & Reservoir, TN | City of LaVergne | Reallocated | 2003 | 10.000 | 5.125 |
| | City of Murfreesboro | Reallocated | 2003 | 18.600 | 5.125 |
| | Consolidated Utility | Reallocated | 2003 | 11.000 | 5.125 |
| | Consolidated Utility | Reallocated | 2003 | 5.000 | 5.125 |
| | YMCA of Middle TN | Reallocated | 2003 | 0.080 | 5.125 |
| | Cedar Crest Golf Ventures, LLC. | Reallocated | 2004 | 0.350 | 5.500 |
| | | Town of Smyrna | Reallocated | 2008 | 18.300 |
| Laurel River Lake, KY | Laurel Co. Water Dist. | Reallocated | 2005 | 2.000 | 5.125 |
| | City of Barbourville | Reallocated | 2009 | 1.600 | 4.625 |
| | City of Barbourville | Reallocated | 2011 | 0.660 | 4.125 |

2011 Water Supply Database

| Lakes and Rivers Division | | LRD WS Agreement Data | | | |
|---|--|-----------------------|-----------|----------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| 4 projects | 19 agreements | | | 93.372 | |
| Pittsburgh | | | | | |
| Berlin Lake, OH | <i>Not Under Contract [1]</i> | <i>Original</i> | <i>NA</i> | <i>34.000</i> | 3.000 |
| | | <i>Conduit</i> | <i>NA</i> | <i>0.000</i> | <i>NA</i> |
| Mosquito Creek Lake, OH | City of Warren | Original | 1999 | 16.000 | 3.000 |
| Stonewall Jackson Lake, WV | <i>Not Under Contract [2]</i> | <i>Original</i> | <i>NA</i> | <i>3.600</i> | |
| | | | | | 7.000 |
| Tygart, WV | City of Grafton [3] | Original | 1941 | 1.900 | 3.000 |
| Youghiogheny River Lake, PA | Municipal Auth. of Westmoreland County [4] | Reallocated | 2010 | 5.000 | 4.125 |
| 5 projects | 3 agreements | | | 60.500 | |
| Division Total | 28 projects | | | 625.772 | |
| | 47 agreements | | | | |
| [1] LRP, Berlin. Original 50-year agreement with the Mahoning Valley Sanitary District expired in 2000. The sponsor would like to renew under similar terms, but not permitted by agreement. Sponsor investigating options. | | | | | |
| [2] LRP, Tygart. City of Weston, WV indicated an interest in an agreement when project originally proposed, but did not proceed with the agreement. | | | | | |
| [3] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd at no cost in return for donated real estate. | | | | | |
| [4] LRP, Youghiogheny. The Municipal Authority of Westmoreland County has the right of first refusal for the remaining 7,050 acre-feet of storage space covered in the reallocation report. | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies. | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Lakes and Rivers Division | | LRD WS Storage Space | | | | |
|-------------------------------------|---------------------------------|--|----------|--------------------|----------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| Huntington | | | | | | |
| Alum Creek Lake, OH | State of OH (1968) | 79,200 | 0 | 0 | 79,200 | 79,200 |
| Grayson Lake, KY | Rattlesnake Ridge | 30 | 0 | 0 | 30 | |
| | Rattlesnake Ridge | 2,508 | 0 | 0 | 2,508 | 2,538 |
| John W. Flannagan, VA | John Flannagan Water Auth. | 3,360 | 0 | 0 | 3,360 | 3,360 |
| North Fork of Pound River Lake, VA | City of Pound | 100 | 0 | 0 | 100 | 100 |
| Paint Creek Lake, OH | Highland Water Company | 1,040 | 0 | 0 | 1,040 | 1,040 |
| Paintsville Lake, KY | Paintsville Utilities | 3,129 | 0 | 0 | 3,129 | 3,129 |
| Summersville Lake, WV | City of Summersville | 468 | 0 | 0 | 468 | 468 |
| Tom Jennings Dam, OH | State of OH | 5,690 | 0 | 0 | 5,690 | 5,690 |
| 8 projects | 9 agreements | 95,525 | 0 | 0 | 95,525 | 95,525 |
| Louisville | | | | | | |
| Barren River Lake, KY | City of Glasgow | 681 | 0 | 0 | 681 | |
| | City of Scottsville | 369 | 0 | 0 | 369 | 1,050 |
| Brookville Lake, IN | State of IN | 89,300 | 0 | 0 | 89,300 | 89,300 |
| Caesar Creek Lake, OH | State of OH | 39,100 | 0 | 0 | 39,100 | 39,100 |
| Carr Creek Lake, | Carr Creek Water Comm. | 2,052 | 0 | 0 | 2,052 | 2,052 |
| Cave Run Lake, KY | Cave Run Water Comm. | 538 | 0 | 0 | 538 | |
| | City of West Liberty | 264 | 0 | 0 | 264 | 802 |
| Green River Lake, KY | City of Campbellsville | 3,460 | 0 | 0 | 3,460 | |
| | City of Columbia | 855 | 0 | 0 | 855 | 4,315 |
| Monroe Lake, IN | State of Indiana | 160,000 | 0 | 0 | 160,000 | 160,000 |
| Nolin Lake, KY | Edmonson Co. Water Dist. | 98 | 0 | 0 | 98 | 98 |
| Patoka Lake, IN | State of Indiana | 129,658 | 0 | 0 | 129,658 | 129,658 |
| Rough River Lake, KY | City of Leitchfield | 120 | 0 | 0 | 120 | |
| | City of Hardinsburg | 150 | 0 | 0 | 150 | |
| | Grayson County WD | 252 | 0 | 0 | 252 | 522 |
| William H. Harsha Lake, OH | State of OH | 35,534 | 0 | 0 | 35,534 | 35,534 |
| 11 projects | 16 agreements | 462,431 | 0 | 0 | 462,431 | 462,431 |
| Nashville | | | | | | |
| Center Hill Lake, TN | City of Cookeville | 6,680 | 0 | 0 | 6,680 | |
| | City of Smithville | 401 | 0 | 0 | 401 | |
| | Riverwatch Golf, Inc. | 131 | 0 | 0 | 131 | |
| | DeKalb Utility District | 668 | 0 | 0 | 668 | 7,880 |
| Dale Hollow Lake, TN & KY | City of Byrdstown | 1,841 | 0 | 0 | 1,841 | |
| | Commonwealth of KY | 368 | 0 | 0 | 368 | |
| | Trooper Island Camp | 2 | 0 | 0 | 2 | |
| | Ezell & Wilma Nevans | 0.20 | 0.00 | 0.00 | 0.20 | 2,211 |
| J. Percy Priest Dam & Reservoir, TN | City of LaVergne | 2,733 | 0 | 0 | 2,733 | |
| | City of Murfreesboro | 5,084 | 0 | 0 | 5,084 | |
| | Consolidated Utility | 3,007 | 0 | 0 | 3,007 | |
| | Consolidated Utility | 1,367 | 0 | 0 | 1,367 | |
| | YMCA of Middle TN | 22 | 0 | 0 | 22 | |
| | Cedar Crest Golf Ventures, LLC. | 96 | 0 | 0 | 96 | |
| | Town of Smyrna | 5,002 | 0 | 0 | 5,002 | 17,311 |
| Laurel River Lake, KY | Laurel Co. Water Dist. | 519 | 0 | 0 | 519 | |
| | City of Barbourville | 415 | 0 | 0 | 415 | |
| | City of Barbourville | 171 | 0 | 0 | 171 | 1,105 |

2011 Water Supply Database

| Lakes and Rivers Division | | LRD WS Storage Space | | | | |
|--|---|---|----------|-----------------------|----------------|--|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre- feet) |
| | | Present | Future | Not Under Contract | Total | |
| 4 projects | 19 agreements | 28,507 | 0 | 0 | 28,507 | 28,507 |
| Pittsburgh | | | | | | |
| Berlin Lake, OH | <i>Not Under Contract [1]</i> | 0 | 0 | 19,400 | 19,400 | 19,400 |
| | | 0 | 0 | 0 | 0 | 0 |
| Mosquito Creek Lake, OH | City of Warren | 11,000 | 0 | 0 | 11,000 | 11,000 |
| Stonewall Jackson Lake, WV | <i>Not Under Contract [2]</i> | 0 | 0 | 2,200 | 2,200 | 2,200 |
| Tygart, WV | City of Grafton [3] | 2,240 | 0 | 0 | 2,240 | 2,240 |
| Youghiogheny River Lake, PA | Municipal Auth. of Westmoreland County [4] | 2,950 | 0 | 0 | 2,950 | 2,950 |
| 5 projects | 3 agreements | 16,190 | 0 | 21,600 | 37,790 | 37,790 |
| Division Total | 28 projects 47 agreements | 602,653 | 0 | 21,600 | 624,253 | 624,253 |
| [1] LRP, Berlin. Original 50-year agreement with the Mahoning Valley; renew under similar terms, but not permitted by agreement. Sponsor | | | | | | |
| [2] LRP, Tygart. City of Weston, WV indicated an interest in an agree with the agreement. | | | | | | |
| [3] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd | | | | | | |
| [4] LRP, Youghiogheny. The Municipal Authority of Westmoreland C acre-feet of storage space covered in the reallocation report. | | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the preser of the ten-year interest free period. Price level varies. | | | | | | |
| | | | | | | |
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ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Lakes and Rivers Division | | LRD WS Storage Cost | | | | | Project WS Storage Cost (\$) |
|-------------------------------------|---------------------------------|--------------------------------|----------|--------------------|-------------------|-------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| Huntington | | | | | | | |
| Alum Creek Lake, OH | State of OH (1968) | 16,580,000 | 0 | 0 | 16,580,000 | 16,580,000 | |
| Grayson Lake, KY | Rattlesnake Ridge | 21,930 | 0 | 0 | 21,930 | | |
| | Rattlesnake Ridge | 10,098 | 0 | 0 | 10,098 | 32,028 | |
| John W. Flannagan, VA | John Flannagan Water Auth. | 162,983 | 0 | 0 | 162,983 | 162,983 | |
| North Fork of Pound River Lake, VA | City of Pound | 94,626 | 0 | 0 | 94,626 | 94,626 | |
| Paint Creek Lake, OH | Highland Water Company | 202,650 | 0 | 0 | 202,650 | 202,650 | |
| Paintsville Lake, KY | Paintsville Utilities | 4,774,940 | 0 | 0 | 4,774,940 | 4,774,940 | |
| Summersville Lake, WV | City of Summersville | 60,828 | 0 | 0 | 60,828 | 60,828 | |
| Tom Jennings Dam, OH | State of OH | 785,000 | 0 | 0 | 785,000 | 785,000 | |
| 8 projects | 9 agreements | 22,693,055 | 0 | 0 | 22,693,055 | 22,693,055 | |
| Louisville | | | | | | | |
| Barren River Lake, KY | City of Glasgow | 22,300 | 0 | 0 | 22,300 | | |
| | City of Scottsville | 12,200 | 0 | 0 | 12,200 | 34,500 | |
| Brookville Lake, IN | State of IN | 5,693,000 | 0 | 0 | 5,693,000 | 5,693,000 | |
| Caesar Creek Lake, OH | State of OH | 5,628,000 | 0 | 0 | 5,628,000 | 5,628,000 | |
| Carr Creek Lake, | Carr Creek Water Comm. | 305,563 | 0 | 0 | 305,563 | 305,563 | |
| Cave Run Lake, KY | Cave Run Water Comm. | 72,896 | 0 | 0 | 72,896 | | |
| | City of West Liberty | 30,360 | 0 | 0 | 30,360 | 103,256 | |
| Green River Lake, KY | City of Campbellsville | 80,483 | 0 | 0 | 80,483 | | |
| | City of Columbia | 88,065 | 0 | 0 | 88,065 | 168,548 | |
| Monroe Lake, IN | State of Indiana | 8,015,000 | 0 | 0 | 8,015,000 | 8,015,000 | |
| Nolin Lake, KY | Edmonson Co. Water Dist. | 11,402 | 0 | 0 | 11,402 | 11,402 | |
| Patoka Lake, IN | State of Indiana | 5,602,000 | 0 | 0 | 5,602,000 | 5,602,000 | |
| Rough River Lake, KY | City of Leitchfield | 3,648 | 0 | 0 | 3,648 | | |
| | City of Hardinsburg | 17,781 | 0 | 0 | 17,781 | | |
| | Grayson County WD | 34,934 | 0 | 0 | 34,934 | 56,363 | |
| William H. Harsha Lake, OH | State of OH | 3,944,200 | 0 | 0 | 3,944,200 | 3,944,200 | |
| 11 projects | 16 agreements | 29,561,832 | 0 | 0 | 29,561,832 | 29,561,832 | |
| Nashville | | | | | | | |
| Center Hill Lake, TN | City of Cookeville | 2,816,877 | 0 | 0 | 2,816,877 | | |
| | City of Smithville | 54,536 | 0 | 0 | 54,536 | | |
| | Riverwatch Golf, Inc. | 96,775 | 0 | 0 | 96,775 | | |
| | DeKalb Utility District | 783,585 | 0 | 0 | 783,585 | 3,751,773 | |
| Dale Hollow Lake, TN & KY | City of Byrdstown | 372,716 | 0 | 0 | 372,716 | | |
| | Commonwealth of KY | 176,532 | 0 | 0 | 176,532 | | |
| | Trooper Island Camp | 916 | 0 | 0 | 916 | | |
| | Ezell & Wilma Nevans | 465 | 0 | 0 | 465 | 550,629 | |
| J. Percy Priest Dam & Reservoir, TN | City of LaVergne | 1,818,550 | 0 | 0 | 1,818,550 | | |
| | City of Murfreesboro | 3,051,429 | 0 | 0 | 3,051,429 | | |
| | Consolidated Utility | 1,804,609 | 0 | 0 | 1,804,609 | | |
| | Consolidated Utility | 820,277 | 0 | 0 | 820,277 | | |
| | YMCA of Middle TN | 16,638 | 0 | 0 | 16,638 | | |
| | Cedar Crest Golf Ventures, LLC. | 75,951 | 0 | 0 | 75,951 | | |
| | Town of Smyrna | 2,350,000 | 0 | 0 | 2,350,000 | 9,937,454 | |
| Laurel River Lake, KY | Laurel Co. Water Dist. | 166,847 | 0 | 0 | 166,847 | | |
| | City of Barbourville | 1,291,299 | 0 | 0 | 1,291,299 | | |
| | City of Barbourville | 612,310 | 0 | 0 | 612,310 | 2,070,456 | |

2011 Water Supply Database

| Lakes and Rivers Division | | LRD WS Storage Cost | | | | |
|--|--|--------------------------------|----------|--------------------|-------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| 4 projects | 19 agreements | 16,310,312 | 0 | 0 | 16,310,312 | 16,310,312 |
| Pittsburgh | | | | | | |
| Berlin Lake, OH | <i>Not Under Contract [1]</i> | 0 | 0 | 2,249,699 | 2,249,699 | |
| | | 0 | 0 | 200,000 | 200,000 | 2,449,699 |
| Mosquito Creek Lake, OH | City of Warren | 224,500 | 0 | 0 | 224,500 | 224,500 |
| Stonewall Jackson Lake, WV | <i>Not Under Contract [2]</i> | 0 | 0 | | | |
| | | | | 4,300,000 | 4,300,000 | 4,300,000 |
| Tygart, WV | City of Grafton [3] | 106,618 | 0 | 0 | 106,618 | 106,618 |
| Youghiogheny River Lake, PA | Municipal Auth. of Westmoreland County [4] | 2,557,949 | 0 | 0 | 2,557,949 | 2,557,949 |
| 5 projects | 3 agreements | 2,889,067 | 0 | 6,749,699 | 9,638,766 | 9,638,766 |
| Division Total | 28 projects 47 agreements | 71,454,266 | 0 | 6,749,699 | 78,203,965 | 78,203,965 |
| [1] LRP, Berlin. Original 50-year agreement with the Mahoning Valley; renew under similar terms, but not permitted by agreement. Sponsor | | | | | | |
| [2] LRP, Tygart. City of Weston, WV indicated an interest in an agree with the agreement. | | | | | | |
| [3] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd | | | | | | |
| [4] LRP, Youghiogheny. The Municipal Authority of Westmoreland C acre-feet of storage space covered in the reallocation report. | | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the preser of the ten-year interest free period. Price level varies. | | | | | | |
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ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Lakes and Rivers Division | | LRD Remaining Principal Owed [5] | | | |
|-------------------------------------|---------------------------------|----------------------------------|----------|-------------------|------------------------|
| Project | User | Amount Owed (\$) | | | District / MSC Percent |
| | | Present | Future | Total | |
| Huntington | | | | | |
| Alum Creek Lake, OH | State of OH (1968) | 6,407,379 | 0 | 6,407,379 | |
| Grayson Lake, KY | Rattlesnake Ridge | 0 | 0 | 0 | |
| | Rattlesnake Ridge | 60,905 | 0 | 60,905 | |
| John W. Flannagan, VA | John Flannagan Water Auth. | 122,303 | 0 | 122,303 | |
| North Fork of Pound River Lake, VA | City of Pound | 0 | 0 | 0 | |
| Paint Creek Lake, OH | Highland Water Company | 135,551 | 0 | 135,551 | |
| Paintsville Lake, KY | Paintsville Utilities | 4,774,940 | 0 | 4,774,940 | |
| Summersville Lake, WV | City of Summersville | 50,136 | 0 | 50,136 | |
| Tom Jennings Dam, OH | State of OH | 495,000 | 0 | 495,000 | |
| 8 projects | 9 agreements | 12,046,214 | 0 | 12,046,214 | 53% |
| Louisville | | | | | |
| Barren River Lake, KY | City of Glasgow | 0 | 0 | 0 | |
| | City of Scottsville | 0 | 0 | 0 | |
| Brookville Lake, IN | State of IN | 0 | 0 | 0 | |
| Caesar Creek Lake, OH | State of OH | 4,352,594 | 0 | 4,352,594 | |
| Carr Creek Lake, | Carr Creek Water Comm. | 0 | 0 | 0 | |
| Cave Run Lake, KY | Cave Run Water Comm. | 0 | 0 | 0 | |
| | City of West Liberty | 30,360 | 0 | 30,360 | |
| Green River Lake, KY | City of Campbellsville | 39,843 | 0 | 39,843 | |
| | City of Columbia | 0 | 0 | 0 | |
| Monroe Lake, IN | State of Indiana | 0 | 0 | 0 | |
| Nolin Lake, KY | Edmonson Co. Water Dist. | 0 | 0 | 0 | |
| Patoka Lake, IN | State of Indiana | 0 | 0 | 0 | |
| Rough River Lake, KY | City of Leitchfield | 0 | 0 | 0 | |
| | City of Hardinsburg | 0 | 0 | 0 | |
| | Grayson County WD | 34,934 | 0 | 34,934 | |
| William H. Harsha Lake, OH | State of OH | 3,176,358 | 0 | 3,176,358 | |
| 11 projects | 16 agreements | 7,634,089 | 0 | 7,634,089 | 26% |
| Nashville | | | | | |
| Center Hill Lake, TN | City of Cookeville | 2,295,774 | 0 | 2,295,774 | |
| | City of Smithville | 0 | 0 | 0 | |
| | Riverwatch Golf, Inc. | 82,743 | 0 | 82,743 | |
| | DeKalb Utility District | 738,171 | 0 | 738,171 | |
| Dale Hollow Lake, TN & KY | City of Byrdstown | 318,907 | 0 | 318,907 | |
| | Commonwealth of KY | 135,009 | 0 | 135,009 | |
| | Trooper Island Camp | 0 | 0 | 0 | |
| | Ezell & Wilma Nevans | 0 | 0 | 0 | |
| J. Percy Priest Dam & Reservoir, TN | City of LaVergne | 0 | 0 | 0 | |
| | City of Murfreesboro | 0 | 0 | 0 | |
| | Consolidated Utility | 0 | 0 | 0 | |
| | Consolidated Utility | 0 | 0 | 0 | |
| | YMCA of Middle TN | 13,560 | 0 | 13,560 | |
| | Cedar Crest Golf Ventures, LLC. | 64,613 | 0 | 64,613 | |
| | Town of Smyrna | 0 | 0 | 0 | |
| Laurel River Lake, KY | Laurel Co. Water Dist. | 142,760 | 0 | 142,760 | |
| | City of Barbourville | 1,193,588 | 0 | 1,193,588 | |
| | City of Barbourville | 577,585 | 0 | 577,585 | |

2011 Water Supply Database

| Lakes and Rivers Division | | LRD Remaining Principal Owed [5] | | | |
|--|--|----------------------------------|------------------|-------------------|------------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| 4 projects | 19 agreements | 5,562,710 | 0 | 5,562,710 | 34% |
| Pittsburgh | | | | | |
| Berlin Lake, OH | <i>Not Under Contract [1]</i> | 0 | 2,249,699 | 2,249,699 | |
| | | 0 | 200,000 | 200,000 | |
| Mosquito Creek Lake, OH | City of Warren | 0 | 0 | 0 | |
| Stonewall Jackson Lake, WV | <i>Not Under Contract [2]</i> | 0 | 4,300,000 | 4,300,000 | |
| Tygart, WV | City of Grafton [3] | 0 | 0 | 0 | |
| Youghiogheny River Lake, PA | Municipal Auth. of Westmoreland County [4] | 2,269,589 | 0 | 2,269,589 | |
| 5 projects | 3 agreements | 2,269,589 | 6,749,699 | 9,019,288 | 94% |
| Division Total | 28 projects 47 agreements | 27,512,602 | 6,749,699 | 34,262,301 | 44% |
| [1] LRP, Berlin. Original 50-year agreement with the Mahoning Valley; renew under similar terms, but not permitted by agreement. Sponsor | | | | | |
| [2] LRP, Tygart. City of Weston, WV indicated an interest in an agree with the agreement. | | | | | |
| [3] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd | | | | | |
| [4] LRP, Youghiogheny. The Municipal Authority of Westmoreland C acre-feet of storage space covered in the reallocation report. | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the preser of the ten-year interest free period. Price level varies. | | | | | |
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ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principle by Agreement

| Mississippi Valley Division | | MVD WS Agreement Data | | | |
|---|--|-----------------------|------------|---------------|-------------------|
| Project Name | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Rock Island | | | | | |
| Saylorville, IA | State of Iowa | Original | 1982 | 13.30 | 9.352 |
| 1 project | 1 agreement | | | 13.30 | |
| St. Louis | | | | | |
| Carlyle Lake, IL | State of IL | Original | 1983 | 24.50 | Prepaid |
| Clarence Cannon Dam & Mark Twain Lake., MO | State of Missouri | Original | 1988 | 10.50 | 3.220 |
| | Clarence Cannon Wholesale Water Commission State of MO | Original | 1988 | 5.50 | 3.220 |
| Lake Shelbyville, IL | State of IL | Original | 1983 | 17.00 | Prepaid |
| Rend Lake, IL | State of IL | Original | 1988 | 70.00 | Prepaid |
| 4 projects | 5 agreements | | | 127.50 | |
| Vicksburg | | | | | |
| Blakey Mt, Dam, Lake Ouachita, AR | N. Garland County Reg. WD | Reallocated | 1996 | 1.00 | 6.750 |
| DeGray, AR | Ouachita RWD [1] | Original | 1988 | 120.00 | 2.742 |
| | Ouachita RWD [2] | Original | 1992 | 1.00 | 2.742 |
| | Ouachita RWD [2] | Original | 1998 | 0.50 | 2.742 |
| | Ouachita RWD [2] | Original | 2001 | 1.00 | 2.742 |
| | City of Bryant, Arkansas [2] | Original | 2010 | 15.00 | 2.742 |
| | Ouachita RWD [3] | Original | 2011 | 6.00 | 2.742 |
| | Not Under Contract [4] | Assurance | N/A | 8.50 | 2.742 |
| Enid, MS | LSP Energy Limited | Reallocated | 1998 | 10.90 | 6.750 |
| 3 projects | 8 agreements | | | 163.90 | |
| Division Summary | 8 Projects / 14 agreements | | | 304.70 | |
| <p>[1] MVK, DeGray. In accordance with a 4 April 1988 MOA, the ORWD obtained the right of first refusal for all water supply storage in DeGray, estimated at a152 mgd. For this right of first refusal, the ORWD agreed to pay the annual interest attributable to 120 mgd. Annual interest payment estimated at \$154,426 has a been paid by ORWD since signing of the MOA. Since storage costs have not been repaid classify as future.</p> <p>[2] MVK DeGray. All present use storage agreements are being repaid. However, because they all contain significant interest after the end of the interest free period, the remaining balance is greater than the original present use cost. See footnote [5].</p> <p>[3] MVK DeGray 2011 agreement. The present cost plus the additional cost of \$282,488 was repaid in lump sum in May 2011.</p> <p>[4] Water supply agreements are currently under negotiation that, if executed, will use all of this remaining storage.</p> <p>[5] Remaining Principal owed includes (as applicable), for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.</p> | | | | | |

2011 Water Supply Database

| Mississippi Valley Division | | MVD WS Storage Space | | | | | Project WS Storage Space (acre-feet) |
|--|--|--|----------------|--------------------|----------------|----------------|--------------------------------------|
| Project Name | User | WS Agreement Storage Space (acre-feet) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| Rock Island | | | | | | | |
| Saylorville, IA | State of Iowa | 14,900 | 0 | 0 | 14,900 | 14,900 | |
| 1 project | 1 agreement | 14,900 | 0 | 0 | 14,900 | 14,900 | |
| St. Louis | | | | | | | |
| Carlyle Lake, IL | State of IL | 32,692 | 0 | 0 | 32,692 | 32,692 | |
| Clarence Cannon Dam & Mark Twain Lake., MO | State of Missouri | 0 | 13,125 | 0 | 13,125 | | |
| | Clarence Cannon Wholesale Water Commission State of MO | 6,875 | 0 | 0 | 6,875 | 20,000 | |
| Lake Shelbyville, IL | State of IL | 24,714 | 0 | 0 | 24,714 | 24,714 | |
| Rend Lake, IL | State of IL | 109,000 | 0 | 0 | 109,000 | 109,000 | |
| 4 projects | 5 agreements | 173,281 | 13,125 | 0 | 186,406 | 186,406 | |
| Vicksburg | | | | | | | |
| Blakey Mt, Dam, Lake Ouachita, AR | N. Garland County Reg. WD | 1,575 | 0 | 0 | 1,575 | 1,575 | |
| DeGray, AR | Ouachita RWD [1] | 0 | 188,470 | 0 | 188,470 | | |
| | Ouachita RWD [2] | 1,573 | 0 | 0 | 1,573 | | |
| | Ouachita RWD [2] | 787 | 0 | 0 | 787 | | |
| | Ouachita RWD [2] | 1,573 | 0 | 0 | 1,573 | | |
| | City of Bryant, Arkansas [2] | 23,595 | 0 | 0 | 23,595 | | |
| | Ouachita RWD [3] | 9,438 | 0 | 0 | 9,438 | | |
| | Not Under Contract [4] | 0 | 0 | 13,293 | 13,293 | 238,729 | |
| Enid, MS | LSP Energy Limited | 4,500 | 0 | 0 | 4,500 | 4,500 | |
| 3 projects | 8 agreements | 43,041 | 188,470 | 13,293 | 244,804 | 244,804 | |
| Division Summary | 8 Projects / 14 agreements | 231,222 | 201,595 | 13,293 | 446,110 | 446,110 | |
| [1] MVK, DeGray. In accordance with a 4 April 1988 MOA, the storage in DeGray, estimated at a152 mgd. For this right of first to 120 mgd. Annual interest payment estimated at \$154,426 ha costs have not been repaid classify as future. | | | | | | | |
| [2] MVK DeGray. All present use storage agreements are being after the end of the interest free period, the remaining balance i | | | | | | | |
| [3] MVK DeGray 2011 agreement. The present cost plus the ac | | | | | | | |
| [4] Water supply agreements are currently under negotiation the | | | | | | | |
| [5] Remaining Principal owed includes (as applicable), for the pi the ten-year interest free period. Price level varies. | | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principle by Agreement

| Mississippi Valley Division | | MVD WS Storage Cost | | | | |
|--|--|--------------------------------|-------------------|--------------------|-------------------|------------------------------|
| Project Name | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Rock Island | | | | | | |
| Saylorville, IA | State of Iowa | 3,869,300 | 0 | 0 | 3,869,300 | 3,869,300 |
| 1 project | 1 agreement | 3,869,300 | 0 | 0 | 3,869,300 | 3,869,300 |
| St. Louis | | | | | | |
| Carlyle Lake, IL | State of IL | 3,635,000 | 0 | 0 | 3,635,000 | 3,635,000 |
| Clarence Cannon Dam & Mark Twain Lake., MO | State of Missouri | 0 | 11,510,424 | 0 | 11,510,424 | |
| | Clarence Cannon Wholesale Water Commission State of MO | 6,028,180 | 0 | 0 | 6,028,180 | 17,538,604 |
| Lake Shelbyville, IL | State of IL | 4,310,000 | 0 | 0 | 4,310,000 | 4,310,000 |
| Rend Lake, IL | State of IL | 9,941,000 | 0 | 0 | 9,941,000 | 9,941,000 |
| 4 projects | 5 agreements | 23,914,180 | 11,510,424 | 0 | 35,424,604 | 35,424,604 |
| Vicksburg | | | | | | |
| Blakey Mt, Dam, Lake Ouachita, AR | N. Garland County Reg. WD | 110,751 | 0 | 0 | 110,751 | 110,751 |
| DeGray, AR | Ouachita RWD [1] | 0 | 4,660,863 | 0 | 4,660,863 | |
| | Ouachita RWD [2] | 38,847 | 0 | 0 | 38,847 | |
| | Ouachita RWD [2] | 19,423 | 0 | 0 | 19,423 | |
| | Ouachita RWD [2] | 38,847 | 0 | 0 | 38,847 | |
| | City of Bryant, Arkansas [2] | | | 0 | | |
| | | 583,316 | 0 | | 583,316 | |
| | Ouachita RWD [3] | 233,208 | 0 | 0 | 233,208 | |
| | Not Under Contract [4] | 0 | 0 | 329,496 | 329,496 | 5,904,000 |
| Enid, MS | LSP Energy Limited | 1,111,898 | 0 | 0 | 1,111,898 | 1,111,898 |
| 3 projects | 8 agreements | 2,136,290 | 4,660,863 | 329,496 | 7,126,649 | 7,126,649 |
| Division Summary | 8 Projects / 14 agreements | 29,919,770 | 16,171,287 | 329,496 | 46,420,553 | 46,420,553 |
| [1] MVK, DeGray. In accordance with a 4 April 1988 MOA, the storage in DeGray, estimated at a152 mgd. For this right of first to 120 mgd. Annual interest payment estimated at \$154,426 ha costs have not been repaid classify as future. | | | | | | |
| [2] MVK DeGray. All present use storage agreements are being after the end of the interest free period, the remaining balance i | | | | | | |
| [3] MVK DeGray 2011 agreement. The present cost plus the ac | | | | | | |
| [4] Water supply agreements are currently under negotiation the | | | | | | |
| [5] Remaining Principal owed includes (as applicable), for the pi the ten-year interest free period. Price level varies. | | | | | | |

2011 Water Supply Database

| Mississippi Valley Division | | MVD Reaming Principal Owed [5] | | | |
|--|--|--------------------------------|-------------------|-------------------|------------------------|
| Project Name | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| Rock Island | | | | | |
| Saylorville, IA | State of Iowa | 0 | 0 | 0 | |
| 1 project | 1 agreement | 0 | 0 | 0 | 0% |
| St. Louis | | | | | |
| Carlyle Lake, IL | State of IL | 0 | 0 | 0 | |
| Clarence Cannon Dam & Mark Twain Lake., MO | State of Missouri | 0 | 11,510,424 | 11,510,424 | |
| | Clarence Cannon Wholesale Water Commission State of MO | 3,758,838 | 0 | 3,758,838 | |
| Lake Shelbyville, IL | State of IL | 0 | 0 | 0 | |
| Rend Lake, IL | State of IL | 0 | 0 | 0 | |
| 4 projects | 5 agreements | 3,758,838 | 11,510,424 | 15,269,262 | 43% |
| Vicksburg | | | | | |
| Blakey Mt, Dam, Lake Ouachita, AR | N. Garland County Reg. WD | 0 | 0 | 0 | |
| DeGray, AR | Ouachita RWD [1] | 0 | 4,660,863 | 4,660,863 | |
| | Ouachita RWD [2] | 41,646 | 0 | 41,646 | |
| | Ouachita RWD [2] | 22,524 | 0 | 22,524 | |
| | Ouachita RWD [2] | 51,577 | 0 | 51,577 | |
| | City of Bryant, Arkansas [2] | 1,067,813 | 0 | 1,067,813 | |
| | Ouachita RWD [3] | 0 | 0 | 0 | |
| | Not Under Contract [4] | 0 | 329,496 | 329,496 | |
| Enid, MS | LSP Energy Limited | 838,738 | 0 | 838,738 | |
| 3 projects | 8 agreements | 2,022,298 | 4,990,359 | 7,012,657 | 98% |
| Division Summary | 8 Projects / 14 agreements | 5,781,136 | 16,500,783 | 22,281,919 | 48% |
| [1] MVK, DeGray. In accordance with a 4 April 1988 MOA, the storage in DeGray, estimated at a152 mgd. For this right of first to 120 mgd. Annual interest payment estimated at \$154,426 ha costs have not been repaid classify as future. | | | | | |
| [2] MVK DeGray. All present use storage agreements are being after the end of the interest free period, the remaining balance i | | | | | |
| [3] MVK DeGray 2011 agreement. The present cost plus the ac | | | | | |
| [4] Water supply agreements are currently under negotiation the | | | | | |
| [5] Remaining Principal owed includes (as applicable), for the pi the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Northwestern Division | | NWD WS Agreement Data | | | |
|-------------------------------|--|-----------------------|-----------|--------------|-------------------|
| Project Name | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Omaha | | | | | |
| Bowman Haley, ND | Bowman County Water Management Dist. | Original | 1981 | 1.90 | 3.046 |
| Garrison, ND | Basin Elect. Power Coop. | Original | 2005 | 18.75 | 4.125 |
| 2 projects | 2 agreements | | | 20.65 | |
| Seattle | | | | | |
| Howard Hanson, WA [3] | City of Tacoma, Public Util. | Modification | 2003 | 33.60 | pre paid |
| 1 project | 1 agreement | | | 33.60 | |
| Portland | | | | | |
| Lost Creek, OR | City of Phoenix | Original | 1982 | 0.04 | 3.253 |
| | Cit of Phoenix | Original | 1991 | 0.05 | 3.253 |
| | City of Jacksonville | Original | 1996 | 0.04 | 3.253 |
| | Anglers' Cove/Shady Cove Heights Water Co. | Original | 1998 | 0.00 | 3.253 |
| | City of Ashland | Original | 2002 | 0.09 | 3.253 |
| | City of Talent | Original | 2002 | 0.12 | 3.253 |
| | City of Shady Cove | Original | 2002 | 0.00 | 3.253 |
| | Sandy Cove Waterworks | Original | 2006 | 0.01 | 3.253 |
| | Rogue Aggregates, Inc. | Original | 2007 | 0.00 | 3.253 |
| | Angler's Cove/Shady Cove Heights Water Co. | Original | 2007 | 0.00 | 3.253 |
| | Crowfoot Road Water Improvement District | Original | 2008 | 0.00 | 3253.000 |
| | Not Under Contract | | NA | 8.58 | 3.253 |
| 1 project | 11 agreements | | | 8.93 | |
| Kansas City | | | | | |
| Clinton Lake, KS | State of Kansas | Original | 1978 | 17.40 | 3.502 |
| Harry S Truman Dam & Res., MO | Henry Co. PWSD #3 | Reallocated | 1994 | 0.41 | 6.125 |
| | Henry Co. PWSD #2 | Reallocated | 1997 | 0.26 | 7.125 |
| Hillsdale Lake, KS | State of Kansas | Original | 1974 | 2.92 | 4.012 |
| [1] | Activate future | Original | 2009 | 2.24 | 4.012 |
| Kanopolis Lake, KS | State of Kansas | Reallocated | 2002 | 12.90 | 5.625 |
| Long Branch Lake, MO | City of Macon | Original | 1972 | 1.28 | 3.649 |
| | Not Under Contract | Original | | 5.82 | na |
| Melvorn Lake, KS [2] | State of Kansas | Reallocated | 1994 | 7.20 | 3.225 |
| Milford Lake, KS | State of Kansas | Original | 1980 | 53.04 | 2.632 |
| | Activate future | | | 37.61 | |
| | Activate future | | | 20.35 | |
| Perry Lake, KS | State of Kansas | Original | 1976 | 74.60 | 3.040 |
| Pomona Lake, KS | RWD#3 Osage Co. | Original | 1964 | 0.06 | 2.670 |
| | RWD#3 | Original | 1980 | 0.06 | 4.371 |
| | State of Kansas | Reallocated | 1995 | 3.21 | 2.699 |
| | State of Kansas | Reallocated | 1995 | 4.07 | 2.700 |
| Rathbun Lake, IA | Rathbun Regional Water Assoc, Inc. (RRWA) | Reallocated | 1986 | 1.02 | 5.116 |
| | RRWA | Reallocated | 1989 | 1.02 | 9.250 |
| Smithville Lake, MO | City of Smithville | Original | 1972 | 2.43 | 3.649 |
| | City of Plattsburg | Original | 1972 | 3.46 | 3.649 |
| | Not Under Contract | Original | NA | 22.91 | NA |
| Stockton Lake, MO | City of Springfield | Reallocated | 1993 | 30.00 | 6.125 |

2011 Water Supply Database

| Northwestern Division | | NWD WS Agreement Data | | | |
|--|--|-----------------------|------|---------------|-------------------|
| Project Name | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Tuttle Creek Lake, KS | State of Kansas | Reallocated | 1990 | 31.80 | 2.553 |
| | State of Kansas | Reallocated | 1994 | 10.03 | 2.553 |
| | State of Kansas | Reallocated | 1996 | 16.00 | 2.553 |
| 13 projects | 21 agreements +3 act. fut. | | | 362.10 | |
| Division Total | 17 projects / 35 agreements + 3 activate future | | | 425.28 | |
| [1] NWK Hillsdale. Remaining balance on initiate future includes cost updated to 2009 prices. | | | | | |
| [2] NWK Melvern. Cost developed under a MOU with the state of KS. Storage costs based on original construction or sunk costs of the reallocated water quality storage. | | | | | |
| [3] NWS Howard Hanson. The Non-Federal sponsor shall pay a share of the existing project investment costs as required by law, equal to one half the difference of the least cost alternative of providing equivalent water supply less the present-worth cost of the total project modification costs for Municipal and Industrial Water Supply. The City is contributing their share of construction funds during the period of construction. | | | | | |
| [4] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Northwestern Division | | NWD WS Storage Space | | | | | Project WS Storage Space (acre-feet) |
|-------------------------------|--|--|----------|--------------------|---------------|---------------|--------------------------------------|
| Project Name | User | WS Agreement Storage Space (acre-feet) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| Omaha | | | | | | | |
| Bowman Haley, ND | Bowman County Water Management Dist. | 15,500 | 0 | 0 | 15,500 | 15,500 | |
| Garrison, ND | Basin Elect. Power Coop. | 54,390 | 0 | 0 | 54,390 | 54,390 | |
| 2 projects | 2 agreements | 69,890 | 0 | 0 | 69,890 | 69,890 | |
| Seattle | | | | | | | |
| Howard Hanson, WA [3] | City of Tacoma, Public Util. | 20,000 | 0 | 0 | 20,000 | 20,000 | |
| 1 project | 1 agreement | 20,000 | 0 | 0 | 20,000 | 20,000 | |
| Portland | | | | | | | |
| Lost Creek, OR | City of Phoenix | 400 | 0 | 0 | 400 | | |
| | Cit of Phoenix | 600 | 0 | 0 | 600 | | |
| | City of Jacksonville | 400 | 0 | 0 | 400 | | |
| | Anglers' Cove/Shady Cove Heights Water Co. | 3 | 0 | 0 | 3 | | |
| | City of Ashland | 1,001 | 0 | 0 | 1,001 | | |
| | City of Talent | 1,292 | 0 | 0 | 1,292 | | |
| | City of Shady Cove | 12 | 0 | 0 | 12 | | |
| | Sandy Cove Waterworks | 100 | 0 | 0 | 100 | | |
| | Rogue Aggregates, Inc. | 5 | 0 | 0 | 5 | | |
| | Angler's Cove/Shady Cove Heights Water Co. | 5 | 0 | 0 | 5 | | |
| | Crowfoot Road Water Improvement District | 5 | 0 | 0 | 5 | | |
| | Not Under Contract | 0 | 0 | 6,177 | 6,177 | 10,000 | |
| 1 project | 11 agreements | 3,823 | 0 | 6,177 | 10,000 | 10,000 | |
| Kansas City | | | | | | | |
| Clinton Lake, KS | State of Kansas | 53,520 | 35,680 | 0 | 89,200 | 89,200 | |
| Harry S Truman Dam & Res., MO | Henry Co. PWSD #3 | 172 | 0 | 0 | 172 | | |
| | Henry Co. PWSD #2 | 111 | 0 | 0 | 111 | 283 | |
| Hillsdale Lake, KS | State of Kansas | 7,500 | 39,750 | 0 | 47,250 | | |
| | [1] Activate future | 5,750 | 0 | 0 | 5,750 | 53,000 | |
| Kanopolis Lake, KS | State of Kansas | 12,500 | 0 | 0 | 12,500 | 12,500 | |
| Long Branch Lake, MO | City of Macon | 4,400 | 0 | 0 | 4,400 | | |
| | Not Under Contract | 0 | 0 | 20,000 | 20,000 | 24,400 | |
| Melvorn Lake, KS [2] | State of Kansas | 50,000 | 0 | 0 | 50,000 | 50,000 | |
| Milford Lake, KS | State of Kansas | 0 | 198,350 | 0 | 198,350 | | |
| | Activate future | 46,650 | 0 | 0 | 46,650 | | |
| | Activate future | 55,000 | 0 | 0 | 55,000 | 300,000 | |
| Perry Lake, KS | State of Kansas | 25,000 | 125,000 | 0 | 150,000 | 150,000 | |
| Pomona Lake, KS | RWD#3 Osage Co. | 230 | 0 | 0 | 230 | | |
| | RWD#3 | 270 | 0 | 0 | 270 | | |
| | State of Kansas | 14,324 | 0 | 0 | 14,324 | | |
| | State of Kansas | 18,176 | 0 | 0 | 18,176 | 33,000 | |
| Rathbun Lake, IA | Rathbun Regional Water Assoc, Inc. (RRWA) | 3,340 | 0 | 0 | 3,340 | | |
| | RRWA | 3,340 | 0 | 0 | 3,340 | 6,680 | |
| Smithville Lake, MO | City of Smithville | 2,000 | 6,000 | 0 | 8,000 | | |
| | City of Plattsburg | 2,650 | 8,850 | 0 | 11,500 | | |
| | Not Under Contract | 0 | 0 | 75,700 | 75,700 | 95,200 | |
| Stockton Lake, MO | City of Springfield | 25,000 | 25,000 | 0 | 50,000 | 50,000 | |

2011 Water Supply Database

| Northwestern Division | | NWD WS Storage Space | | | | | Project WS Storage Space (acre-feet) |
|---|--|--|----------------|--------------------|------------------|------------------|--------------------------------------|
| Project Name | User | WS Agreement Storage Space (acre-feet) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| Tuttle Creek Lake, KS | State of Kansas | 27,500 | 0 | 0 | 27,500 | | |
| | State of Kansas | 8,650 | 0 | 0 | 8,650 | | |
| | State of Kansas | 13,850 | 0 | 0 | 13,850 | 50,000 | |
| 13 projects | 21 agreements +3 act. fut. | 379,933 | 438,630 | 95,700 | 914,263 | 914,263 | |
| Division Total | 17 projects / 35 agreements + 3 activate future | 473,646 | 438,630 | 101,877 | 1,014,153 | 1,014,153 | |
| [1] NWK Hillsdale. Remaining balance on initiate future includes | | | | | | | |
| [2] NWK Melvern. Cost developed under a MOU with the state of costs of the reallocated water quality storage. | | | | | | | |
| [3] NWS Howard Hanson. The Non-Federal sponsor shall pay a s law, equal to one half the difference of the least cost alternative o of the total project modification costs for Municipal and Industrial \ construction funds during the period of construction. | | | | | | | |
| [4] Remaining Principal owed (as applicable) includes, for the pre: of the ten-year interest free period. Price level varies. | | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Northwestern Division | | NWD WS Storage Cost | | | | | Project WS Storage Cost (\$) |
|-------------------------------|--|--------------------------------|------------|--------------------|-------------------|-------------------|------------------------------|
| Project Name | User | WS Agreement Storage Cost (\$) | | | | | |
| | | Present | Future | Not Under Contract | Total | | |
| Omaha | | | | | | | |
| Bowman Haley, ND | Bowman County Water Management Dist. | 824,985 | 0 | 0 | 824,985 | 824,985 | 824,985 |
| Garrison, ND | Basin Elect. Power Coop. | 1,049,145 | 0 | 0 | 1,049,145 | 1,049,145 | 1,049,145 |
| 2 projects | 2 agreements | 1,874,130 | 0 | 0 | 1,874,130 | 1,874,130 | 1,874,130 |
| Seattle | | | | | | | |
| Howard Hanson, WA [3] | City of Tacoma, Public Util. | 18,368,000 | 0 | 0 | 18,368,000 | 18,368,000 | 18,368,000 |
| 1 project | 1 agreement | 18,368,000 | 0 | 0 | 18,368,000 | 18,368,000 | 18,368,000 |
| Portland | | | | | | | |
| Lost Creek, OR | City of Phoenix | 269,650 | 0 | 0 | 269,650 | | |
| | Cit of Phoenix | 404,475 | 0 | 0 | 404,475 | | |
| | City of Jacksonville | 269,650 | 0 | 0 | 269,650 | | |
| | Anglers' Cove/Shady Cove Heights Water Co. | 2,022 | 0 | 0 | 2,022 | | |
| | City of Ashland | 928,475 | 0 | 0 | 928,475 | | |
| | City of Talent | 1,199,590 | 0 | 0 | 1,199,590 | | |
| | City of Shady Cove | 11,142 | 0 | 0 | 11,142 | | |
| | Sandy Cove Waterworks | 105,531 | 0 | 0 | 105,531 | | |
| | Rogue Aggregates, Inc. | 5,449 | 0 | 0 | 5,449 | | |
| | Angler's Cove/Shady Cove Heights Water Co. | 5,449 | 0 | 0 | 5,449 | | |
| | Crowfoot Road Water Improvement District | 6,893 | 0 | 0 | 6,893 | | |
| | Not Under Contract | 0 | 0 | 4,161,259 | 4,168,152 | 7,376,478 | 7,376,478 |
| 1 project | 11 agreements | 3,208,326 | 0 | 4,161,259 | 7,376,478 | 7,376,478 | 7,376,478 |
| Kansas City | | | | | | | |
| Clinton Lake, KS | State of Kansas | 4,185,857 | 2,269,826 | 0 | 6,455,683 | 6,455,683 | 6,455,683 |
| Harry S Truman Dam & Res., MO | Henry Co. PWS#3 | 44,006 | 0 | 0 | 44,006 | | |
| | Henry Co. PWS#2 | 35,506 | 0 | 0 | 35,506 | 79,512 | |
| Hillsdale Lake, KS | State of Kansas | 3,314,167 | 11,631,606 | 0 | 14,945,773 | | |
| | [1] Activate future | 5,158,421 | 0 | 0 | 5,158,421 | 20,104,194 | |
| Kanopolis Lake, KS | State of Kansas | 4,181,167 | 0 | 0 | 4,181,167 | 4,181,167 | |
| Long Branch Lake, MO | City of Macon | 1,118,261 | 0 | 0 | 1,118,261 | | |
| | Not Under Contract | 0 | 0 | 5,083,005 | 5,083,005 | 6,201,266 | 6,201,266 |
| Melvorn Lake, KS [2] | State of Kansas | 7,094,009 | 0 | 0 | 7,094,009 | 7,094,009 | |
| Milford Lake, KS | State of Kansas | 0 | 8,625,300 | 0 | 8,625,300 | | |
| | Activate future | 2,028,587 | 0 | 0 | 2,028,587 | | |
| | Activate future | 2,391,689 | 0 | 0 | 2,391,689 | 13,045,576 | |
| Perry Lake, KS | State of Kansas | 1,535,030 | 7,673,311 | 0 | 9,208,341 | 9,208,341 | |
| Pomona Lake, KS | RWD#3 Osage Co. | 13,358 | 0 | 0 | 13,358 | | |
| | RWD#3 | 19,852 | 0 | 0 | 19,852 | | |
| | State of Kansas | 1,555,242 | 0 | 0 | 1,555,242 | | |
| | State of Kansas | 2,009,480 | 0 | 0 | 2,009,480 | 3,597,932 | |
| Rathbun Lake, IA | Rathbun Regional Water Assoc, Inc. (RRWA) | 331,019 | 0 | 0 | 331,019 | | |
| | RRWA | 498,916 | 0 | 0 | 498,916 | 829,935 | |
| Smithville Lake, MO | City of Smithville | 298,890 | 1,107,816 | 0 | 1,406,706 | | |
| | City of Plattsburg | 847,116 | 1,194,129 | 0 | 2,041,245 | | |
| | Not Under Contract | 0 | 0 | 13,310,958 | 13,910,956 | 17,358,907 | 17,358,907 |
| Stockton Lake, MO | City of Springfield | 4,796,426 | 4,796,425 | 0 | 9,592,851 | 9,592,851 | |

2011 Water Supply Database

| Northwestern Division | | NWD WS Storage Cost | | | | |
|---|--|--------------------------------|-------------------|--------------------|--------------------|------------------------------|
| Project Name | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Tuttle Creek Lake, KS | State of Kansas | 1,876,748 | 0 | 0 | 1,876,748 | |
| | State of Kansas | 648,831 | 0 | 0 | 648,831 | |
| | State of Kansas | 1,090,378 | 0 | 0 | 1,090,378 | 3,615,957 |
| 13 projects | 21 agreements +3 act. fut. | 45,072,956 | 37,298,413 | 18,393,963 | 101,365,330 | 101,365,330 |
| Division Total | 17 projects / 35 agreements + 3 activate future | 68,523,412 | 37,298,413 | 22,555,222 | 128,983,938 | 128,983,938 |
| [1] NWK Hillsdale. Remaining balance on initiate future includes | | | | | | |
| [2] NWK Melvern. Cost developed under a MOU with the state of costs of the reallocated water quality storage. | | | | | | |
| [3] NWS Howard Hanson. The Non-Federal sponsor shall pay a s law, equal to one half the difference of the least cost alternative o of the total project modification costs for Municipal and Industrial \ construction funds during the period of construction. | | | | | | |
| [4] Remaining Principal owed (as applicable) includes, for the pre: of the ten-year interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Northwestern Division | | NWD Remaining Principal Owed (\$) [4] | | | |
|-------------------------------|--|---------------------------------------|-------------------|-------------------|------------------------|
| Project Name | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| Omaha | | | | | |
| Bowman Haley,ND | Bowman County Water Management Dist. | 122,421 | 0 | 122,421 | |
| Garrison, ND | Basin Elect. Power Coop. | 346,062 | 0 | 346,062 | |
| 2 projects | 2 agreements | 468,483 | 0 | 468,483 | 25% |
| Seattle | | | | | |
| Howard Hanson, WA [3] | City of Tacoma, Public Util. | 0 | 0 | 0 | |
| 1 project | 1 agreement | 0 | 0 | 0 | 0% |
| Portland | | | | | |
| Lost Creek, OR | City of Phoenix | 154,696 | 0 | 154,696 | |
| | Cit of Phoenix | 0 | 0 | 0 | |
| | City of Jacksonville | 0 | 0 | 0 | |
| | Anglers' Cove/Shady Cove Heights Water Co. | 0 | 0 | 0 | |
| | City of Ashland | 0 | 0 | 0 | |
| | City of Talent | 0 | 0 | 0 | |
| | City of Shady Cove | 0 | 0 | 0 | |
| | Sandy Cove Waterworks | 0 | 0 | 0 | |
| | Rogue Aggregates, Inc. | 0 | 0 | 0 | |
| | Angler's Cove/Shady Cove Heights Water Co. | 0 | 0 | 0 | |
| | Crowfoot Road Water Improvement District | 0 | 0 | 0 | |
| | Not Under Contract | 0 | 4,168,152 | 4,168,152 | |
| 1 project | 11 agreements | 154,696 | 4,168,152 | 4,322,848 | 59% |
| Kansas City | | | | | |
| Clinton Lake, KS | State of Kansas | 0 | 0 | 0 | |
| Harry S Truman Dam & Res., MO | Henry Co. PWSD #3 | 0 | 0 | 0 | |
| | Henry Co. PWSD #2 | 0 | 0 | 0 | |
| Hillsdale Lake, KS | State of Kansas | 2,220,970 | 11,631,606 | 13,852,576 | |
| | [1] Activate future | 4,385,055 | 0 | 4,385,055 | |
| Kanopolis Lake, KS | State of Kansas | 2,772,250 | 0 | 2,772,250 | |
| Long Branch Lake, MO | City of Macon | 615,457 | 0 | 615,457 | |
| | Not Under Contract | 0 | 5,083,005 | 5,083,005 | |
| Melvorn Lake, KS [2] | State of Kansas | 0 | 0 | 0 | |
| Milford Lake, KS | State of Kansas | 0 | 8,625,300 | 8,625,300 | |
| | Activate future | 0 | 0 | 0 | |
| | Activate future | 1,981,732 | 0 | 1,981,732 | |
| Perry Lake, KS | State of Kansas | 429,548 | 7,673,311 | 8,102,859 | |
| Pomona Lake, KS | RWD#3 Osage Co. | 0 | 0 | 0 | |
| | RWD#3 | 0 | 0 | 0 | |
| | State of Kansas | 0 | 0 | 0 | |
| | State of Kansas | 0 | 0 | 0 | |
| Rathbun Lake, IA | Rathbun Regional Water Assoc, Inc. (RRWA) | 183,196 | 0 | 183,196 | |
| | RRWA | 0 | 0 | 0 | |
| Smithville Lake, MO | City of Smithville | 177,079 | 1,107,816 | 1,284,895 | |
| | City of Plattsburg | 606,445 | 1,194,129 | 1,800,574 | |
| | Not Under Contract | 0 | 13,310,956 | 13,310,956 | |
| Stockton Lake, MO | City of Springfield | 0 | 4,798,425 | 4,798,425 | |

2011 Water Supply Database

| Northwestern Division | | NWD Remaining Principal Owed (\$) [4] | | | |
|---|--|---------------------------------------|-------------------|-------------------|------------------------|
| Project Name | User | Amount Owed (\$) | | | District / MSC Percent |
| | | Present | Future | Total | |
| Tuttle Creek Lake, KS | State of Kansas | 0 | 0 | 0 | |
| | State of Kansas | 0 | 0 | 0 | |
| | State of Kansas | 0 | 0 | 0 | |
| 13 projects | 21 agreements +3 act. fut. | 13,371,732 | 53,424,548 | 66,796,280 | 66% |
| Division Total | 17 projects / 35 agreements + 3 activate future | 13,994,911 | 57,592,700 | 71,587,611 | 56% |
| [1] NWK Hillsdale. Remaining balance on initiate future includes | | | | | |
| [2] NWK Melvern. Cost developed under a MOU with the state of costs of the reallocated water quality storage. | | | | | |
| [3] NWS Howard Hanson. The Non-Federal sponsor shall pay a s law, equal to one half the difference of the least cost alternative o of the total project modification costs for Municipal and Industrial \ construction funds during the period of construction. | | | | | |
| [4] Remaining Principal owed (as applicable) includes, for the pre: of the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| South Pacific Division | | SPD Agreement Data | | | |
|--|--|--------------------|------|---------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield | Interest Rate (%) |
| Albuquerque | | | | | |
| Abiquiu [1] | Albuquerque Bernalillo Co. Water Utility Auth. | Original | 1986 | 0.7 | none |
| 1 project | 1 agreement | | | 0.7 | |
| San Francisco | | | | | |
| Coyote Valley dam / Lake Mendocino, CA [2] | Sonoma Co. Water Agency | Original | 1956 | 61.97 | 0.000 |
| Dry Creek, Warm Springs dam / Lake Sonoma, CA [3] | Sonoma Co. Water Agency | Original | 1982 | 186.43 | 3.225 |
| 2 projects | 2 agreements | | | 248.4 | |
| Sacramento | | | | | |
| Hew Hogan, CA [4] | Calaveras County Water Dist. | Original | 1970 | 10.33 | 0.000 |
| 1 project | 1 agreement | | | 10.33 | |
| Division Totals | 4 projects / 4 agreements | | | 259.43 | |
| <p>[1] SPA Abiquiu. March 1986 contract under PL 97-140. The Albuquerque Bernalillo County Water Utility Authority uses the reservoir as a pass through for San Juan Chama water being stored in the flood control storage pool. Original user was the City of Albuquerque. PL 97-140 was amended by PL 100-522; U.S. Code 43-12B Section 620a. There are no construction costs. Yearly O&M costs are paid on a prorata basis.</p> | | | | | |
| <p>[3] SPN Coyote Valley. In March 1956, the SCWA paid in full to the Sec. Interior, who transferred to the Sec Army, \$5,598,000. This was payment in full for storage space and operation and maintenance costs.</p> | | | | | |
| <p>[3] SPN Dry Creek. The contract is for four blocks of storage: 44,000, 44,000, 44,000 and 80,000. The first block was to due and payable in 1992, the 2nd in 1995, the 3rd in 2000 and the 4th in 2005. Since all dates have passed, it is assumed all storage is under present use. If this is not the case and only interest on the principal is accruing, then a change must be made to the present and future spaces and costs.</p> | | | | | |
| <p>[4] SPK. Balance of construction costs paid in full on 31 March 2010. User pays prorata share of O&M costs. These costs, however, are not separated into the O&M for irrigation and the O&M for M&I water supply. This agreement with the county is actually a BOR contact for 310,000 acre-feet that includes 105,000 acre-feet set aside for M&I.</p> | | | | | |
| <p>[5] Remaining Principal (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.</p> | | | | | |

2011 Water Supply Database

| South Pacific Division | | SPD WS Storage Space | | | | |
|---|--|--|----------|--------------------|----------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| Albuquerque | | | | | | |
| Abiquiu [1] | Albuquerque Bernalillo Co. Water Utility Auth. | 178,000 | 0 | 0 | 178,000 | 178,000 |
| 1 project | 1 agreement | 178,000 | 0 | 0 | 178,000 | 178,000 |
| San Francisco | | | | | | |
| Coyote Valley dam / Lake Mendocino, CA [2] | Sonoma Co. Water Agency | 70,000 | 0 | 0 | 70,000 | 70,000 |
| Dry Creek, Warm Springs dam / Lake Sonoma, CA [3] | Sonoma Co. Water Agency | 212,000 | 0 | 0 | 212,000 | 212,000 |
| 2 projects | 2 agreements | 282,000 | 0 | 0 | 282,000 | 282,000 |
| Sacramento | | | | | | |
| Hew Hogan, CA [4] | Calaveras County Water Dist. | 105,000 | 0 | 0 | 105,000 | 105,000 |
| 1 project | 1 agreement | 105,000 | 0 | 0 | 105,000 | 105,000 |
| Division Totals | 4 projects / 4 agreements | 565,000 | 0 | 0 | 565,000 | 565,000 |
| [1] SPA Abiquiu. March 1986 contract under PL 97-140. The Alb a pass through for San Juan Chama water being stored in the floc 97-140 was amended by PL 100-522; U.S. Code 43-12B Section prorata basis. | | | | | | |
| [3] SPN Coyote Valley. In March 1956, the SCWA paid in full to tl payment in full for storage space and operation and maintenance | | | | | | |
| [3] SPN Dry Creek. The contract is for four blocks of storage: 44, payable in 1992, the 2nd in 1995, the 3rd in 2000 and the 4th in 2 present use. If this is not the case and only interest on the princij spaces and costs. | | | | | | |
| [4] SPK. Balance of construction costs paid in full on 31 March 20 not separated into the O&M for irrigation and the O&M for M&I wa 310,000 acre-feet that includes 105,000 acre-feet set aside for M& | | | | | | |
| [5] Remaining Principal (as applicable) includes, for the present u: interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| South Pacific Division | | SPD WS Storage Cost | | | | |
|---|--|--------------------------------|----------|--------------------|--------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Albuquerque | | | | | | |
| Abiquiu [1] | Albuquerque Bernalillo Co. Water Utility Auth. | 0 | 0 | 0 | 0 | 0 |
| 1 project | 1 agreement | 0 | 0 | 0 | 0 | 0 |
| San Francisco | | | | | | |
| Coyote Valley dam / Lake Mendocino, CA [2] | Sonoma Co. Water Agency | 5,598,000 | 0 | 0 | 5,598,000 | 5,598,000 |
| Dry Creek, Warm Springs dam / Lake Sonoma, CA [3] | Sonoma Co. Water Agency | 122,061,048 | 0 | 0 | 122,061,048 | 122,061,048 |
| 2 projects | 2 agreements | 127,659,048 | 0 | 0 | 127,659,048 | 127,659,048 |
| Sacramento | | | | | | |
| Hew Hogan, CA [4] | Calaveras County Water Dist. | 47,181 | 0 | 0 | 47,181 | 47,182 |
| 1 project | 1 agreement | 47,181 | 0 | 0 | 47,181 | 47,182 |
| Division Totals | 4 projects / 4 agreements | 127,706,229 | 0 | 0 | 127,706,229 | 127,706,230 |
| [1] SPA Abiquiu. March 1986 contract under PL 97-140. The Alb a pass through for San Juan Chama water being stored in the floc 97-140 was amended by PL 100-522; U.S. Code 43-12B Section prorata basis. | | | | | | |
| [3] SPN Coyote Valley. In March 1956, the SCWA paid in full to tl payment in full for storage space and operation and maintenance | | | | | | |
| [3] SPN Dry Creek. The contract is for four blocks of storage: 44, payable in 1992, the 2nd in 1995, the 3rd in 2000 and the 4th in 2 present use. If this is not the case and only interest on the princij spaces and costs. | | | | | | |
| [4] SPK. Balance of construction costs paid in full on 31 March 20 not separated into the O&M for irrigation and the O&M for M&I wa 310,000 acre-feet that includes 105,000 acre-feet set aside for M& | | | | | | |
| [5] Remaining Principal (as applicable) includes, for the present u: interest free period. Price level varies. | | | | | | |

2011 Water Supply Database

| South Pacific Division | | SPD Remaining Principal Owed [5] | | | |
|---|--|----------------------------------|----------|--------------------|------------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District / MSC Percent |
| Albuquerque | | | | | |
| Abiquiu [1] | Albuquerque Bernalillo Co. Water Utility Auth. | 0 | 0 | 0 | |
| 1 project | 1 agreement | 0 | 0 | 0 | 0% |
| San Francisco | | | | | |
| Coyote Valley dam / Lake Mendocino, CA [2] | Sonoma Co. Water Agency | 0 | 0 | 0 | |
| Dry Creek, Warm Springs dam / Lake Sonoma, CA [3] | Sonoma Co. Water Agency | 100,980,474 | 0 | 100,980,479 | |
| 2 projects | 2 agreements | 100,980,474 | 0 | 100,980,479 | 79% |
| Sacramento | | | | | |
| Hew Hogan, CA [4] | Calaveras County Water Dist. | 0 | 0 | 0 | |
| 1 project | 1 agreement | 0 | 0 | 0 | 0% |
| Division Totals | 4 projects / 4 agreements | 100,980,474 | 0 | 100,980,479 | 79% |
| [1] SPA Abiquiu. March 1986 contract under PL 97-140. The Alb a pass through for San Juan Chama water being stored in the floc 97-140 was amended by PL 100-522; U.S. Code 43-12B Section prorata basis. | | | | | |
| [3] SPN Coyote Valley. In March 1956, the SCWA paid in full to tl payment in full for storage space and operation and maintenance | | | | | |
| [3] SPN Dry Creek. The contract is for four blocks of storage: 44, payable in 1992, the 2nd in 1995, the 3rd in 2000 and the 4th in 2 present use. If this is not the case and only interest on the princij spaces and costs. | | | | | |
| [4] SPK. Balance of construction costs paid in full on 31 March 20 not separated into the O&M for irrigation and the O&M for M&I wa 310,000 acre-feet that includes 105,000 acre-feet set aside for M& | | | | | |
| [5] Remaining Principal (as applicable) includes, for the present u: interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SWL Agreement Data | | | |
|---|---|--------------------|------|-----------------|----------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Rate (%) |
| Little Rock | | | | | |
| Beaver Lake, AR | Beaver Water District | Original | 1960 | 35.00 | 2.699 |
| | Activate Future | | 1993 | 85.00 | 2.699 |
| | Carroll-Boone Water District | Reallocation | 1977 | 4.74 | 2.699 |
| | Madison Co., Water District | Reallocation | 1992 | 2.50 | 7.125 |
| | Benton/Washington Co. WD | Reallocation | 1996 | 4.00 | 7.750 |
| Blue Mountain Lake, AR | City of Danville | Reallocation | 2005 | 2.00 | 5.125 |
| Bull Shoals Lake, AR | Marion Co. Water District | Reallocation | 1988 | 1.00 | 7.500 |
| | Marion Co. Water District | Reallocation | 2010 | 1.00 | 4.125 |
| | Ozark Mt. R. Public Water Auth. | Reallocation | 2010 | 6.00 | 4.125 |
| Dardanell Lake, AR | AP&L Nuclear One [1] | Surplus | 1970 | 1100.00 | 6.000 |
| DeQueen Lake, AR | Tri-Lakes Water District | Original | 1995 | 22.00 | 3.222 |
| Dierks Lake, AR | Tri-County Water Dist. | Original | 1976 | 13.25 | 3.253 |
| Gillham Lake, AR | Tri-Lakes Water District | Original | 1980 | 0.25 | 2.936 |
| | Activate Future | | 1996 | 41.75 | 2.936 |
| Greers Ferry Lake, AR | City of Herber Springs [2] | Original | 1959 | 0.84 | none |
| | Clinton Water District | Reallocation | 1970 | 1.00 | 2.591 |
| | Community Water System | Reallocation | 1971 | 0.25 | 2.591 |
| | Community WS | Reallocation | 1995 | 3.10 | 7.750 |
| | Red Apple Inn & Country Club | Reallocation | 1996 | 0.05 | 6.750 |
| | Community WS | Reallocation | 1998 | 3.50 | 2.600 |
| | Thunderbird Country Club | Reallocation | 1998 | 0.07 | 6.750 |
| | Tannebaum Country Club | Reallocation | 1998 | 0.07 | 6.750 |
| | Mid Arkansas Water Alliance | Reallocation | 2010 | 15.00 | 4.125 |
| Millwood Lake, AR | SW Arkansas Water Dist. | Original | 1965 | 10.60 | 2.632 |
| | Activate Future | | 1975 | 14.40 | 2.632 |
| | Activate Future | | 1980 | 25.00 | 2.632 |
| | Activate Future | | 1984 | 3.00 | 2.632 |
| | Activate Future | | 1986 | 5.00 | 2.632 |
| | Activate Future | | 1991 | 20.00 | 2.632 |
| | Activate Future | | 1991 | 0.70 | 2.632 |
| | Activate Future | | 2010 | 21.00 | 2.632 |
| | Remaining storage under contract | | | 165.30 | 2.632 |
| Nimrod Lake, AR | City of Plainview | Reallocation | 1973 | 0.10 | 4.012 |
| | City of Plainview | Reallocation | 1995 | 0.23 | 6.125 |
| Norfolk Lake, AR | City of Mountain Home | Reallocation | 1969 | 1.00 | 2.500 |
| | Supplemental | | 1971 | 2.00 | 2.500 |
| 11 projects | 25 agreements + 10 activate future | | | 1,610.70 | |
| <p>[1] Dardanell - No storage, water withdrawn for cooling with much returned to the Arkansas River. R&H Act of 24 July 1946 authorized the project. AP&L850 M W nuclear power plant requires 1,700 cfs for condenser cooling. Annual O&M payment of \$3,300. Unit 2 annual O&M payment of \$7,300.</p> <p>[2] Greers Ferry - City of Herber Springs, storage replaces water supply lost due to construction of project, no cost to the city.</p> <p>[3] Remaining Principal owed (as applicable) includes, for the present storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.</p> | | | | | |

2011 Water Supply Database

| Southwestern Division | | SWL Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
|---|---|---|----------------|--------------------|----------------|--------------------------------------|
| Project | User | WS Agreement Storage Space | | | | |
| | | Present | Future | Not Under Contract | Total | |
| Little Rock | | | | | | |
| Beaver Lake, AR | Beaver Water District | 31,000 | 0 | 0 | 31,000 | |
| | Activate Future | 77,000 | 0 | 0 | 77,000 | |
| | Carroll-Boone Water District | 9,000 | 0 | 0 | 9,000 | |
| | Madison Co., Water District | 3,882 | 0 | 0 | 3,882 | |
| | Benton/Washington Co. WD | 8,113 | 0 | 0 | 8,113 | 128,995 |
| Blue Mountain Lake, AR | City of Danville | 1,550 | 0 | 0 | 1,550 | 1,550 |
| Bull Shoals Lake, AR | Marion Co. Water District | 880 | 0 | 0 | 880 | |
| | Marion Co. Water District | 1,698 | 0 | 0 | 1,698 | |
| | Ozark Mt. R. Public Water Auth. | 10,035 | 0 | 0 | 10,035 | 12,613 |
| Dardanell Lake, AR | AP&L Nuclear One [1] | 0 | 0 | 0 | 0 | 0 |
| DeQueen Lake, AR | Tri-Lakes Water District | 610 | 17,275 | 0 | 17,885 | 17,885 |
| Dierks Lake, AR | Tri-County Water Dist. | 190 | 9,910 | 0 | 10,100 | 10,100 |
| Gillham Lake, AR | Tri-Lakes Water District | 123 | 0 | 0 | 123 | |
| | Activate Future | 200 | 20,277 | 0 | 20,477 | 20,600 |
| Greers Ferry Lake, AR | City of Herber Springs [2] | 1,008 | 0 | 0 | 1,008 | |
| | Clinton Water District | 900 | 0 | 0 | 900 | |
| | Community Water System | 225 | 0 | 0 | 225 | |
| | Community WS | 3,776 | 0 | 0 | 3,776 | |
| | Red Apple Inn & Country Club | 66 | 0 | 0 | 66 | |
| | Community WS | 4,283 | 0 | 0 | 4,283 | |
| | Thunderbird Country Club | 55 | 0 | 0 | 55 | |
| | Tannebaum Country Club | 90 | 0 | 0 | 90 | |
| | Mid Arkansas Water Alliance | 18,730 | 0 | 0 | 18,730 | 29,133 |
| Millwood Lake, AR | SW Arkansas Water Dist. | 6,000 | 0 | 0 | 6,000 | |
| | Activate Future | 8,150 | 0 | 0 | 8,150 | |
| | Activate Future | 14,150 | 0 | 0 | 14,150 | |
| | Activate Future | 1,698 | 0 | 0 | 1,698 | |
| | Activate Future | 2,830 | 0 | 0 | 2,830 | |
| | Activate Future | 11,320 | 0 | 0 | 11,320 | |
| | Activate Future | 396 | 0 | 0 | 396 | |
| | Activate Future | 11,886 | 0 | 0 | 11,886 | |
| | Remaining storage under contract | 0 | 93,570 | 0 | 93,570 | 150,000 |
| Nimrod Lake, AR | City of Plainview | 33 | 0 | 0 | 33 | |
| | City of Plainview | 110 | 0 | 0 | 110 | 143 |
| Norfolk Lake, AR | City of Mountain Home | 800 | 0 | 0 | 800 | |
| | Supplemental | 1,600 | 0 | 0 | 1,600 | 2,400 |
| 11 projects | 25 agreements + 10 activate future | 232,387 | 141,032 | 0 | 373,419 | 373,419 |
| [1] Dardanell - No storage, water withdrawn for cooling with much r authorized the project. AP&L850 M W nuclear power plant requires \$3,300. Unit 2 annual O&M payment of \$7,300. | | | | | | |
| [2] Greers Ferry - City of Herber Springs, storage replaces water s | | | | | | |
| [3] Remaining Principal owed (as applicable) includes, for the pres ten-year interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SWL WS Storage Cost | | | | Project WS Storage Cost (\$) |
|---|---|--------------------------------|-------------------|--------------------|-------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | |
| | | Present | Future | Not Under Contract | Total | |
| Little Rock | | | | | | |
| Beaver Lake, AR | Beaver Water District | 1,431,737 | 0 | 0 | 1,431,737 | |
| | Activate Future | 3,530,805 | 0 | 0 | 3,530,805 | |
| | Carroll-Boone Water District | 742,000 | 0 | 0 | 742,000 | |
| | Madison Co., Water District | 482,991 | 0 | 0 | 482,991 | |
| | Benton/Washington Co. WD | 1,097,137 | 0 | 0 | 1,097,137 | 7,284,670 |
| Blue Mountain Lake, AR | City of Danville | 226,021 | 0 | 0 | 226,021 | 226,021 |
| Bull Shoals Lake, AR | Marion Co. Water District | 84,979 | 0 | 0 | 84,979 | |
| | Marion Co. Water District | 280,861 | 0 | 0 | 280,861 | |
| | Ozark Mt. R. Public Water Auth. | 1,659,777 | 0 | 0 | 1,659,777 | 2,025,617 |
| Dardanell Lake, AR | AP&L Nuclear One [1] | 0 | 0 | 0 | 0 | 0 |
| DeQueen Lake, AR | Tri-Lakes Water District | 293,151 | 11,900,000 | 0 | 12,193,151 | 12,193,151 |
| Dierks Lake, AR | Tri-County Water Dist. | 44,100 | 4,462,747 | 0 | 4,506,847 | 4,506,847 |
| Gillham Lake, AR | Tri-Lakes Water District | 115,412 | 0 | 0 | 115,412 | |
| | Activate Future | 51,792 | 7,743,657 | 0 | 7,795,449 | 7,910,861 |
| Greers Ferry Lake, AR | City of Herber Springs [2] | 0 | 0 | 0 | 0 | |
| | Clinton Water District | 81,000 | 0 | 0 | 81,000 | |
| | Community Water System | 20,260 | 0 | 0 | 20,260 | |
| | Community WS | 457,804 | 0 | 0 | 457,804 | |
| | Red Apple Inn & Country Club | 8,427 | 0 | 0 | 8,427 | |
| | Community WS | 561,174 | 0 | 0 | 561,174 | |
| | Thunderbird Country Club | 6,514 | 0 | 0 | 6,514 | |
| | Tannebaum Country Club | 11,072 | 0 | 0 | 11,072 | |
| | Mid Arkansas Water Alliance | 3,557,788 | 0 | 0 | 3,557,788 | 4,704,039 |
| Millwood Lake, AR | SW Arkansas Water Dist. | 783,760 | 0 | 0 | 783,760 | |
| | Activate Future | 742,908 | 0 | 0 | 742,908 | |
| | Activate Future | 1,348,700 | 0 | 0 | 1,348,700 | |
| | Activate Future | 161,900 | 0 | 0 | 161,900 | |
| | Activate Future | 269,800 | 0 | 0 | 269,800 | |
| | Activate Future | 1,079,100 | 0 | 0 | 1,079,100 | |
| | Activate Future | 37,700 | 0 | 0 | 37,700 | |
| | Activate Future | 2,722,789 | 0 | 0 | 2,722,789 | |
| | Remaining storage under contract | 0 | 20,364,735 | 0 | 20,364,735 | 27,511,392 |
| Nimrod Lake, AR | City of Plainview | 1,218 | 0 | 0 | 1,218 | |
| | City of Plainview | 21,967 | 0 | 0 | 21,967 | 23,185 |
| Norfolk Lake, AR | City of Mountain Home | 65,467 | 0 | 0 | 65,467 | |
| | Supplemental | 130,933 | 0 | 0 | 130,933 | 196,400 |
| 11 projects | 25 agreements + 10 activate future | 22,111,044 | 44,471,139 | 0 | 66,582,183 | 66,582,183 |
| [1] Dardanell - No storage, water withdrawn for cooling with much r authorized the project. AP&L850 M W nuclear power plant requires \$3,300. Unit 2 annual O&M payment of \$7,300. | | | | | | |
| [2] Greers Ferry - City of Herber Springs, storage replaces water s | | | | | | |
| [3] Remaining Principal owed (as applicable) includes, for the pres ten-year interest free period. Price level varies. | | | | | | |

2011 Water Supply Database

| Southwestern Division | | SWL Remaining Principal Owed [3] | | | |
|---|---|----------------------------------|-------------------|-------------------|------------------|
| Project | User | Amount Owed (\$) | | | District Percent |
| | | Present | Future | Total | |
| Little Rock | | | | | |
| Beaver Lake, AR | Beaver Water District | 145,458 | | 145,458 | |
| | Activate Future | 2,625,532 | | 2,625,532 | |
| | Carroll-Boone Water District | 420,549 | | 420,549 | |
| | Madison Co., Water District | 241,434 | | 241,434 | |
| | Benton/Washington Co. WD | 794,399 | | 794,399 | |
| Blue Mountain Lake, AR | City of Danville | 176,779 | | 176,779 | |
| Bull Shoals Lake, AR | Marion Co. Water District | 42,201 | | 42,201 | |
| | Marion Co. Water District | 0 | | 0 | |
| | Ozark Mt. R. Public Water Auth. | 1,292,301 | | 1,292,301 | |
| Dardanell Lake, AR | AP&L Nuclear One [1] | 0 | | 0 | |
| DeQueen Lake, AR | Tri-Lakes Water District | 182,574 | 11,900,000 | 12,082,574 | |
| Dierks Lake, AR | Tri-County Water Dist. | 19,318 | 4,462,747 | 4,482,065 | |
| Gillham Lake, AR | Tri-Lakes Water District | 61,812 | | 61,812 | |
| | Activate Future | 43,887 | 7,743,657 | 7,787,544 | |
| Greers Ferry Lake, AR | City of Herber Springs [2] | 0 | | 0 | |
| | Clinton Water District | 24,692 | | 24,692 | |
| | Community Water System | 0 | | 0 | |
| | Community WS | 0 | | 0 | |
| | Red Apple Inn & Country Club | 5,506 | | 5,506 | |
| | Community WS | 0 | | 0 | |
| | Thunderbird Country Club | 4,606 | | 4,606 | |
| | Tannebaum Country Club | 8,096 | | 8,096 | |
| | Mid Arkansas Water Alliance | 2,398,368 | | 2,398,368 | |
| Millwood Lake, AR | SW Arkansas Water Dist. | 125,558 | | 125,558 | |
| | Activate Future | 183,613 | | 183,613 | |
| | Activate Future | 381,588 | | 381,588 | |
| | Activate Future | 94,434 | | 94,434 | |
| | Activate Future | 172,685 | | 172,685 | |
| | Activate Future | 765,215 | | 765,215 | |
| | Activate Future | 27,344 | | 27,344 | |
| | Activate Future | 2,239,015 | | 2,239,015 | |
| | Remaining storage under contract | 0 | 20,364,735 | 20,364,735 | |
| Nimrod Lake, AR | City of Plainview | 0 | | 0 | |
| | City of Plainview | 14,055 | | 14,055 | |
| Norfolk Lake, AR | City of Mountain Home | 21,425 | | 21,425 | |
| | Supplemental | 58,798 | | 58,798 | |
| 11 projects | 25 agreements + 10 activate future | 12,571,242 | 44,471,139 | 57,042,381 | 86% |
| [1] Dardanell - No storage, water withdrawn for cooling with much r authorized the project. AP&L850 M W nuclear power plant requires \$3,300. Unit 2 annual O&M payment of \$7,300. | | | | | |
| [2] Greers Ferry - City of Herber Springs, storage replaces water su | | | | | |
| [3] Remaining Principal owed (as applicable) includes, for the pres ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SWF WS Agreement Data | | | |
|---|--|-----------------------|------|-------------|-------------------|
| Project Name | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Fort Worth | | | | | |
| Aquilla Lake, TX | Brazos River Authority | Original | 1976 | 0.97 | 5.116 |
| | Activate Future | | | 8.70 | 5.116 |
| Bardwell Lake, TX | Trinity River Authority | Original | 1963 | 2.80 | 2.936 |
| | Activate Future | | 1969 | 2.80 | 2.936 |
| | Activate Future | | 1969 | 2.80 | 2.936 |
| | Activate Future | | 1969 | 2.80 | 2.936 |
| Belton Lake, TX | Brazos River Auth. | Original | 1958 | 35.32 | 2.500 |
| | Activate Future | | 1958 | 66.01 | 2.500 |
| Benbrook Lake, TX [1] | City of Ft. Worth | Surplus Water | 1969 | 0.67 | 2.500 |
| | Benbrook W&SA | Surplus Water | 1972 | 0.67 | 2.500 |
| | Benbrook W&SA | Surplus Water | 1979 | 0.85 | 2.500 |
| | Tarrant Reg. WD | Surplus Water | 1991 | 4.54 | 9.125 |
| Canyon Lake, TX | Guadalupe-Bianco R. Auth. | Original | 1957 | 89.80 | 2.500 |
| Cooper Dam & Jim Chapman Lake, TX | City of Irving | Original | 1968 | 18.46 | 3.253 |
| | Activate Future | | 1968 | 18.46 | 3.253 |
| | N. Texas Muni. Water Dist. | Original | 1968 | 33.77 | 3.253 |
| | Activate Future | | | 6.43 | |
| | Sulphur R. MWD | Original | 1968 | 7.30 | 3.253 |
| | Activate Future | | 1968 | 21.50 | 3.253 |
| Ferrells Bridge Dam, Lake O'The Pines, TX | N.E. Texas MWD | Original | 1955 | 154.99 | Paid in full |
| Granger Dam & Lake, TX | Brazos River Auth. | Original | 1980 | 0.04 | 3.256 |
| | Activate Future | | 1980 | 16.16 | 3.256 |
| Grapevine, TX | City of Grapevine | Original | 1953 | 0.16 | 3.130 |
| | City of Dallas | Original | 1954 | 10.91 | 3.130 |
| | Dallas Co. Park | Original | 1955 | 6.42 | 3.130 |
| Joe Pool Lake, TX | Trinity River Auth. | Original | 1977 | 6.14 | 5.116 |
| | Midlothian Water District / Activate Future #1 | | | 0.14 | 5.683 |
| | Midlothian Water District / Activate Future #2 | | | 0.14 | 5.683 |
| | City of Grand Prairie / Activate Future #3 | | | 0.14 | 5.683 |
| | City of Grand Prairie / Activate Future #4 | | | 1.36 | 5.683 |
| | City of Duncanville / Activate Future #5 | | | 1.00 | 5.683 |
| | Midlotian Water District / Activate Future #6 | | | 0.85 | 5.683 |
| | Midlotian Water District / Activate Future #7 | | | 0.85 | 5.689 |
| | Midlothian Water District / Activate Future #8 | | | 3.58 | 5.683 |
| Lavon Lake, TX | N. Texas MWD | Original | 1967 | 24.21 | 2.500 |
| | N. Texas MWD | Original | 1967 | 29.05 | 3.225 |
| | Supplement | | 1967 | 38.74 | 3.225 |
| Lewisville Dam, TX | City of Dallas | Original | 1980 | 157.00 | 3.000 |
| | City of Denton | Original | 1980 | 8.00 | 2.500 |
| Navarro Mills Lake, TX | Trinity River Auth. | Original | 1959 | 4.65 | 2.670 |
| | Activate Future | | 1959 | 10.85 | 2.670 |

2011 Water Supply Database

| Southwestern Division | | SWF WS Agreement Data | | | |
|-------------------------------------|--|-----------------------|------|-----------------|-------------------|
| Project Name | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| N. San Gabriel D&L (Georgetown), TX | Brazos River Auth. (Original was all Future) | Original | 1981 | 0.00 | 3.253 |
| | Activate Future (Seg #1) | | | 0.04 | 3.253 |
| | Activate Future (Seg #2) | | | 0.16 | 3.253 |
| | Activate Future (Seg #3) | | | 0.53 | 3.253 |
| | Activate Future (Seg #4) | | | 1.00 | 3.253 |
| | Activate Future (Seg #5) | | | 2.00 | 3.253 |
| | Activate Future (Seg #6) | | | 0.36 | 3.253 |
| | Activate Future (Seg #7) | | | 0.50 | 3.253 |
| | Activate Future (Seg #8) | | | 1.06 | 3.253 |
| | Activate Future (Seg. #9) | | | 0.89 | 3.253 |
| | Activate Future (Seg #10) | | | 1.74 | 3.253 |
| | Activate Future (Seg #11) | | | 0.38 | 3.253 |
| | Activate Future (Seg #12) | | | 1.64 | 3.253 |
| O C Fisher Dam & Lake, TX | Upper CO River Auth. | Original | 1999 | 3.62 | Paid in full |
| Proctor Lake, TX | Brazos River Auth. | Original | 1960 | 2.78 | 5.166 |
| | [2] Activate Future | | | 11.12 | 6.089 |
| Ray Roberts Lake, TX | City of Dallas | Original | 1980 | 83.22 | 7.210 |
| | [3] City of Denton | Original | 1980 | 29.24 | 7.210 |
| Sam Rayburn Dam & Reservoir, TX | City of Lufkin | Original | 1969 | 16.90 | 2.591 |
| | Activate Future | | | 38.70 | 2.591 |
| Somerville Lake, TX | Brazos River Auth. | Original | 1962 | 1.81 | 2.742 |
| | Activate Future | | | 34.38 | 2.742 |
| Stillhouse Hollow Dam, TX | Brazos River Auth. | Original | 1962 | 8.25 | 2.742 |
| | Activate Future | | | 54.94 | 2.742 |
| Waco Lake, TX | Brazos River Auth | Original | 1958 | 56.83 | 7.229 |
| | [4] City of Waco | Original | 1958 | 8.12 | 14.607 |
| | Brazos River Auth. | Reallocation | 1984 | 29.65 | 2.087 |
| Whitney Lake, TX | Brazos River Auth. | Original | 1982 | 17.64 | 3.216 |
| Wright Patman Dam & Lake, TX | City of Texarkana Cont # eng 2003 | Original | 1954 | 13.00 | 3.620 |
| | City of Texarkana Cont # 0019 | Conduit | 1963 | 0.00 | 3.620 |
| | City of Texarkana Cont. # C-0019 | surplus | 1968 | 50.00 | 3.620 |
| 23 Projects | 37 agreements + 27 activate future | | | 1,270.53 | |

[1] SWF, Benbrook: All contracts are surplus. Storage is from navigation pool and will be used by M&I until needed for navigation.

[2] SWF, Proctor: User has not activated storage but is paying P&I.

[3] SWF, Ray Roberts: On 6/18/98, city \$26,828,840 in principal and \$1,062,312 in interest. Additional payments not due at this time.

[4] SWF, Waco, City of Waco. The City transferred existing Lake Waco to the Government in return for use of the storage in the project at no cost.

[5] Remaining Principal owed (as applicable) includes, for the present use storage interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SFW WS Storage Space | | | | |
|---|--|--|--------|--------------------|---------|--------------------------------------|
| Project Name | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| Fort Worth | | | | | | |
| Aquilla Lake, TX | Brazos River Authority | 3,360 | 0 | 0 | 3,360 | |
| | Activate Future | 30,240 | 0 | 0 | 30,240 | 33,600 |
| Bardwell Lake, TX | Trinity River Authority | 10,700 | 0 | 0 | 10,700 | |
| | Activate Future | 10,700 | 0 | 0 | 10,700 | |
| | Activate Future | 10,700 | 0 | 0 | 10,700 | |
| | Activate Future | 10,700 | 0 | 0 | 10,700 | 42,800 |
| Belton Lake, TX | Brazos River Auth. | 125,700 | 0 | 0 | 125,700 | |
| | Activate Future | 235,000 | 0 | 0 | 235,000 | 360,700 |
| Benbrook Lake, TX | [1] City of Ft. Worth | 7,250 | 0 | 0 | 7,250 | |
| | Benbrook W&SA | 7,250 | 0 | 0 | 7,250 | |
| | Benbrook W&SA | 9,208 | 0 | 0 | 9,208 | |
| | Tarrant Reg. WD | 48,792 | 0 | 0 | 48,792 | 72,500 |
| Canyon Lake, TX | Guadalupe-Bianco R. Auth. | 366,400 | 0 | 0 | 366,400 | 366,400 |
| Cooper Dam & Jim Chapman Lake, TX | City of Irving | 46,200 | 8,225 | 0 | 54,425 | |
| | Activate Future | 46,200 | 0 | 0 | 46,200 | |
| | N. Texas Muni. Water Dist. | 84,525 | 0 | 0 | 84,525 | |
| | Activate Future | 16,100 | 0 | 0 | 16,100 | |
| | Sulphur R. MWD | 17,750 | 0 | 0 | 17,750 | |
| | Activate Future | 54,000 | 0 | 0 | 54,000 | 273,000 |
| Ferrells Bridge Dam, Lake O'The Pines, TX | N.E. Texas MWD | 250,000 | 0 | 0 | 250,000 | 250,000 |
| Granger Dam & Lake, TX | Brazos River Auth. | 102 | 0 | 0 | 102 | |
| | Activate Future | 37,798 | 0 | 0 | 37,798 | 37,900 |
| Grapevine, TX | City of Grapevine | 1,250 | 0 | 0 | 1,250 | |
| | City of Dallas | 85,000 | 0 | 0 | 85,000 | |
| | Dallas Co. Park | 50,000 | 0 | 0 | 50,000 | 136,250 |
| Joe Pool Lake, TX | Trinity River Auth. | 0 | 61,746 | 0 | 61,746 | |
| | Midlothian Water District / Activate Future #1 | 1,429 | 0 | 0 | 1,429 | |
| | Midlothian Water District / Activate Future #2 | 1,429 | 0 | 0 | 1,429 | |
| | City of Grand Prairie / Activate Future #3 | 1,429 | 0 | 0 | 1,429 | |
| | City of Grand Prairie / Activate Future #4 | 13,661 | 0 | 0 | 13,661 | |
| | City of Duncanville / Activate Future #5 | 10,060 | 0 | 0 | 10,060 | |
| | Midlotian Water District / Activate Future #6 | 8,574 | 0 | 0 | 8,574 | |
| | Midlotian Water District / Activate Future #7 | 8,575 | 0 | 0 | 8,575 | |
| | Midlothian Water District / Activate Future #8 | 35,997 | 0 | 0 | 35,997 | 142,900 |
| Lavon Lake, TX | N. Texas MWD | 100,000 | 0 | 0 | 100,000 | |
| | N. Texas MWD | 120,000 | 0 | 0 | 120,000 | |
| | Supplement | 160,000 | 0 | 0 | 160,000 | 380,000 |
| Lewisville Dam, TX | City of Dallas | 310,000 | 0 | 0 | 310,000 | |
| | City of Denton | 21,000 | 0 | 0 | 21,000 | 331,000 |
| Navarro Mills Lake, TX | Trinity River Auth. | 15,960 | 0 | 0 | 15,960 | |
| | Activate Future | 37,240 | 0 | 0 | 37,240 | 53,200 |

2011 Water Supply Database

| Southwestern Division | | SFW WS Storage Space | | | | Project WS Storage Space (acre-feet) |
|--|--|--|----------------|--------------------|------------------|--------------------------------------|
| Project Name | User | WS Agreement Storage Space (acre-feet) | | | Total | |
| | | Present | Future | Not Under Contract | | |
| N. San Gabriel D&L (Georgetown), TX | Brazos River Auth. (Original was all Future) | 0 | 0 | 0 | 0 | |
| | Activate Future (Seg #1) | 101 | 0 | 0 | 101 | |
| | Activate Future (Seg #2) | 466 | 0 | 0 | 466 | |
| | Activate Future (Seg #3) | 1,559 | 0 | 0 | 1,559 | |
| | Activate Future (Seg #4) | 2,835 | 0 | 0 | 2,835 | |
| | Activate Future (Seg #5) | 5,670 | 0 | 0 | 5,670 | |
| | Activate Future (Seg #6) | 1,000 | 0 | 0 | 1,000 | |
| | Activate Future (Seg #7) | 1,416 | 0 | 0 | 1,416 | |
| | Activate Future (Seg #8) | 3,000 | 0 | 0 | 3,000 | |
| | Activate Future (Seg. #9) | 2,523 | 0 | 0 | 2,523 | |
| | Activate Future (Seg #10) | 4,905 | 0 | 0 | 4,905 | |
| | Activate Future (Seg #11) | 1,084 | 0 | 0 | 1,084 | |
| | Activate Future (Seg #12) | 4,641 | 0 | 0 | 4,641 | 29,200 |
| O C Fisher Dam & Lake, TX | Upper CO River Auth. | 78,793 | 0 | 0 | 78,793 | 78,793 |
| Proctor Lake, TX | Brazos River Auth. | 6,280 | 0 | 0 | 6,280 | |
| | [2] Activate Future | 25,120 | 0 | 0 | 25,120 | 31,400 |
| Ray Roberts Lake, TX | City of Dallas | 591,700 | 0 | 0 | 591,700 | |
| | [3] City of Denton | 108,100 | 99,800 | 0 | 207,900 | 799,600 |
| Sam Rayburn Dam & Reservoir, TX | City of Lufkin | 18,000 | 0 | 0 | 18,000 | |
| | Activate Future | 25,000 | 0 | 0 | 25,000 | 43,000 |
| Somerville Lake, TX | Brazos River Auth. | 7,200 | 0 | 0 | 7,200 | |
| | Activate Future | 136,700 | 0 | 0 | 136,700 | 143,900 |
| Stillhouse Hollow Dam, TX | Brazos River Auth. | 26,740 | 0 | 0 | 26,740 | |
| | Activate Future | 178,160 | 0 | 0 | 178,160 | 204,900 |
| Waco Lake, TX | Brazos River Auth | 91,074 | 0 | 0 | 91,074 | |
| | [4] City of Waco | 13,026 | 0 | 0 | 13,026 | |
| | Brazos River Auth. | 47,526 | 0 | 0 | 47,526 | 151,626 |
| Whitney Lake, TX | Brazos River Auth. | 50,000 | 0 | 0 | 50,000 | 50,000 |
| Wright Patman Dam & Lake, TX | City of Texarkana Cont # eng 2003 | 13,400 | 0 | 0 | 13,400 | |
| | City of Texarkana Cont # 0019 | 0 | 0 | 0 | 0 | |
| | City of Texarkana Cont. # C-0019 | 76,663 | 0 | 0 | 76,663 | 90,063 |
| 23 Projects | 37 agreements + 27 activate future | 3,932,961 | 169,771 | 0 | 4,102,732 | 4,102,732 |
| [1] SWF, Benbrook: All contracts are surplus. Storage is from navi | | | | | | |
| [2] SWF, Proctor: User has not activated storage but is paying P& | | | | | | |
| [3] SWF, Ray Roberts: On 6/18/98, city \$26,828,840 in principal ar time. | | | | | | |
| [4] SWF, Waco, City of Waco. The City transferred existing Lake V project at no cost. | | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the pres the ten-year interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SWF WS Storage Cost | | | | |
|---|--|--------------------------------|-----------|--------------------|------------|------------------------------|
| Project Name | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Fort Worth | | | | | | |
| Aquilla Lake, TX | Brazos River Authority | 1,119,445 | 0 | 0 | 1,119,445 | |
| | Activate Future | 10,754,007 | 0 | 0 | 10,754,007 | 11,873,452 |
| Bardwell Lake, TX | Trinity River Authority | 822,647 | 0 | 0 | 822,647 | |
| | Activate Future | 822,647 | 0 | 0 | 822,647 | |
| | Activate Future | 822,647 | 0 | 0 | 822,647 | |
| | Activate Future | 822,647 | 0 | 0 | 822,647 | 3,290,588 |
| Belton Lake, TX | Brazos River Auth. | 1,524,091 | 0 | 0 | 1,524,091 | |
| | Activate Future | 3,600,909 | 0 | 0 | 3,600,909 | 5,125,000 |
| Benbrook Lake, TX | [1] City of Ft. Worth | 346,000 | 0 | 0 | 346,000 | |
| | Benbrook W&SA | 310,000 | 0 | 0 | 310,000 | |
| | Benbrook W&SA | 393,800 | 0 | 0 | 393,800 | |
| | Tarrant Reg. WD | 2,086,600 | 0 | 0 | 2,086,600 | 3,136,400 |
| Canyon Lake, TX | Guadalupe-Bianco R. Auth. | 8,978,861 | 0 | 0 | 8,978,861 | 8,978,861 |
| Cooper Dam & Jim Chapman Lake, TX | City of Irving | 4,277,484 | 702,669 | 0 | 4,980,153 | |
| | Activate Future | 4,277,484 | 0 | 0 | 4,277,484 | |
| | N. Texas Muni. Water Dist. | 16,860,995 | 0 | 0 | 16,860,995 | |
| | Activate Future | 3,211,618 | 0 | 0 | 3,211,618 | |
| | Sulphur R. MWD | 1,642,450 | 0 | 0 | 1,642,450 | |
| | Activate Future | 4,941,183 | 0 | 0 | 4,941,183 | 35,913,883 |
| Ferrells Bridge Dam, Lake O'The Pines, TX | N.E. Texas MWD | 3,200,000 | 0 | 0 | 3,200,000 | 3,200,000 |
| Granger Dam & Lake, TX | Brazos River Auth. | 39,345 | 0 | 0 | 39,345 | |
| | Activate Future | 14,579,855 | 0 | 0 | 14,579,855 | 14,619,200 |
| Grapevine, TX | City of Grapevine | 22,654 | 0 | 0 | 22,654 | |
| | City of Dallas | 1,433,026 | 0 | 0 | 1,433,026 | |
| | Dallas Co. Park | 683,547 | 0 | 0 | 683,547 | 2,139,227 |
| Joe Pool Lake, TX | Trinity River Auth. | 0 | 7,974,062 | | 7,974,062 | |
| | Midlothian Water District / Activate Future #1 | 608,286 | 0 | 0 | 608,286 | |
| | Midlothian Water District / Activate Future #2 | 625,793 | 0 | 0 | 625,793 | |
| | City of Grand Prairie / Activate Future #3 | 608,286 | 0 | 0 | 608,286 | |
| | City of Grand Prairie / Activate Future #4 | 5,970,414 | 0 | 0 | 5,970,414 | |
| | City of Duncanville / Activate Future #5 | 4,527,350 | 0 | 0 | 4,527,350 | |
| | Midlotian Water District / Activate Future #6 | 3,747,121 | 0 | 0 | 3,747,121 | |
| | Midlotian Water District / Activate Future #7 | 3,974,453 | 0 | 0 | 3,974,453 | |
| | Midlothian Water District / Activate Future #8 | 19,114,235 | 0 | 0 | 19,114,235 | 47,150,000 |
| Lavon Lake, TX | N. Texas MWD | 1,256,300 | 0 | 0 | 1,256,300 | |
| | N. Texas MWD | 12,147,801 | 0 | 0 | 12,147,801 | |
| | Supplement | 16,185,427 | 0 | 0 | 16,185,427 | 29,589,528 |
| Lewisville Dam, TX | City of Dallas | 3,676,661 | 0 | 0 | 3,676,661 | |
| | City of Denton | 250,064 | 0 | 0 | 250,064 | 3,926,725 |
| Navarro Mills Lake, TX | Trinity River Auth. | 652,827 | 0 | 0 | 652,827 | |
| | Activate Future | 1,523,262 | 0 | 0 | 1,523,262 | 2,176,089 |

2011 Water Supply Database

| Southwestern Division | | SWF WS Storage Cost | | | | |
|--|--|--------------------------------|-------------------|--------------------|--------------------|------------------------------|
| Project Name | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| N. San Gabriel D&L (Georgetown), TX | Brazos River Auth. (Original was all Future) | 0 | 283,839 | 0 | 283,839 | |
| | Activate Future (Seg #1) | 20,807 | 0 | 0 | 20,807 | |
| | Activate Future (Seg #2) | 95,978 | 0 | 0 | 95,978 | |
| | Activate Future (Seg #3) | 321,131 | 0 | 0 | 321,131 | |
| | Activate Future (Seg #4) | 583,870 | 0 | 0 | 583,870 | |
| | Activate Future (Seg #5) | 1,167,680 | 0 | 0 | 1,167,680 | |
| | Activate Future (Seg #6) | 31,494 | 0 | 0 | 31,494 | |
| | Activate Future (Seg #7) | 291,664 | 0 | 0 | 291,664 | |
| | Activate Future (Seg #8) | 508,131 | 0 | 0 | 508,131 | |
| | Activate Future (Seg. #9) | 519,738 | 0 | 0 | 519,738 | |
| | Activate Future (Seg #10) | 1,010,430 | 0 | 0 | 1,010,430 | |
| | Activate Future (Seg #11) | 223,304 | 0 | 0 | 223,304 | |
| | Activate Future (Seg #12) | 955,634 | 0 | 0 | 955,634 | 6,013,700 |
| O C Fisher Dam & Lake, TX | Upper CO River Auth. | 860,437 | 0 | 0 | 860,437 | 860,437 |
| Proctor Lake, TX | Brazos River Auth. | 262,765 | 0 | 0 | 262,765 | |
| | [2] Activate Future | 1,051,062 | 0 | 0 | 1,051,062 | 1,313,827 |
| Ray Roberts Lake, TX | City of Dallas | 165,342,765 | 0 | 0 | 165,342,765 | |
| | [3] City of Denton | 31,355,656 | 28,954,065 | 0 | 60,309,721 | 225,652,486 |
| Sam Rayburn Dam & Reservoir, TX | City of Lufkin | 220,000 | 0 | 0 | 220,000 | |
| | Activate Future | 305,600 | 0 | 0 | 305,600 | 525,600 |
| Somerville Lake, TX | Brazos River Auth. | 360,113 | 0 | 0 | 360,113 | |
| | Activate Future | 6,837,339 | 0 | 0 | 6,837,339 | 7,197,452 |
| Stillhouse Hollow Dam, TX | Brazos River Auth. | 911,229 | 0 | 0 | 911,229 | |
| | Activate Future | 6,215,435 | 0 | 0 | 6,215,435 | 7,126,664 |
| Waco Lake, TX | Brazos River Auth | 39,600,000 | 0 | 0 | 39,600,000 | |
| | [4] City of Waco | 0 | 0 | 0 | 0 | |
| | Brazos River Auth. | 15,242,000 | 0 | 0 | 15,242,000 | 54,842,000 |
| Whitney Lake, TX | Brazos River Auth. | 1,181,440 | 0 | 0 | 1,181,440 | 1,181,440 |
| Wright Patman Dam & Lake, TX | City of Texarkana Cont # eng 2003 | 350,000 | 0 | 0 | 350,000 | |
| | City of Texarkana Cont # 0019 | 1,437,647 | 0 | 0 | 1,437,647 | |
| | City of Texarkana Cont. # C-0019 | 1,437,647 | 0 | 0 | 1,437,647 | 3,225,294 |
| 23 Projects | 37 agreements + 27 activate future | 441,143,218 | 37,914,635 | 0 | 479,057,853 | 479,057,853 |
| [1] SWF, Benbrook: All contracts are surplus. Storage is from navi | | | | | | |
| [2] SWF, Proctor: User has not activated storage but is paying P& | | | | | | |
| [3] SWF, Ray Roberts: On 6/18/98, city \$26,828,840 in principal ar time. | | | | | | |
| [4] SWF, Waco, City of Waco. The City transferred existing Lake V project at no cost. | | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the pres the ten-year interest free period. Price level varies. | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwestern Division | | SWF Remaining Principal Owed [5] | | | |
|---|--|----------------------------------|---------|------------|------------------|
| Project Name | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District Percent |
| Fort Worth | | | | | |
| Aquilla Lake, TX | Brazos River Authority | 782,673 | 0 | 782,673 | |
| | Activate Future | 8,173,577 | 0 | 8,173,577 | |
| Bardwell Lake, TX | Trinity River Authority | 120,718 | 0 | 120,718 | |
| | Activate Future | 254,630 | 0 | 254,630 | |
| | Activate Future | 319,193 | 0 | 319,193 | |
| | Activate Future | 408,687 | 0 | 408,687 | |
| Belton Lake, TX | Brazos River Auth. | 0 | 0 | 0 | |
| | Activate Future | 1,213,440 | 0 | 1,213,440 | |
| Benbrook Lake, TX [1] | City of Ft. Worth | 94,866 | 0 | 94,866 | |
| | Benbrook W&SA | 101,462 | 0 | 101,462 | |
| | Benbrook W&SA | 211,325 | 0 | 211,325 | |
| | Tarrant Reg. WD | 0 | 0 | 0 | |
| Canyon Lake, TX | Guadalupe-Bianco R. Auth. | 3,824,486 | 0 | 3,824,486 | |
| Cooper Dam & Jim Chapman Lake, TX | City of Irving | 8,099,912 | 702,669 | 8,802,581 | |
| | Activate Future | 10,492,638 | | 10,492,638 | |
| | N. Texas Muni. Water Dist. | 15,898,786 | 0 | 15,898,786 | |
| | Activate Future | 3,006,344 | 0 | 3,006,344 | |
| | Sulphur R. MWD | 3,049,298 | 0 | 3,049,298 | |
| | Activate Future | 10,285,819 | 0 | 10,285,819 | |
| Ferrells Bridge Dam, Lake O'The Pines, TX | N.E. Texas MWD | 0 | 0 | 0 | |
| Granger Dam & Lake, TX | Brazos River Auth. | 30,896 | 0 | 30,896 | |
| | Activate Future | 11,558,808 | 0 | 11,558,808 | |
| Grapevine, TX | City of Grapevine | 0 | 0 | 0 | |
| | City of Dallas | 0 | 0 | 0 | |
| | Dallas Co. Park | 0 | 0 | 0 | |
| Joe Pool Lake, TX | Trinity River Auth. | 16,457 | 25,122 | 41,579 | |
| | Midlothian Water District / Activate Future #1 | 0 | 0 | 0 | |
| | Midlothian Water District / Activate Future #2 | 0 | 0 | 0 | |
| | City of Grand Prairie / Activate Future #3 | 503,693 | 0 | 503,693 | |
| | City of Grand Prairie / Activate Future #4 | 5,033,910 | 0 | 5,033,910 | |
| | City of Duncanville / Activate Future #5 | 0 | 0 | 0 | |
| | Midlotian Water District / Activate Future #6 | 0 | 0 | 0 | |
| | Midlotian Water District / Activate Future #7 | 0 | 0 | 0 | |
| | Midlothian Water District / Activate Future #8 | 0 | 0 | 0 | |
| Lavon Lake, TX | N. Texas MWD | 0 | 0 | 0 | |
| | N. Texas MWD | 7,873,717 | 0 | 7,873,717 | |
| | Supplement | 9,826,493 | 0 | 9,826,493 | |
| Lewisville Dam, TX | City of Dallas | 0 | 0 | 0 | |
| | City of Denton | 0 | 0 | 0 | |
| Navarro Mills Lake, TX | Trinity River Auth. | 0 | 0 | 0 | |
| | Activate Future | 0 | 0 | 0 | |

2011 Water Supply Database

| Southwestern Division | | SWF Remaining Principal Owed [5] | | | |
|--|--|----------------------------------|-------------------|--------------------|------------------|
| Project Name | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District Percent |
| N. San Gabriel D&L (Georgetown), TX | Brazos River Auth. (Original was all Future) | 0 | 283,839 | 283,839 | |
| | Activate Future (Seg #1) | 15,329 | 0 | 15,329 | |
| | Activate Future (Seg #2) | 74,987 | 0 | 74,987 | |
| | Activate Future (Seg #3) | 248,495 | 0 | 248,495 | |
| | Activate Future (Seg #4) | 543,299 | 0 | 543,299 | |
| | Activate Future (Seg #5) | 960,960 | 0 | 960,960 | |
| | Activate Future (Seg #6) | 25,058 | 0 | 25,058 | |
| | Activate Future (Seg #7) | 26,744 | 0 | 26,744 | |
| | Activate Future (Seg #8) | 413,091 | 0 | 413,091 | |
| | Activate Future (Seg. #9) | 0 | 0 | 0 | |
| | Activate Future (Seg #10) | 0 | 0 | 0 | |
| | Activate Future (Seg #11) | 0 | 0 | 0 | |
| | Activate Future (Seg #12) | 0 | 0 | 0 | |
| O C Fisher Dam & Lake, TX | Upper CO River Auth. | 0 | 0 | 0 | |
| Proctor Lake, TX | Brazos River Auth. | 22,409 | 0 | 22,409 | |
| | [2] Activate Future | 336,768 | 0 | 336,768 | |
| Ray Roberts Lake, TX | City of Dallas | 0 | 0 | 0 | |
| | [3] City of Denton | 2,907,913 | 28,954,065 | 31,861,978 | |
| Sam Rayburn Dam & Reservoir, TX | City of Lufkin | 54,988 | 0 | 54,988 | |
| | Activate Future | 35,899 | 0 | 35,899 | |
| Somerville Lake, TX | Brazos River Auth. | 123,074 | 0 | 123,074 | |
| | Activate Future | 3,239,139 | 0 | 3,239,139 | |
| Stillhouse Hollow Dam, TX | Brazos River Auth. | 184,289 | 0 | 184,289 | |
| | Activate Future | 1,376,511 | 0 | 1,376,511 | |
| Waco Lake, TX | Brazos River Auth | 561,369 | 0 | 561,369 | |
| | [4] City of Waco | 0 | 0 | 0 | |
| | Brazos River Auth. | 0 | 0 | 0 | |
| Whitney Lake, TX | Brazos River Auth. | 0 | 0 | 0 | |
| Wright Patman Dam & Lake, TX | City of Texarkana Cont # eng 2003 | 0 | 0 | 0 | |
| | City of Texarkana Cont # 0019 | 324,631 | 0 | 324,631 | |
| | City of Texarkana Cont. # C-0019 | 0 | 0 | 0 | |
| 23 Projects | 37 agreements + 27 activate future | 112,656,781 | 29,965,695 | 142,622,476 | 30% |
| [1] SWF, Benbrook: All contracts are surplus. Storage is from navi | | | | | |
| [2] SWF, Proctor: User has not activated storage but is paying P& | | | | | |
| [3] SWF, Ray Roberts: On 6/18/98, city \$26,828,840 in principal ar time. | | | | | |
| [4] SWF, Waco, City of Waco. The City transferred existing Lake V project at no cost. | | | | | |
| [5] Remaining Principal owed (as applicable) includes, for the pres the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Agreement Data | | | |
|--------------------------------------|--|-----------------------|-----------|---------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| Arcadia Lake, OK | Edmond PWA | Original | 1979 | 11.00 | 7.210 |
| Birch | OKWRB | Assurance | NA | 3.00 | 3.469 |
| | OKWRB | Conduit | NA | NA | 3.469 |
| Broken Bow Lake, OK | OK Tourism & Recreation (includes conduit cost of \$59) | Original | 1988 | 0.07 | 2.742 |
| | Broken Bow PWA (includes conduit cost of \$8,908) | Original | 1990 | 9.52 | |
| | Unknown | Assurance | NA | 165.34 | |
| Canton Lake, OK | OK City Muni. Imp. Auth | Original | 1991 | 4.60 | 2.500 |
| Copan Lake, OK | Copan PWA | Original | 1981 | 2.00 | 3.502 |
| | Unknown | Assurance | NA | NA | NA |
| Council Grove, KA | KS Water Res. Board | Original | 1976 | 6.00 | 2.699 |
| | State of KS [1] | Reallocation | 1996 | 0.70 | 2.699 |
| Denison Dam, L. Texoma, OK & TX | City of Denison, TX | Reallocation | 1953 | 21.30 | 2.500 |
| | TU Electric | Reallocation | 1961 | 16.40 | 2.500 |
| | Red River Auth. of TX [2] | Reallocation | 1969 | 0.45 | 2.500 |
| | Red River Auth. of TX | Reallocation | 1983 | 2.05 | ? |
| | N. Texas MWD | Reallocation | 1985 | 84.10 | ? |
| | Buncombe Creek View Ad | Reallocation | 1992 | 0.00 | ? |
| | Greater Texoma Utility Auth. | Reallocation | 1992 | 5.50 | ? |
| | Greater Texoma Utility Auth. | Reallocation | 1997 | 5.50 | ? |
| | Commissioners of Land Office, OK | Reallocation | 2005 | 0.29 | ? |
| | Greater Texoma Utility Auth. | Reallocation | 2005 | 11.60 | 5.125 |
| | North Texas Municipal Water District | Reallocation | 2010 | 91.67 | 4.125 |
| | Greater Texoma Utility Auth. | Reallocation | 2010 | 45.83 | 4.125 |
| | Greater Texoma Utility Auth. | Reallocation | 2011 | 1.52 | 4.250 |
| El Dorado Lake, KA | City of El Dorado (includes conduit cost of \$838,200) [3] | Original | 1972 | 6.19 | 3.502 |
| | Activate Future | | 1972 | 1.81 | |
| | Activate Future | | 2003 | 2.99 | |
| Elk City, KA | State Of KS (includes conduit cost of \$68,000) | Original | 1976 | 10.00 | 2.742 |
| | State of KS [1] | Reallocation | 1996 | 2.20 | 2.742 |
| Eufaula Lake, OK | Pittsburg Co. Water Co. | Original | 1968 | 0.76 | 2.591 |
| | Haskell County Water Co. | Original | 1968 | 0.35 | |
| | RWD #1, Haskell Co | Original | 1969 | 0.36 | |
| | RWD #4, Pittsburg Co. | Original | 1969 | 0.04 | |
| | RWD #3, Muskogee Co. | Original | 1969 | 0.01 | |
| | Porum PWA | Original | 1969 | 0.11 | |
| | Sherwood Forrest Co. | Original | 1971 | 0.05 | |
| | Lakeside Water Co., Inc | Original | 1971 | 0.02 | |
| | RWD #3, Haskell County | Original | 1974 | 0.02 | |
| | Krebs Utility Auth. | Original | 1980 | 0.50 | |
| | RWD #8 McIntosh Co.#8 | Original | 1981 | 0.29 | |
| | Activate Future | | 1981 | 1.07 | |
| | Porum PWA | Original | 1981 | 3.57 | |
| | Pittsburg Co. PWA | Original | 1981 | 0.27 | |
| | Activate Future | | 1981 | 0.17 | |
| | Longtown RWD & SD #1 (includes conduit cost of \$475) | Original | 1985 | 0.89 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Agreement Data | | | |
|--------------------------------------|---|-----------------------|-----------|--------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| | Public Service Co. of OK (includes conduit cost of \$49) | Original | 1985 | 0.09 | |
| | McAlester PWA (includes conduit cost of \$3,1620) | Original | 1987 | 5.58 | |
| | Bristow Point Property Owners Assoc. (includes conduit cost of \$7) | Original | 1989 | 0.01 | |
| | Warner Utilities Auth. (includes conduit cost of \$118) | Original | 1989 | 0.20 | |
| | Twin Rivers Estates, Inc. (includes conduit cost to f\$13) | Original | 1990 | 0.01 | |
| | Bridgeport Dunes Condo Assoc. (includes conduit cost of \$3) | Original | 1990 | 0.01 | |
| | RWD #14, Pittsburg Co. (includes conduit cost of \$176) | Original | 1991 | 0.29 | |
| | Duchess Creek Mobile Park (includes conduit cost of \$2) | Original | 1992 | 0.00 | |
| | Warner Utilities Auth. (includes conduit cost of \$104) | Original | 1996 | 0.42 | |
| | RWD No. 2, Onapa (includes conduit cost of \$658) | Original | 1998 | 0.89 | |
| | Juniper Water Co. (includes conduit cost of \$8,7170) | Original | 2001 | 10.66 | |
| | RWD #3 Muskogee Co. (includes conduit cost of \$132) | Original | 2009 | 0.13 | |
| | City of Checotah 1 (includes conduit cost of \$1,400) | Original | 2009 | 1.43 | |
| | RWD #3, Muskogee Co. | Original | 2009 | 0.05 | |
| | B&B Gas Wells | Original | 2009 | 0.01 | |
| | OK Tourist & Rec. Dept, OK | Original | 2010 | 0.01 | |
| | OK Tourist & Rec. Dept, OK | Original | 2010 | 0.06 | |
| | City of Eufaula | Original | 2010 | 0.50 | 28.830 |
| | OWRB | Assurance | NA | 24.74 | NA |
| Heyburn, OK | Creek Co. RWD #1 (includes conduit cost of \$51,250) | Original | 1964 | 0.26 | 2.500 |
| | Creek Co. RWD #1 | Original | 1968 | 0.51 | |
| | Creek Co. RWD #1 | Original | 1978 | 0.93 | |
| Hugo Lake, OK | City of Hugo (includes \$32,800 for conduit present use) | Original | 1974 | 24.01 | 3.225 |
| | Antlers Public Works Auth. | Original | 1975 | 1.73 | |
| | Western Farmers Elect. Coop | Original | 1980 | 7.43 | |
| | Activate Future | | 2006 | 21.14 | |
| | RWD #3, Pushmataha Co. | Original | 1994 | 0.62 | 54.930 |
| | OWRB | Assurance | NA | 2.68 | NA |
| Hula, OK | City of Bartlesville (includes conduit cost of \$5,280) | Original | 1957 | 9.64 | 2.500 |
| | Activate Future | | 1970 | 1.34 | |
| | Hula Water District | Original | 1970 | 0.06 | |
| | City of Bartlesville | Original | 1982 | 1.32 | |
| John Redmond, KA | KS Water Res. Board (includes conduit cost of \$10,000) | Original | 1975 | 53.70 | 2.670 |
| | State of KS [1] | Reallocation | 1996 | 2.50 | 2.670 |
| Kaw Lake, OK | Kaw Reservoir Auth. | Conduit | 1980 | 0.00 | 3.222 |
| | Stillwater Utility Authority | Original | 1981 | 50.28 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Agreement Data | | | |
|--------------------------------------|--|-----------------------|-----------|--------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| | Otoe-Missouria | Original | 1993 | 0.17 | |
| | OK Gas & Electric | Original | 2007 | 8.90 | |
| | Activate Future | | 2007 | 8.24 | |
| | Activate Future | | 2007 | 21.22 | |
| | Kaw Nation | Interim Irrigation | 2003 | 0.01 | 0.000 |
| | Not Under Contract | Assurance | NA | 78.25 | NA |
| Keystone Lake, OK | Public Service Co. of OK | Original | 1971 | 7.00 | 2.591 |
| | Activate Future | | 1971 | 5.50 | |
| | OWRB (includes conduit cost of \$28,300) | Assurance | NA | 2.00 | NA |
| Marion, KA | State of Kansas | Original | 1976 | 6.94 | 3.046 |
| | Stage of Kansas [1] | Reallocation | 1996 | 2.23 | |
| Oologah | Town of Chelsea | Original | 1982 | 1.05 | 3.225 |
| | Tulsa Metro Water Authority | Conduit | 1985 | 0.00 | 2.544 |
| | Tulsa Metro Water Authority | Original | 1985 | NA | 2.544 |
| | Supplemented Space 1 | | 1985 | 17.10 | 3.225 |
| | Supplemented Space 2 | | 1985 | 2.92 | 3.225 |
| | Supplemented Space 3 | | 1985 | 2.00 | 3.225 |
| | Supplemented Space 4 | | 1985 | 88.40 | 3.225 |
| | City of Collinsville | Original | 1985 | 0.22 | 2.500 |
| | Supplemented Space 2 | | 1985 | 2.77 | 3.225 |
| | Public Service Co. of OK | Original | 1985 | 2.25 | 2.544 |
| | Supplemented Space 2 | | 1985 | 7.19 | 3.225 |
| | RWD #4, Rogers Co. | Original | 1985 | 0.13 | 2.544 |
| | Supplemented Space 2 | | 1985 | 0.58 | 3.225 |
| | RWS #3 Rogers Co. | Original | 1985 | 0.27 | 2.544 |
| | Supplemental Space 2 | | 1985 | 2.41 | 3.225 |
| | Town of Chelsea | Original | 1985 | 0.04 | 2.500 |
| | Supplemented Space 2 | | 1989 | 0.04 | 2.500 |
| | RWD #3, Washington Co. | Original | 1992 | 1.87 | 3.225 |
| | Claremore Public Works Auth | Original | 1988 | 0.20 | 3.225 |
| | Claremore Public Works Auth | Original | 1999 | 2.80 | 3.225 |
| | Public Service Co. of OK | Original | 2009 | 4.33 | 3.225 |
| Pat Mayse Lake, TX | City of Paris, TX (includes a conduit cost of \$10,000) | Original | 1965 | 11.00 | 3.137 |
| | Activate Future | | 1978 | 44.00 | |
| Pearson - Skubitiz Big Hill Lake, KS | State of KS (includes cost of conduit) | Original | 1973 | 8.50 | 4.012 |
| Pine Creek Lake, OK | Weyerhaeuser | Original | 1970 | 25.00 | 2.936 |
| | Activate Future | | 1970 | 23.98 | 2.936 |
| Sardis Lake, OK | OK Water Res. Board (includes a conduit cost of \$602,258) [4] | Original | 1974 | 140.00 | 4.012 |
| Skiatook Lake, OK | RWD #15, Osage Co. | Conduit | 1984 | 0.00 | |
| | RWD #15, Osage Co | Original | 1987 | 0.44 | |
| | Sand Springs Municipal Auth. | Original | 1988 | 1.50 | |
| | Sapulpa Municipal Auth. | Original | 1988 | 1.00 | |
| | Activate Future | | 1988 | 0.50 | |
| | Skiatook PWA | Original | 1998 | 0.45 | 4.012 |
| | Skiatook PWA | Original | 1988 | 0.61 | |
| | Sapulpa Municipal Auth. | Original | 2002 | 1.00 | |
| | Sands Springs Municipal Auth. | Original | 2005 | 2.50 | |
| | Sapulpa Municipal Auth. | Original | 2005 | 1.00 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Agreement Data | | | |
|--------------------------------------|---|-------------------------|-------------|----------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| | OK Water Res. Board | Assurance | NA | 5.50 | NA |
| Tenkiller Ferry Lake, OK | East Central OK Water Auth. | Reallocation | 1964 | 0.31 | 2.500 |
| | RWD #2, Cherokee Co. [5] | Reallocation | 1967 | 0.10 | 2.500 |
| | Sequoyah Fuels | Reallocation | 1970 | 14.68 | 2.500 |
| | Summit Water Inc. [5] | Reallocation | 1971 | 0.15 | 2.500 |
| | Paradise Hills, Inc. [5] | Reallocation | 1974 | 0.23 | 2.500 |
| | Lake Tenkiller Associates [5] | Reallocation | 1980 | 0.21 | 6.595 |
| | Lake Reg. Elec. Dev. Coop. Inc. | Reallocation | 1989 | 0.04 | 8.250 |
| | Tenkiller Aqua Park | Reallocation | 1990 | 0.02 | 8.250 |
| | Gore Public Works Auth. | Reallocation | 1990 | 0.50 | 8.250 |
| | Mongold Water System | Reallocation | 1990 | 0.01 | 8.250 |
| | L.ake Reg.. Elec. Dev. Coop. Inc. | Reallocation | 1991 | 0.03 | 9.125 |
| | Pettit Bay Water Association | Reallocation | 1991 | 0.01 | 9.125 |
| | Fin and Feather Resort | Reallocation | 1992 | 0.13 | 8.125 |
| | Sixshooter Water System | Reallocation | 1992 | 0.01 | 8.125 |
| | Billy Joe Stewart | Reallocation | 1992 | 0.01 | 8.125 |
| | Bill Richardson | Reallocation | 1992 | 0.00 | 8.125 |
| | Indian Hills Estates Company | Reallocation | 1993 | 0.01 | 7.500 |
| | J.R. Mosteller | Reallocation | 1993 | 0.01 | 7.500 |
| | Lake Reg.. Elec. Dev. Coop. Inc. | Reallocation | 1994 | 0.03 | 6.125 |
| | Lake Reg. Elec. Dev. Coop. Inc. | Reallocation | 1994 | 0.01 | 6.125 |
| | Burnt Cabin RWD Inc. | Reallocation | 1994 | 0.01 | 6.125 |
| | Sunny Heights Water System | Reallocation | 1995 | 0.01 | 7.750 |
| | Lake Tenkiller Development Co. | Reallocation | 1995 | 0.00 | 6.125 |
| | Charles Willige | Reallocation | 1996 | 0.01 | 7.500 |
| | Sequoyah County Water Association | Reallocation | 1998 | 2.30 | ? |
| | Petit Mountain Water Association | Surplus | 2003 | 0.01 | ? |
| | RWD #13 Cherokee Co. | Reallocation | 2004 | 0.14 | 5.500 |
| | Tahlequah PWA | Reallocation | 2005 | 4.50 | 5.125 |
| | Stick Ross Mountain Water Co. | Reallocation | 2005 | 0.62 | 5.125 |
| | Greenleaf Nursery Co. [6] | Interim Irr. | 2005 | 0.32 | ? |
| | RWD #2, Cherokee County [5] | Reallocation | 2007 | 0.10 | 4.875 |
| | RWD #13, Cherokee, County | Reallocation | 2007 | 0.10 | 4.875 |
| | Greenleaf Nursery Company | Interim Irrigation | 2008 | 2.22 | ? |
| Waurika Lake, OK | Waurika Project Master Conservation District (includes conduit cost of \$222,991) | Original | 1970 | 10.00 | 3.463 |
| | Waurika PMC Dist Eastern | Conduit | 1978 | 0.00 | |
| | Waurika PMC Dist Southern | Conduit | 1978 | 0.00 | |
| | Waurika PMC Dist Western | Conduit | 1978 | 0.00 | |
| | Waurola PMCD | Original | 2010 | 26.20 | |
| Wister Lake, OK | Heavener Utility Auth. [7] | Reallocation / Modified | 1963 / 2007 | 2.28 | 2.500 |
| | Poteau Valley Improvement Auth. | Reallocation | 1967 | 6.85 | 2.5 |
| | AES Shady Point, Incorporated | Reallocation | 1987 | 10.36 | 9.920 |
| 26 projects | 141 agreements + 21 Activate Future | | | 1369.89 | |

[1] SWT, Council Grove, Elk City, John Redmond, Marion, Water quality storage was reallocated and costs in this agreement developed under the MOU with the State of Kansas. Storage costs based on original construction or sunk costs of the reallocated water quality storage

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Agreement Data | | | |
|---|------|-----------------------|------|-------------|-------------------|
| Project | User | Agreement | | | |
| | | Type | Date | Yield (MGD) | Interest Rate (%) |
| [2] SWT, Denison Dam, No cost computations included in the 1969 contract. The practice at that time, however, was to use original or sunk costs on a use-of-facilities cost allocation basis. | | | | | |
| [3] SWT, El Dorado. City traded lands for the project, they pay only O&M on this increment. | | | | | |
| [4] SWT, Sardis Lake. Agreement was in litigation since 1990's for non-payment. Following a court settlement, final payment was made June 2010. | | | | | |
| [5] SWT, Tenkiller Lake, East Central OK Water Auth, Cherokee Co., RWD #13 & #2, Sequoyah County Water Assn, Sequoia Fuels, Summit Water Inc., Paradise Hills and Lake Tenkiller Associates. Costs based on revision to the 1969 cost allocation; flood control costs were reduced and assigned to water supply since storage was reassigned from the flood control pool. | | | | | |
| [6] SWT, Tenkiller Lake, Greenleaf Nursery. Assigned to WS under Sec 931, PL 99-662 (interim use of water supply for irrigation). Cost based on original cost of storage. | | | | | |
| [7] SWT, Wister, Heavener Utility Auth. This 2007 agreement replaced the original 1963 agreement. Total amount of agreement, total repaid and amount remaining have been adjusted to show the sum of the two agreements. | | | | | |
| [8] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies. | | | | | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Storage Space | | | | |
|--------------------------------------|--|--|----------|--------------------|----------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| Arcadia Lake, OK | Edmond PWA | 23,090 | 0 | 0 | 23,090 | 23,090 |
| Birch | OKWRB | 0 | 0 | 7,630 | 7,630 | |
| | OKWRB | 0 | 0 | 0 | 0 | 7,630 |
| Broken Bow Lake, OK | OK Tourism & Recreation (includes conduit cost of \$59) | 60 | 0 | 0 | 60 | |
| | Broken Bow PWA (includes conduit cost of \$8,908) | 4,301 | 4,054 | 0 | 8,355 | |
| | Unknown | 0 | 0 | 144,085 | 144,085 | 152,500 |
| Canton Lake, OK | OK City Muni. Imp. Auth | 90,000 | 0 | 0 | 90,000 | 90,000 |
| Copan Lake, OK | Copan PWA | 250 | 4,750 | 0 | 5,000 | |
| | Unknown | 0 | 0 | 2,500 | 2,500 | 7,500 |
| Council Grove, KA | KS Water Res. Board | 24,400 | 0 | 0 | 24,400 | |
| | State of KS [1] | 8,000 | 0 | 0 | 8,000 | 32,400 |
| Denison Dam, L. Texoma, OK & TX | City of Denison, TX | 21,300 | 0 | 0 | 21,300 | |
| | TU Electric | 16,400 | 0 | 0 | 16,400 | |
| | Red River Auth. of TX [2] | 450 | 0 | 0 | 450 | |
| | Red River Auth. of TX | 2,054 | 0 | 0 | 2,054 | |
| | N. Texas MWD | 84,099 | 0 | 0 | 84,099 | |
| | Buncombe Creek View Ad | 1 | 0 | 0 | 1 | |
| | Greater Texoma Utility Auth. | 5,500 | 0 | 0 | 5,500 | |
| | Greater Texoma Utility Auth. | 5,500 | 0 | 0 | 5,500 | |
| | Commissioners of Land Office, OK | 275 | 0 | 0 | 275 | |
| | Greater Texoma Utility Auth. | 11,600 | 0 | 0 | 11,600 | |
| | North Texas Municipal Water District | 100,000 | 0 | 0 | 100,000 | |
| | Greater Texoma Utility Auth. | 50,000 | 0 | 0 | 50,000 | |
| | Greater Texoma Utility Auth. | 1,515 | 0 | 0 | 1,515 | 298,694 |
| El Dorado Lake, KA | City of El Dorado (includes conduit cost of \$838,200) [3] | 39,793 | 0 | 0 | 39,793 | |
| | Activate Future | 11,666 | 0 | 0 | 11,666 | |
| | Activate Future | 19,254 | 72,080 | 0 | 91,334 | 142,793 |
| Elk City, KA | State Of KS (includes conduit cost of \$68,000) | 24,300 | 0 | 0 | 24,300 | |
| | State of KS [1] | 10,000 | 0 | 0 | 10,000 | 34,300 |
| Eufaula Lake, OK | Pittsburg Co. Water Co. | 850 | 0 | 0 | 850 | |
| | Haskell County Water Co. | 400 | 0 | 0 | 400 | |
| | RWD #1, Haskell Co | 50 | 0 | 0 | 50 | |
| | RWD #4, Pittsburg Co. | 50 | 0 | 0 | 50 | |
| | RWD #3, Muskogee Co. | 100 | 0 | 0 | 100 | |
| | Porum PWA | 125 | 0 | 0 | 125 | |
| | Sherwood Forrest Co. | 60 | 0 | 0 | 60 | |
| | Lakeside Water Co., Inc | 20 | 0 | 0 | 20 | |
| | RWD #3, Haskell County | 25 | 0 | 0 | 25 | |
| | Krebs Utility Auth. | 280 | 280 | 0 | 560 | |
| | RWD #8 McIntosh Co.#8 | 300 | 0 | 0 | 300 | |
| | Activate Future | 1,200 | 0 | 0 | 1,200 | |
| | Porum PWA | 280 | 120 | 0 | 400 | |
| | Pittsburg Co. PWA | 300 | 0 | 0 | 300 | |
| | Activate Future | 190 | 0 | 0 | 190 | |
| | Longtown RWD & SD #1 (includes conduit cost of \$475) | 1,000 | 0 | 0 | 1,000 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Storage Space | | | | |
|--------------------------------------|---|--|----------|--------------------|---------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| | Public Service Co. of OK (includes conduit cost of \$49) | 0 | 100 | 0 | 100 | |
| | McAlester PWA (includes conduit cost of \$3,1620) | 6,250 | 0 | 0 | 6,250 | |
| | Bristow Point Property Owners Assoc. (includes conduit cost of \$7) | 15 | 0 | 0 | 15 | |
| | Warner Utilities Auth. (includes conduit cost of \$118) | 220 | 0 | 0 | 220 | |
| | Twin Rivers Estates, Inc. (includes conduit cost to f\$13) | 9 | 0 | 0 | 9 | |
| | Bridgeport Dunes Condo Assoc. (includes conduit cost of \$3) | 5 | 0 | 0 | 5 | |
| | RWD #14, Pittsburg Co. (includes conduit cost of \$176) | 320 | 0 | 0 | 320 | |
| | Duchess Creek Mobile Park (includes conduit cost of \$2) | 4 | 0 | 0 | 4 | |
| | Warner Utilities Auth. (includes conduit cost of \$104) | 475 | 0 | 0 | 475 | |
| | RWD No. 2, Onapa (includes conduit cost of \$658) | 1,000 | 0 | 0 | 1,000 | |
| | Juniper Water Co. (includes conduit cost of \$8,7170) | 12,040 | 0 | 0 | 12,040 | |
| | RWD #3 Muskogee Co. (includes conduit cost of \$132) | 150 | 0 | 0 | 150 | |
| | City of Checotah 1 (includes conduit cost of \$1,400) | 1,600 | 0 | 0 | 1,600 | |
| | RWD #3, Muskogee Co. | 50 | 0 | 0 | 50 | |
| | B&B Gas Wells | 12 | 0 | 0 | 12 | |
| | OK Tourist & Rec. Dept, OK | 98 | 0 | 0 | 98 | |
| | OK Tourist & Rec. Dept, OK | 75 | 0 | 0 | 75 | |
| | City of Eufaula | 511 | 0 | 0 | 511 | |
| | OWRB | 0 | 0 | 27,636 | 27,636 | 56,200 |
| Heyburn, OK | Creek Co. RWD #1 (includes conduit cost of \$51,250) | 300 | 0 | 0 | 300 | |
| | Creek Co. RWD #1 | 600 | 0 | 0 | 600 | |
| | Creek Co. RWD #1 | 1,100 | 0 | 0 | 1,100 | 2,000 |
| Hugo Lake, OK | City of Hugo (includes \$32,800 for conduit present use) | 1,640 | 18,880 | 0 | 20,520 | |
| | Antlers Public Works Auth. | 490 | 430 | 0 | 920 | |
| | Western Farmers Elect. Coop | 6,100 | 0 | 0 | 6,100 | |
| | Activate Future | 17,350 | 0 | 0 | 17,350 | |
| | RWD #3, Pushmataha Co. | 512 | 0 | 0 | 512 | |
| | OWRB | 0 | 0 | 2,198 | 2,198 | 47,600 |
| Hula, OK | City of Bartlesville (includes conduit cost of \$5,280) | 15,400 | 0 | 0 | 15,400 | |
| | Activate Future | 2,200 | 0 | 0 | 2,200 | |
| | Hula Water District | 100 | 0 | 0 | 100 | |
| | City of Bartlesville | 2,100 | 0 | 0 | 2,100 | 19,800 |
| John Redmond, KA | KS Water Res. Board (includes conduit cost of \$10,000) | 34,900 | 0 | 0 | 34,900 | |
| | State of KS [1] | 10,000 | 0 | 0 | 10,000 | 44,900 |
| Kaw Lake, OK | Kaw Reservoir Auth. | 0 | 0 | 0 | 0 | |
| | Stillwater Utility Authority | 6,662 | 44,788 | 0 | 51,450 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Storage Space | | | | |
|--------------------------------------|--|--|----------|--------------------|---------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| | Otoe-Missouria | 183 | 0 | 0 | 183 | |
| | OK Gas & Electric | 9,150 | 0 | 0 | 9,150 | |
| | Activate Future | 8,439 | 0 | 0 | 8,439 | |
| | Activate Future | 21,761 | 0 | 0 | 21,761 | |
| | Kaw Nation | 6 | 0 | 0 | 6 | |
| | Not Under Contract | 0 | 0 | 80,211 | 80,211 | 171,200 |
| Keystone Lake, OK | Public Service Co. of OK | 7,000 | 5,500 | 0 | 12,500 | |
| | Activate Future | 5,500 | 0 | 0 | 5,500 | |
| | OWRB (includes conduit cost of \$28,300) | 0 | 0 | 2,000 | 2,000 | 20,000 |
| Marion, KA | State of Kansas | 38,300 | 0 | 0 | 38,300 | |
| | Stage of Kansas [1] | 12,500 | 0 | 0 | 12,500 | 50,800 |
| Oologah | Town of Chelsea | 670 | 860 | 0 | 1,530 | |
| | Tulsa Metro Water Authority | 0 | 0 | 0 | 0 | |
| | Tulsa Metro Water Authority | NA | NA | NA | NA | |
| | Supplemented Space 1 | 38,000 | 0 | 0 | 38,000 | |
| | Supplemented Space 2 | 6,500 | 0 | 0 | 6,500 | |
| | Supplemented Space 3 | 44,500 | 0 | 0 | 44,500 | |
| | Supplemented Space 4 | 196,450 | 0 | 0 | 196,450 | |
| | City of Collinsville | 500 | 0 | 0 | 500 | |
| | Supplemented Space 2 | 6,170 | 0 | 0 | 6,170 | |
| | Public Service Co. of OK | 5,000 | 0 | 0 | 5,000 | |
| | Supplemented Space 2 | 15,990 | 0 | 0 | 15,990 | |
| | RWD #4, Rogers Co. | 300 | 0 | 0 | 300 | |
| | Supplemented Space 2 | 1,290 | 0 | 0 | 1,290 | |
| | RWS #3 Rogers Co. | 600 | 0 | 0 | 600 | |
| | Supplemental Space 2 | 5,360 | 0 | 0 | 5,360 | |
| | Town of Chelsea | 100 | 0 | 0 | 100 | |
| | Supplemented Space 2 | 100 | 0 | 0 | 100 | |
| | RWD #3, Washington Co. | 4,170 | 0 | 0 | 4,170 | |
| | Claremore Public Works Auth | 445 | 0 | 0 | 445 | |
| | Claremore Public Works Auth | 6,230 | 0 | 0 | 6,230 | |
| | Public Service Co. of OK | 9,135 | 0 | 0 | 9,135 | 342,370 |
| Pat Mayse Lake, TX | City of Paris, TX (includes a conduit cost of \$10,000) | 21,900 | 0 | 0 | 21,900 | |
| | Activate Future | 21,900 | 65,800 | 0 | 87,700 | 109,600 |
| Pearson - Skubitiz Big Hill Lake, KS | State of KS (includes cost of conduit) | 9,200 | 16,500 | 0 | 25,700 | 25,700 |
| Pine Creek Lake, OK | Weyerhaeuser | 14,700 | 0 | 0 | 14,700 | |
| | Activate Future | 2,940 | 11,160 | 0 | 14,100 | 28,800 |
| Sardis Lake, OK | OK Water Res. Board (includes a conduit cost of \$602,258) [4] | 141,700 | 155,500 | 0 | 297,200 | 297,200 |
| Skiatook Lake, OK | RWD #15, Osage Co. | 0 | 0 | 0 | 0 | 0 |
| | RWD #15, Osage Co | 0 | 2,000 | 0 | 2,000 | 0 |
| | Sand Springs Municipal Auth. | 6,740 | 0 | 0 | 6,740 | |
| | Sapulpa Municipal Auth. | 2,245 | 0 | 0 | 2,245 | |
| | Activate Future | 2,245 | 0 | 0 | 2,245 | |
| | Skiatook PWA | 2,018 | 0 | 0 | 2,018 | |
| | Skiatook PWA | 2,743 | 0 | 0 | 2,743 | |
| | Sapulpa Municipal Auth. | 4,500 | 0 | 0 | 4,500 | |
| | Sands Springs Municipal Auth. | 11,250 | 0 | 0 | 11,250 | |
| | Sapulpa Municipal Auth. | 4,500 | 0 | 0 | 4,500 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Storage Space | | | | |
|--|---|--|----------------|--------------------|------------------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| | OK Water Res. Board | 0 | 0 | 24,659 | 24,659 | 62,900 |
| Tenkiller Ferry Lake, OK | East Central OK Water Auth. | 300 | 0 | 0 | 300 | |
| | RWD #2, Cherokee Co. [5] | 100 | 0 | 0 | 100 | |
| | Sequoyah Fuels | 14,000 | 0 | 0 | 14,000 | |
| | Summit Water Inc. [5] | 140 | 0 | 0 | 140 | |
| | Paradise Hills, Inc. [5] | 220 | 0 | 0 | 220 | |
| | Lake Tenkiller Associates [5] | 200 | 0 | 0 | 200 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 38 | 0 | 0 | 38 | |
| | Tenkiller Aqua Park | 17 | 0 | 0 | 17 | |
| | Gore Public Works Auth. | 480 | 0 | 0 | 480 | |
| | Mongold Water System | 5 | 0 | 0 | 5 | |
| | L.ake Reg.. Elec. Dev. Coop. Inc. | 34 | 0 | 0 | 34 | |
| | Pettit Bay Water Association | 5 | 0 | 0 | 5 | |
| | Fin and Feather Resort | 12 | 0 | 0 | 12 | |
| | Sixshooter Water System | 2 | 0 | 0 | 2 | |
| | Billy Joe Stewart | 6 | 0 | 0 | 6 | |
| | Bill Richardson | 1 | 0 | 0 | 1 | |
| | Indian Hills Estates Company | 3 | 0 | 0 | 3 | |
| | J.R. Mosteller | 2 | 0 | 0 | 2 | |
| | Lake Reg.. Elec. Dev. Coop. Inc. | 30 | 0 | 0 | 30 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 15 | 0 | 0 | 15 | |
| | Burnt Cabin RWD Inc. | 12 | 0 | 0 | 12 | |
| | Sunny Heights Water System | 10 | 0 | 0 | 10 | |
| | Lake Tenkiller Development Co. | 3 | 0 | 0 | 3 | |
| | Charles Willige | 2 | 0 | 0 | 2 | |
| | Sequoyah County Water Association | 2,200 | 0 | 0 | 2,200 | |
| | Petit Mountain Water Association | 10 | 0 | 0 | 10 | |
| | RWD #13 Cherokee Co. | 132 | 0 | 0 | 132 | |
| | Tahlequah PWA | 4,300 | 0 | 0 | 4,300 | |
| | Stick Ross Mountain Water Co. | 584 | 0 | 0 | 584 | |
| | Greenleaf Nursery Co. [6] | 300 | 0 | 0 | 300 | |
| | RWD #2, Cherokee County [5] | 99 | 0 | 0 | 99 | |
| | RWD #13, Cherokee, County | 100 | 0 | 0 | 100 | |
| | Greenleaf Nursery Company | 2,120 | 0 | 0 | 2,120 | 25,482 |
| Waurika Lake, OK | Waurika Project Master Conservation District (includes conduit cost of \$222,991) | 41,800 | 0 | 0 | 41,800 | |
| | Waurika PMC Dist Eastern | 0 | 0 | 0 | 0 | |
| | Waurika PMC Dist Southern | 0 | 0 | 0 | 0 | |
| | Waurika PMC Dist Western | 0 | 0 | 0 | 0 | |
| | Waurola PMCD | 109,600 | 0 | 0 | 109,600 | 151,400 |
| Wister Lake, OK | Heavener Utility Auth. [7] | 1,766 | 0 | 0 | 1,766 | |
| | Poteau Valley Improvement Auth. | 4,800 | 0 | 0 | 4,800 | |
| | AES Shady Point, Incorporated | 7,253 | 0 | 0 | 7,253 | 13,819 |
| 26 projects | 141 agreements + 21 Activate Future | 1,564,957 | 402,802 | 290,919 | 2,258,678 | 2,258,678 |
| [1] SWT, Council Grove, Elk City, John Redmond, Marion, Wa developed under the MOU with the State of Kansas. Storage c reallocated water quality storage | | | | | | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Storage Space | | | | |
|--------------------------------------|--|--|--------|--------------------|-------|--------------------------------------|
| Project | User | WS Agreement Storage Space (acre-feet) | | | | Project WS Storage Space (acre-feet) |
| | | Present | Future | Not Under Contract | Total | |
| [2] | SWT, Denison Dam, No cost computations included in the 1 original or sunk costs on a use-of-facilities cost allocation basis | | | | | |
| [3] | SWT, El Dorado. City traded lands for the project, they pay | | | | | |
| [4] | SWT, Sardis Lake. Agreement was in litigation since 1990's was made June 2010. | | | | | |
| [5] | SWT, Tenkiller Lake, East Central OK Water Auth, Cherokee Fuels, Summit Water Inc., Paradise Hills and Lake Tenkiller As flood control costs were reduced and assigned to water supply | | | | | |
| [6] | SWT, Tenkiller Lake, Greenleaf Nursery. Assigned to WS u irrigation). Cost based on original cost of storage. | | | | | |
| [7] | SWT, Wister, Heavener Utility Auth. This 2007 agreement re agreement, total repaid and amount reaming have been adjuste | | | | | |
| [8] | Remaining Principal owed (as applicable) includes, for the p of the ten-year interest free period. Price level varies. | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Storage Cost | | | | |
|--------------------------------------|--|--------------------------------|------------|--------------------|------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| Arcadia Lake, OK | Edmond PWA | 44,310,244 | 0 | 0 | 44,310,244 | 44,310,244 |
| Birch | OKWRB | 0 | 0 | 3,299,240 | 3,299,240 | |
| | OKWRB | 0 | 0 | 431,000 | 431,000 | 3,730,240 |
| Broken Bow Lake, OK | OK Tourism & Recreation (includes conduit cost of \$59) | 2,112 | 0 | 0 | 2,112 | |
| | Broken Bow PWA (includes conduit cost of \$8,908) | 170,189 | 107,585 | 0 | 277,774 | |
| | Unknown | 0 | 0 | 3,825,419 | 3,825,419 | 4,105,305 |
| Canton Lake, OK | OK City Muni. Imp. Auth | 2,806,900 | 0 | 0 | 2,806,900 | 2,806,900 |
| Copan Lake, OK | Copan PWA | 268,660 | 5,105,160 | 0 | 5,373,820 | |
| | Unknown | 0 | 0 | 2,686,900 | 2,686,900 | 8,060,720 |
| Council Grove, KA | KS Water Res. Board | 1,461,764 | 0 | 0 | 1,461,764 | |
| | State of KS [1] | 723,218 | 0 | 0 | 723,218 | 2,184,982 |
| Denison Dam, L. Texoma, OK & TX | City of Denison, TX | 292,861 | 0 | 0 | 292,861 | |
| | TU Electric | 286,353 | 0 | 0 | 286,353 | |
| | Red River Auth. of TX [2] | 9,100 | 0 | 0 | 9,100 | |
| | Red River Auth. of TX | 359,455 | 0 | 0 | 359,455 | |
| | N. Texas MWD | 16,984,605 | 0 | 0 | 16,984,605 | |
| | Buncombe Creek View Ad | 248 | 0 | 0 | 248 | |
| | Greater Texoma Utility Auth. | 1,266,081 | 0 | 0 | 1,266,081 | |
| | Greater Texoma Utility Auth. | 1,407,751 | 0 | 0 | 1,407,751 | |
| | Commissioners of Land Office, OK | 87,696 | 0 | 0 | 87,696 | |
| | Greater Texoma Utility Auth. | 3,727,060 | 0 | 0 | 3,727,060 | |
| | North Texas Municipal Water District | 38,830,547 | 0 | 0 | 38,830,547 | |
| | Greater Texoma Utility Auth. | 19,422,260 | 0 | 0 | 19,422,260 | |
| | Greater Texoma Utility Auth. | 599,123 | 0 | 0 | 599,123 | 83,273,140 |
| El Dorado Lake, KA | City of El Dorado (includes conduit cost of \$838,200) [3] | 11,050,400 | 0 | 0 | 11,050,400 | |
| | Activate Future | 3,046,527 | 0 | 0 | 3,046,527 | |
| | Activate Future | 7,405,026 | 15,983,747 | 0 | 23,388,773 | 37,485,700 |
| Elk City, KA | State Of KS (includes conduit cost of \$68,000) | 2,146,666 | 0 | 0 | 2,146,666 | |
| | State of KS [1] | 1,150,580 | 0 | 0 | 1,150,580 | 3,297,246 |
| Eufaula Lake, OK | Pittsburg Co. Water Co. | 75,330 | 0 | 0 | 75,330 | |
| | Haskell County Water Co. | 35,440 | 0 | 0 | 35,440 | |
| | RWD #1, Haskell Co | 4,706 | 0 | 0 | 4,706 | |
| | RWD #4, Pittsburg Co. | 4,420 | 0 | 0 | 4,420 | |
| | RWD #3, Muskogee Co. | 8,880 | 0 | 0 | 8,880 | |
| | Porum PWA | 11,786 | 0 | 0 | 11,786 | |
| | Sherwood Forrest Co. | 5,880 | 0 | 0 | 5,880 | |
| | Lakeside Water Co., Inc | 1,970 | 0 | 0 | 1,970 | |
| | RWD #3, Haskell County | 2,228 | 0 | 0 | 2,228 | |
| | Krebs Utility Auth. | 29,116 | 24,760 | 0 | 53,876 | |
| | RWD #8 McIntosh Co.#8 | 32,504 | 0 | 0 | 32,504 | |
| | Activate Future | 106,130 | 0 | 0 | 106,130 | |
| | Porum PWA | 30,063 | 10,598 | 0 | 40,661 | |
| | Pittsburg Co. PWA | 33,118 | 0 | 0 | 33,118 | |
| | Activate Future | 25,810 | 0 | 0 | 25,810 | |
| | Longtown RWD & SD #1 (includes conduit cost of \$475) | 107,949 | 0 | 0 | 107,949 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Storage Cost | | | | |
|--------------------------------------|---|--------------------------------|------------|--------------------|------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| | Public Service Co. of OK (includes conduit cost of \$49) | 0 | 11,016 | 0 | 11,016 | |
| | McAlester PWA (includes conduit cost of \$3,1620) | 719,075 | 0 | 0 | 719,075 | |
| | Bristow Point Property Owners Assoc. (includes conduit cost of \$7) | 1,823 | 0 | 0 | 1,823 | |
| | Warner Utilities Auth. (includes conduit cost of \$118) | 26,608 | 0 | 0 | 26,608 | |
| | Twin Rivers Estates, Inc. (includes conduit cost to f\$13) | 148 | 0 | 0 | 148 | |
| | Bridgeport Dunes Condo Assoc. (includes conduit cost of \$3) | 628 | 0 | 0 | 628 | |
| | RWD #14, Pittsburg Co. (includes conduit cost of \$176) | 40,090 | 0 | 0 | 40,090 | |
| | Duchess Creek Mobile Park (includes conduit cost of \$2) | 507 | 0 | 0 | 507 | |
| | Warner Utilities Auth. (includes conduit cost of \$104) | 68,339 | 0 | 0 | 68,339 | |
| | RWD No. 2, Onapa (includes conduit cost of \$658) | 149,569 | 0 | 0 | 149,569 | |
| | Juniper Water Co. (includes conduit cost of \$8,7170) | 1,981,186 | 0 | 0 | 1,981,186 | |
| | RWD #3 Muskogee Co. (includes conduit cost of \$132) | 29,954 | 0 | 0 | 29,954 | |
| | City of Checotah 1 (includes conduit cost of \$1,400) | 317,904 | 0 | 0 | 317,904 | |
| | RWD #3, Muskogee Co. | 13,929 | 0 | 0 | 13,929 | |
| | B&B Gas Wells | 2,398 | 0 | 0 | 2,398 | |
| | OK Tourist & Rec. Dept, OK | 19,918 | 0 | 0 | 19,918 | |
| | OK Tourist & Rec. Dept, OK | 15,254 | 0 | 0 | 15,254 | |
| | City of Eufaula | 105,008 | 0 | 0 | 105,008 | |
| | OWRB | 0 | 0 | 2,217,061 | 2,217,061 | 6,271,103 |
| Heyburn, OK | Creek Co. RWD #1 (includes conduit cost of \$51,250) | 64,645 | 0 | 0 | 64,645 | |
| | Creek Co. RWD #1 | 34,374 | 0 | 0 | 34,374 | |
| | Creek Co. RWD #1 | 73,121 | 0 | 0 | 73,121 | 172,140 |
| Hugo Lake, OK | City of Hugo (includes \$32,800 for conduit present use) | 126,810 | 1,082,390 | 0 | 1,209,200 | |
| | Antlers Public Works Auth. | 28,080 | 24,670 | 0 | 52,750 | |
| | Western Farmers Elect. Coop | 349,710 | 0 | 0 | 349,710 | |
| | Activate Future | 2,026,518 | 0 | 0 | 2,026,518 | |
| | RWD #3, Pushmataha Co. | 29,418 | 0 | 0 | 29,418 | |
| | OWRB | 0 | 0 | 126,011 | 126,011 | 3,793,607 |
| Hula, OK | City of Bartlesville (includes conduit cost of \$5,280) | 623,934 | 0 | 0 | 623,934 | |
| | Activate Future | 88,270 | 0 | 0 | 88,270 | |
| | Hula Water District | 4,000 | 0 | 0 | 4,000 | |
| | City of Bartlesville | 141,500 | 0 | 0 | 141,500 | 857,704 |
| John Redmond, KA | KS Water Res. Board (includes conduit cost of \$10,000) | 4,498,911 | 0 | 0 | 4,498,911 | |
| | State of KS [1] | 832,485 | 0 | 0 | 832,485 | 5,331,396 |
| Kaw Lake, OK | Kaw Reservoir Auth. | 395,975 | 0 | 0 | 395,975 | |
| | Stillwater Utility Authority | 1,530,403 | 10,290,008 | 0 | 11,820,411 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Storage Cost | | | | |
|--------------------------------------|--|--------------------------------|------------|--------------------|-------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| | Otoe-Missouria | 42,085 | 0 | 0 | 42,085 | |
| | OK Gas & Electric | 2,102,289 | 0 | 0 | 2,102,289 | |
| | Activate Future | 3,256,033 | 0 | 0 | 3,256,033 | |
| | Activate Future | 10,044,178 | 0 | 0 | 10,044,178 | |
| | Kaw Nation | 265 | 0 | 0 | 265 | |
| | Not Under Contract | 0 | 0 | 18,427,863 | 18,427,863 | 46,089,099 |
| Keystone Lake, OK | Public Service Co. of OK | 613,085 | 412,440 | 0 | 1,025,525 | |
| | Activate Future | 550,980 | 0 | 0 | 550,980 | |
| | OWRB (includes conduit cost of \$28,300) | 0 | 0 | 203,465 | 203,465 | 1,779,970 |
| Marion, KA | State of Kansas | 1,576,327 | 0 | 0 | 1,576,327 | |
| | Stage of Kansas [1] | 2,187,785 | 0 | 0 | 2,187,785 | 3,764,112 |
| Oologah | Town of Chelsea | 21,650 | 27,725 | 0 | 49,375 | |
| | Tulsa Metro Water Authority | 409,342 | 0 | 0 | 409,342 | |
| | Tulsa Metro Water Authority | NA | NA | NA | NA | |
| | Supplemented Space 1 | 1,485,962 | 0 | 0 | 1,485,962 | |
| | Supplemented Space 2 | 259,471 | 0 | 0 | 259,471 | |
| | Supplemented Space 3 | 1,642,359 | 0 | 0 | 1,642,359 | |
| | Supplemented Space 4 | 6,551,819 | 0 | 0 | 6,551,819 | |
| | City of Collinsville | 16,160 | 0 | 0 | 16,160 | |
| | Supplemented Space 2 | 199,490 | 0 | 0 | 199,490 | |
| | Public Service Co. of OK | 161,660 | 0 | 0 | 161,660 | |
| | Supplemented Space 2 | 538,353 | 0 | 0 | 538,353 | |
| | RWD #4, Rogers Co. | 9,700 | 0 | 0 | 9,700 | |
| | Supplemented Space 2 | 44,655 | 0 | 0 | 44,655 | |
| | RWS #3 Rogers Co. | 19,390 | 0 | 0 | 19,390 | |
| | Supplemental Space 2 | 184,118 | 0 | 0 | 184,118 | |
| | Town of Chelsea | 3,235 | 0 | 0 | 3,235 | |
| | Supplemented Space 2 | 3,356 | 0 | 0 | 3,356 | |
| | RWD #3, Washington Co. | 175,646 | 0 | 0 | 175,646 | |
| | Claremore Public Works Auth | 16,632 | 0 | 0 | 16,632 | |
| | Claremore Public Works Auth | 324,284 | 0 | 0 | 324,284 | |
| | Public Service Co. of OK | 676,965 | 0 | 0 | 676,965 | 12,771,972 |
| Pat Mayse Lake, TX | City of Paris, TX (includes a conduit cost of \$10,000) | 689,200 | 0 | 0 | 689,200 | |
| | Activate Future | 641,906 | 1,946,894 | 0 | 2,588,800 | 3,278,000 |
| Pearson - Skubitz Big Hill Lake, KS | State of KS (includes cost of conduit) | 2,511,758 | 4,465,256 | 0 | 6,977,014 | 6,977,014 |
| Pine Creek Lake, OK | Weyerhaeuser | 1,523,506 | 0 | 0 | 1,523,506 | |
| | Activate Future | 307,579 | 1,156,452 | 0 | 1,464,031 | 2,987,537 |
| Sardis Lake, OK | OK Water Res. Board (includes a conduit cost of \$602,258) [4] | 18,608,479 | 19,760,089 | 0 | 38,368,568 | 38,368,568 |
| Skiatook Lake, OK | RWD #15, Osage Co. | 703,960 | 0 | 0 | 703,960 | |
| | RWD #15, Osage Co | 0 | 563,867 | 0 | 563,867 | |
| | Sand Springs Municipal Auth. | 1,900,190 | 0 | 0 | 1,900,190 | |
| | Sapulpa Municipal Auth. | 632,924 | | | 632,924 | |
| | Activate Future | 632,924 | 0 | 0 | 632,924 | |
| | Skiatook PWA | 568,904 | 0 | 0 | 568,904 | |
| | Skiatook PWA | 890,715 | 0 | 0 | 890,715 | |
| | Sapulpa Municipal Auth. | 1,738,077 | 0 | 0 | 1,738,077 | |
| | Sands Springs Municipal Auth. | 4,802,475 | 0 | 0 | 4,802,475 | |
| | Sapulpa Municipal Auth. | 1,911,561 | 0 | 0 | 1,911,561 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT WS Storage Cost | | | | |
|--|---|--------------------------------|-------------------|--------------------|--------------------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| | OK Water Res. Board | 0 | 0 | 1,472,286 | 1,472,286 | 15,817,883 |
| Tenkiller Ferry Lake, OK | East Central OK Water Auth. | 17,700 | 0 | 0 | 17,700 | |
| | RWD #2, Cherokee Co. [5] | 2,020 | 0 | 0 | 2,020 | |
| | Sequoyah Fuels | 282,500 | 0 | 0 | 282,500 | |
| | Summit Water Inc. [5] | 4,330 | 0 | 0 | 4,330 | |
| | Paradise Hills, Inc. [5] | 6,039 | 0 | 0 | 6,039 | |
| | Lake Tenkiller Associates [5] | 8,722 | 0 | 0 | 8,722 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 4,157 | 0 | 0 | 4,157 | |
| | Tenkiller Aqua Park | 2,043 | 0 | 0 | 2,043 | |
| | Gore Public Works Auth. | 51,831 | 0 | 0 | 51,831 | |
| | Mongold Water System | 1,167 | 0 | 0 | 1,167 | |
| | L.ake Reg.. Elec. Dev. Coop. Inc. | 4,261 | 0 | 0 | 4,261 | |
| | Pettit Bay Water Association | 618 | 0 | 0 | 618 | |
| | Fin and Feather Resort | 1,630 | 0 | 0 | 1,630 | |
| | Sixshooter Water System | 256 | 0 | 0 | 256 | |
| | Billy Joe Stewart | 775 | 0 | 0 | 775 | |
| | Bill Richardson | 132 | 0 | 0 | 132 | |
| | Indian Hills Estates Company | 402 | 0 | 0 | 402 | |
| | J.R. Mosteller | 268 | 0 | 0 | 268 | |
| | Lake Reg.. Elec. Dev. Coop. Inc. | 4,350 | 0 | 0 | 4,350 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 2,166 | 0 | 0 | 2,166 | |
| | Burnt Cabin RWD Inc. | 1,311 | 0 | 0 | 1,311 | |
| | Sunny Heights Water System | 1,372 | 0 | 0 | 1,372 | |
| | Lake Tenkiller Development Co. | 417 | 0 | 0 | 417 | |
| | Charles Willige | 286 | 0 | 0 | 286 | |
| | Sequoyah County Water Association | 44,400 | 0 | 0 | 44,400 | |
| | Petit Mountain Water Association | 643 | 0 | 0 | 643 | |
| | RWD #13 Cherokee Co. | 20,532 | 0 | 0 | 20,532 | |
| | Tahlequah PWA | 723,274 | 0 | 0 | 723,274 | |
| | Stick Ross Mountain Water Co. | 85,794 | 0 | 0 | 85,794 | |
| | Greenleaf Nursery Co. [6] | 6,290 | 0 | 0 | 6,290 | |
| | RWD #2, Cherokee County [5] | 19,123 | 0 | 0 | 19,123 | |
| | RWD #13, Cherokee, County | 2,020 | 0 | 0 | 2,020 | |
| | Greenleaf Nursery Company | 54,300 | 0 | 0 | 54,300 | 1,355,129 |
| Waurika Lake, OK | Waurika Project Master Conservation District (includes conduit cost of \$222,991) | 4,644,284 | 0 | 0 | 4,644,284 | |
| | Waurika PMC Dist Eastern | 488,882 | 0 | 0 | 488,882 | |
| | Waurika PMC Dist Southern | 20,608,454 | 0 | 0 | 20,608,454 | |
| | Waurika PMC Dist Western | 8,910,058 | 0 | 0 | 8,910,058 | |
| | Waurola PMCD | 25,366,553 | 0 | 0 | 25,366,553 | 60,018,231 |
| Wister Lake, OK | Heavener Utility Auth. [7] | 15,188 | 0 | 0 | 15,188 | |
| | Poteau Valley Improvement Auth. | 125,110 | 0 | 0 | 125,110 | |
| | AES Shady Point, Incorporated | 1,963,800 | 0 | 0 | 1,963,800 | 2,104,098 |
| 26 projects | 141 agreements + 21 Activate Future | 307,330,138 | 60,972,657 | 32,689,245 | 400,992,040 | 400,992,040 |
| [1] SWT, Council Grove, Elk City, John Redmond, Marion, We developed under the MOU with the State of Kansas. Storage c reallocated water quality storage | | | | | | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT WS Storage Cost | | | | |
|--------------------------------------|--|--------------------------------|--------|--------------------|-------|------------------------------|
| Project | User | WS Agreement Storage Cost (\$) | | | | Project WS Storage Cost (\$) |
| | | Present | Future | Not Under Contract | Total | |
| [2] | SWT, Denison Dam, No cost computations included in the 1 original or sunk costs on a use-of-facilities cost allocation basis | | | | | |
| [3] | SWT, El Dorado. City traded lands for the project, they pay | | | | | |
| [4] | SWT, Sardis Lake. Agreement was in litigation since 1990's was made June 2010. | | | | | |
| [5] | SWT, Tenkiller Lake, East Central OK Water Auth, Cherokee Fuels, Summit Water Inc., Paradise Hills and Lake Tenkiller As flood control costs were reduced and assigned to water supply | | | | | |
| [6] | SWT, Tenkiller Lake, Greenleaf Nursery. Assigned to WS u irrigation). Cost based on original cost of storage. | | | | | |
| [7] | SWT, Wister, Heavener Utility Auth. This 2007 agreement re agreement, total repaid and amount reaming have been adjuste | | | | | |
| [8] | Remaining Principal owed (as applicable) includes, for the p of the ten-year interest free period. Price level varies. | | | | | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT Remaining Principal Owed [8] | | | |
|--------------------------------------|--|----------------------------------|------------------|------------------|------------------|
| Project | User | Amount Owed (\$) | | | District Percent |
| | | Present | Future | Total | |
| Arcadia Lake, OK | Edmond PWA | 0 | 0 | 0 | |
| Birch | OKWRB | 0 | 885,000 | 885,000 | |
| | OKWRB | 0 | 7,000 | 7,000 | |
| Broken Bow Lake, OK | OK Tourism & Recreation (includes conduit cost of \$59) | 0 | 0 | 0 | |
| | Broken Bow PWA (includes conduit cost of \$8,908) | 55,134 | 107,585 | 162,719 | |
| | Unknown | 0 | 3,881,544 | 3,881,544 | |
| Canton Lake, OK | OK City Muni. Imp. Auth | 0 | 0 | 0 | |
| Copan Lake, OK | Copan PWA | 164,438 | 5,105,160 | 5,269,598 | |
| | Unknown | 0 | 2,686,900 | 2,686,900 | |
| Council Grove, KA | KS Water Res. Board | 565,950 | 0 | 565,950 | |
| | State of KS [1] | 0 | 0 | 0 | |
| Denison Dam, L. Texoma, OK & TX | City of Denison, TX | 0 | 0 | 0 | |
| | TU Electric | 0 | 0 | 0 | |
| | Red River Auth. of TX [2] | 0 | 0 | 0 | |
| | Red River Auth. of TX | 0 | 0 | 0 | |
| | N. Texas MWD | 0 | 0 | 0 | |
| | Buncombe Creek View Ad | 0 | 0 | 0 | |
| | Greater Texoma Utility Auth. | 0 | 0 | 0 | |
| | Greater Texoma Utility Auth. | 0 | 0 | 0 | |
| | Commissioners of Land Office, OK | 0 | 0 | 0 | |
| | Greater Texoma Utility Auth. | 3,099,122 | 0 | 3,099,122 | |
| | North Texas Municipal Water District | 0 | 0 | 0 | |
| | Greater Texoma Utility Auth. | 0 | 0 | 0 | |
| | Greater Texoma Utility Auth. | 564,872 | 0 | 564,872 | |
| El Dorado Lake, KA | City of El Dorado (includes conduit cost of \$838,200) [3] | 0 | 0 | 0 | |
| | Activate Future | 2,308,278 | 0 | 2,308,278 | |
| | Activate Future | 6,819,223 | 15,983,747 | 22,802,970 | |
| Elk City, KA | State Of KS (includes conduit cost of \$68,000) | 835,496 | 0 | 835,496 | |
| | State of KS [1] | 0 | 0 | 0 | |
| Eufaula Lake, OK | Pittsburg Co. Water Co. | 12,147 | 0 | 12,147 | |
| | Haskell County Water Co. | 7,854 | 0 | 7,854 | |
| | RWD #1, Haskell Co | 0 | 0 | 0 | |
| | RWD #4, Pittsburg Co. | 1,133 | 0 | 1,133 | |
| | RWD #3, Muskogee Co. | 2,278 | 0 | 2,278 | |
| | Porum PWA | 0 | 0 | 0 | |
| | Sherwood Forrest Co. | 0 | 0 | 0 | |
| | Lakeside Water Co., Inc | 0 | 0 | 0 | |
| | RWD #3, Haskell County | 0 | 0 | 0 | |
| | Krebs Utility Auth. | 14,509 | 24,760 | 39,269 | |
| | RWD #8 McIntosh Co.#8 | 17,592 | 0 | 17,592 | |
| | Activate Future | 228,772 | 0 | 228,772 | |
| | Porum PWA | 0 | 10,598 | 10,598 | |
| | Pittsburg Co. PWA | 17,912 | 0 | 17,912 | |
| | Activate Future | 32,664 | 0 | 32,664 | |
| | Longtown RWD & SD #1 (includes conduit cost of \$475) | 26,669 | 0 | 26,669 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT Remaining Principal Owed [8] | | | |
|--------------------------------------|---|----------------------------------|------------------|------------------|------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District Percent |
| | Public Service Co. of OK (includes conduit cost of \$49) | 0 | 11,016 | 11,016 | |
| | McAlester PWA (includes conduit cost of \$3,1620) | 227,549 | 0 | 227,549 | |
| | Bristow Point Property Owners Assoc. (includes conduit cost of \$7) | 0 | 0 | 0 | |
| | Warner Utilities Auth. (includes conduit cost of \$118) | 0 | 0 | 0 | |
| | Twin Rivers Estates, Inc. (includes conduit cost to f\$13) | 0 | 0 | 0 | |
| | Bridgeport Dunes Condo Assoc. (includes conduit cost of \$3) | 0 | 0 | 0 | |
| | RWD #14, Pittsburg Co. (includes conduit cost of \$176) | 0 | 0 | 0 | |
| | Duchess Creek Mobile Park (includes conduit cost of \$2) | 0 | 0 | 0 | |
| | Warner Utilities Auth. (includes conduit cost of \$104) | 0 | 0 | 0 | |
| | RWD No. 2, Onapa (includes conduit cost of \$658) | 0 | 0 | 0 | |
| | Juniper Water Co. (includes conduit cost of \$8,7170) | 0 | 0 | 0 | |
| | RWD #3 Muskogee Co. (includes conduit cost of \$132) | 0 | 0 | 0 | |
| | City of Checotah 1 (includes conduit cost of \$1,400) | 0 | 0 | 0 | |
| | RWD #3, Muskogee Co. | 0 | 0 | 0 | |
| | B&B Gas Wells | 0 | 0 | 0 | |
| | OK Tourist & Rec. Dept, OK | 0 | 0 | 0 | |
| | OK Tourist & Rec. Dept, OK | 0 | 0 | 0 | |
| | City of Eufaula | 0 | 0 | 0 | |
| | OWRB | 0 | 2,217,061 | 2,217,061 | |
| Heyburn, OK | Creek Co. RWD #1 (includes conduit cost of \$51,250) | 4,281 | 0 | 4,281 | |
| | Creek Co. RWD #1 | 0 | 0 | 0 | |
| | Creek Co. RWD #1 | 0 | 0 | 0 | |
| Hugo Lake, OK | City of Hugo (includes \$32,800 for conduit present use) | 52,741 | 1,082,390 | 1,135,131 | |
| | Antlers Public Works Auth. | 11,665 | 24,670 | 36,335 | |
| | Western Farmers Elect. Coop | 192,850 | 0 | 192,850 | |
| | Activate Future | 1,574,234 | 0 | 1,574,234 | |
| | RWD #3, Pushmataha Co. | 0 | 0 | 0 | |
| | OWRB | 0 | 126,011 | 126,011 | |
| Hula, OK | City of Bartlesville (includes conduit cost of \$5,280) | 0 | 0 | 0 | |
| | Activate Future | 23,242 | 0 | 23,242 | |
| | Hula Water District | 0 | 0 | 0 | |
| | City of Bartlesville | 76,070 | 0 | 76,070 | |
| John Redmond, KA | KS Water Res. Board (includes conduit cost of \$10,000) | 1,599,892 | 0 | 1,599,892 | |
| | State of KS [1] | 0 | 0 | 0 | |
| Kaw Lake, OK | Kaw Reservoir Auth. | 0 | 0 | 0 | |
| | Stillwater Utility Authority | 967,658 | 10,290,008 | 11,257,666 | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT Remaining Principal Owed [8] | | | |
|--------------------------------------|--|----------------------------------|-------------------|-------------------|------------------|
| Project | User | Amount Owed (\$) | | | District Percent |
| | | Present | Future | Total | |
| | Otoe-Missouria | 0 | 0 | 0 | |
| | OK Gas & Electric | 1,081,042 | 0 | 1,081,042 | |
| | Activate Future | 2,516,715 | 0 | 2,516,715 | |
| | Activate Future | 9,051,678 | 0 | 9,051,678 | |
| | Kaw Nation | 0 | 0 | 0 | |
| | Not Under Contract | 0 | 18,427,863 | 18,427,863 | |
| Keystone Lake, OK | Public Service Co. of OK | 216,374 | 412,440 | 628,814 | |
| | Activate Future | 274,117 | | 274,117 | |
| | OWRB (includes conduit cost of \$28,300) | 0 | 203,465 | 203,465 | |
| Marion, KA | State of Kansas | 713,593 | 0 | 713,593 | |
| | Stage of Kansas [1] | 0 | 0 | 0 | |
| Oologah | Town of Chelsea | 12,835 | 27,725 | 40,560 | |
| | Tulsa Metro Water Authority | 31,837 | 0 | 31,837 | |
| | Tulsa Metro Water Authority | NA | NA | NA | |
| | Supplemented Space 1 | 58,573 | 0 | 58,573 | |
| | Supplemented Space 2 | 1,243,463 | 0 | 1,243,463 | |
| | Supplemented Space 3 | 845,208 | 0 | 845,208 | |
| | Supplemented Space 4 | 3,731,228 | 0 | 3,731,228 | |
| | City of Collinsville | 1,098 | 0 | 1,098 | |
| | Supplemented Space 2 | 129,577 | 0 | 129,577 | |
| | Public Service Co. of OK | 5,077 | 0 | 5,077 | |
| | Supplemented Space 2 | 317,842 | 0 | 317,842 | |
| | RWD #4, Rogers Co. | 656 | 0 | 656 | |
| | Supplemented Space 2 | 27,167 | 0 | 27,167 | |
| | RWS #3 Rogers Co. | 1,631 | 0 | 1,631 | |
| | Supplemental Space 2 | 114,626 | 0 | 114,626 | |
| | Town of Chelsea | 110 | 0 | 110 | |
| | Supplemented Space 2 | 118 | 0 | 118 | |
| | RWD #3, Washington Co. | 10,283 | 0 | 10,283 | |
| | Claremore Public Works Auth | 10,070 | 0 | 10,070 | |
| | Claremore Public Works Auth | 0 | 0 | 0 | |
| | Public Service Co. of OK | 0 | 0 | 0 | |
| Pat Mayse Lake, TX | City of Paris, TX (includes a conduit cost of \$10,000) | 0 | 0 | 0 | |
| | Activate Future | 0 | 1,946,894 | 1,946,894 | |
| Pearson - Skubitiz Big Hill Lake, KS | State of KS (includes cost of conduit) | 1,509,929 | 4,465,256 | 5,975,185 | |
| Pine Creek Lake, OK | Weyerhaeuser | 493,359 | 0 | 493,359 | |
| | Activate Future | 153,590 | 1,156,452 | 1,310,042 | |
| Sardis Lake, OK | OK Water Res. Board (includes a conduit cost of \$602,258) [4] | 0 | 19,760,089 | 19,760,089 | |
| Skiatook Lake, OK | RWD #15, Osage Co. | 536,423 | 0 | 536,423 | |
| | RWD #15, Osage Co | 0 | 563,867 | 563,867 | |
| | Sand Springs Municipal Auth. | 1,308,803 | 0 | 1,308,803 | |
| | Sapulpa Municipal Auth. | 440,245 | 0 | 440,245 | |
| | Activate Future | 502,492 | 0 | 502,492 | |
| | Skiatook PWA | 496,532 | 0 | 496,532 | |
| | Skiatook PWA | 138,711 | 0 | 138,711 | |
| | Sapulpa Municipal Auth. | 751,134 | 0 | 751,134 | |
| | Sands Springs Municipal Auth. | 1,962,021 | 0 | 1,962,021 | |
| | Sapulpa Municipal Auth. | 965,139 | 0 | 965,139 | |

ANNEX I: Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

| Southwester Division: Tulsa District | | SWT Remaining Principal Owed [8] | | | |
|--|---|----------------------------------|-------------------|--------------------|------------------|
| Project | User | Amount Owed (\$) | | | District Percent |
| | | Present | Future | Total | |
| | OK Water Res. Board | 0 | 1,472,286 | 1,472,286 | |
| Tenkiller Ferry Lake, OK | East Central OK Water Auth. | 1,736 | 0 | 1,736 | |
| | RWD #2, Cherokee Co. [5] | 352 | 0 | 352 | |
| | Sequoyah Fuels | 77,470 | 0 | 77,470 | |
| | Summit Water Inc. [5] | 0 | 0 | 0 | |
| | Paradise Hills, Inc. [5] | 0 | 0 | 0 | |
| | Lake Tenkiller Associates [5] | 0 | 0 | 0 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 0 | 0 | 0 | |
| | Tenkiller Aqua Park | 1,052 | 0 | 1,052 | |
| | Gore Public Works Auth. | 0 | 0 | 0 | |
| | Mongold Water System | 0 | 0 | 0 | |
| | L.ake Reg.. Elec. Dev. Coop. Inc. | 0 | 0 | 0 | |
| | Pettit Bay Water Association | 0 | 0 | 0 | |
| | Fin and Feather Resort | 0 | 0 | 0 | |
| | Sixshooter Water System | 0 | 0 | 0 | |
| | Billy Joe Stewart | 0 | 0 | 0 | |
| | Bill Richardson | 0 | 0 | 0 | |
| | Indian Hills Estates Company | 0 | 0 | 0 | |
| | J.R. Mosteller | 0 | 0 | 0 | |
| | Lake Reg.. Elec. Dev. Coop. Inc. | 0 | 0 | 0 | |
| | Lake Reg. Elec. Dev. Coop. Inc. | 0 | 0 | 0 | |
| | Burnt Cabin RWD Inc. | 0 | 0 | 0 | |
| | Sunny Heights Water System | 0 | 0 | 0 | |
| | Lake Tenkiller Development Co. | 0 | 0 | 0 | |
| | Charles Willige | 0 | 0 | 0 | |
| | Sequoyah County Water Association | 0 | 0 | 0 | |
| | Petit Mountain Water Association | 0 | 0 | 0 | |
| | RWD #13 Cherokee Co. | 16,941 | 0 | 16,941 | |
| | Tahlequah PWA | 463,135 | 0 | 463,135 | |
| | Stick Ross Mountain Water Co. | 81,659 | 0 | 81,659 | |
| | Greenleaf Nursery Co. [6] | 0 | 0 | 0 | |
| | RWD #2, Cherokee County [5] | 17,028 | 0 | 17,028 | |
| | RWD #13, Cherokee, County | 364 | 0 | 364 | |
| | Greenleaf Nursery Company | 10,860 | 0 | 10,860 | |
| Waurika Lake, OK | Waurika Project Master Conservation District (includes conduit cost of \$222,991) | 2,422,954 | 0 | 2,422,954 | |
| | Waurika PMC Dist Eastern | 359,633 | 0 | 359,633 | |
| | Waurika PMC Dist Southern | 16,758,704 | 0 | 16,758,704 | |
| | Waurika PMC Dist Western | 10,773,706 | 0 | 10,773,706 | |
| | Waurola PMCD | 0 | 0 | 0 | |
| Wister Lake, OK | Heavener Utility Auth. [7] | 6,050 | 0 | 6,050 | |
| | Poteau Valley Improvement Auth. | 27,290 | 0 | 27,290 | |
| | AES Shady Point, Incorporated | 181,697 | 0 | 181,697 | |
| 26 projects | 141 agreements + 21 Activate Future | 80,358,152 | 90,879,787 | 171,237,939 | 43% |
| [1] SWT, Council Grove, Elk City, John Redmond, Marion, We developed under the MOU with the State of Kansas. Storage c reallocated water quality storage | | | | | |

2011 Water Supply Database

| Southwester Division: Tulsa District | | SWT Remaining Principal Owed [8] | | | |
|--|------|----------------------------------|--------|-------|------------------|
| Project | User | Amount Owed (\$) | | | |
| | | Present | Future | Total | District Percent |
| [2] SWT, Denison Dam, No cost computations included in the 1 original or sunk costs on a use-of-facilities cost allocation basis | | | | | |
| [3] SWT, El Dorado. City traded lands for the project, they pay | | | | | |
| [4] SWT, Sardis Lake. Agreement was in litigation since 1990's was made June 2010. | | | | | |
| [5] SWT, Tenkiller Lake, East Central OK Water Auth, Cherokee Fuels, Summit Water Inc., Paradise Hills and Lake Tenkiller As flood control costs were reduced and assigned to water supply | | | | | |
| [6] SWT, Tenkiller Lake, Greenleaf Nursery. Assigned to WS u irrigation). Cost based on original cost of storage. | | | | | |
| [7] SWT, Wister, Heavener Utility Auth. This 2007 agreement re agreement, total repaid and amount reaming have been adjuste | | | | | |
| [8] Remaining Principal owed (as applicable) includes, for the p of the ten-year interest free period. Price level varies. | | | | | |



Institute for Water Resources

The Institute for Water Resources (IWR) is a Corps of Engineers Field Operating Activity located within the Washington DC National Capital Region (NCR), in Alexandria, Virginia and with satellite centers in New Orleans, LA and Davis, CA. IWR was created in 1969 to analyze and anticipate changing water resources management conditions, and to develop planning methods and analytical tools to address economic, social, institutional, and environmental needs in water resources planning and policy. Since its inception, IWR has been a leader in the development of strategies and tools for planning and executing the Corps water resources planning and water management programs.

IWR strives to improve the performance of the Corps water resources program by examining water resources problems and offering practical solutions through a wide variety of technology transfer mechanisms. In addition to hosting and leading Corps participation in national forums, these include the production of white papers, reports, workshops, training courses, guidance and manuals of practice; the development of new planning, socio-economic, and risk-based decision-support methodologies, improved hydrologic engineering methods and software tools; and the management of national waterborne commerce statistics and other Civil Works information systems. IWR serves as the Corps expertise center for integrated water resources planning and management; hydrologic engineering; collaborative planning and environmental conflict resolution; and waterborne commerce data and marine transportation systems.

The Institute's Hydrologic Engineering Center (HEC), located in Davis, CA specializes in the development, documentation, training, and application of hydrologic engineering and hydrologic models. IWR's Navigation Data Center (NDC) and its Waterborne Commerce Statistical Center (WCSC) in Alexandria, VA is the Corps data collection organization for waterborne commerce, vessel characteristics, port facilities, dredging information, and information on navigation locks.

Other enterprise centers at the Institute's NCR office include the International Center for Integrated Water Resources Management (ICIWaRM), which is a distributed, intergovernmental center, established in partnership with various Universities and non-Government organizations; and a Collaborative Planning Center which includes a focus on both the processes associated with conflict resolution, and the integration of public participation techniques with decision support and technical modeling – Computer Assisted Dispute Resolution (CADRe). The Institute plays a prominent role within a number of the Corps technical Communities of Practice (CoP), including the Economics CoP. The Corps Chief Economist is resident at the Institute, along with a critical mass of economists, sociologists and geographers specializing in water and natural resources investment decision support analysis and multi-criteria tradeoff techniques.

For further information on the Institute's activities associated with the Corps Economics Community of Practice (CoP) please contact Chief Economist, Dr. David Moser, at 703-428-6289, or via e-mail at: david.a.moser@usace.army.mil. The IWR contact for the Corps Planning CoP activities is Ms. Lillian Almodovar at 703-428-6021, or: lillian.almodovar@usace.army.mil.

The Director of IWR is Mr. Robert A. Pietrowsky, who can be contacted at 703-428-8015, or via e-mail at: robert.a.pietrowsky@usace.army.mil. Additional information on IWR can be found at: <http://www.iwr.usace.army.mil>. IWR's NCR mailing address is:

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2012-R-02