Institute for Water Resources

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A. INTRODUCTION

1. Background. This report combines information previously found in the U.S. Army Corps of Engineers (Corps) municipal and industrial (M&I) water supply database and irrigation water supply database reports into a single report. The majority of this information comes from the Corps' Operation and Maintenance Business Information Link (OMBIL) database. The OMBIL M&I water supply module has been under development since 2006 and the OMBIL irrigation module since 2012. The M&I water supply data from OMBIL presented in this report is current as of 31 December 2014. In a few areas, when it is considered to be more accurate, information from internal Corps reviews has been used to supplement or replace OMBIL data. Quality control and updating of OMBIL is an ongoing task.

2. History of Previous Database Reports.

a. Historical. The M&I water supply database was originally developed and maintained by the Corps on a continual basis beginning in the 1950s as each of the agreements was approved. This database contained information on 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 one-time data call and the data were never updated.

b. 1996. The first available on-line database of both M&I and irrigation storage is contained in the *Water Supply Handbook*, IWR Report 96-PS-4, dated December 1998 and is based on a 1996 survey. This report can be found at:
http://www.iwr.usace.army.mil/Portals/70/docs/iwrreports/96ps4.pdf

c. 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 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/Portals/70/docs/iwrreports/IWRReport05-PS-1.pdf

d. 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/Portals/70/docs/iwrreports/IWRRpt06-PS-1.pdf

e. 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 a module for

M&I water supply within the Operation and Maintenance Business Information Link (OMBIL). 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/Portals/70/docs/iwrreports/10-R-2.pdf

f. 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/Portals/70/docs/iwrreports/2011-R-06.pdf

g. 2011. The 2010 database report was updated in 2011. This 2011 M&I Water Supply Database report can be found at:
http://www.iwr.usace.army.mil/Portals/70/docs/iwrreports/2012-R-02.pdf

No further updates to the M&I Water Supply Database report were issued until the current report. After the 2011 report was issued, efforts focused on quality control of the OMBIL water supply module as well as development of the irrigation database and migration of reporting functions from OMBIL to the Enterprise Data Warehouse (EDW) platform.

h. 2013. This year saw the first irrigation water supply database report. This report, "2012 Irrigation Water Supply Database," can be found at:
http://www.iwr.usace.army.mil/Portals/70/docs/iwrreports/2013-R-01.pdf

B. AUTHORITIES, POLICIES AND PROCEDURES

1. Municipal and Industrial (M&I) Water Supply. The term "municipal and industrial", 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. The primary Corps' authority in water supply is linked to this M&I mission as spelled out in the 1958 Water Supply Act (WSA) (Title III of Public Law 85-500) 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. Under the terms of the 1958 WSA 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 under state law as needed. 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.

2. Surplus Water. Section 6 of the 1944 Flood Control Act (PL 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 policies and 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, or 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.

3. Irrigation Water Supply. 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 the Department of the Interior through the U.S. Bureau of Reclamation with the authority to provide the irrigation works at Corps projects needed to make use of the irrigation storage in those 17 western states. It is Reclamation'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 the Water Resources Development Act (WRDA) of 1986 are followed for cost and repayment responsibilities. To date, there are no similar agricultural water supply agreements in Corps multipurpose reservoir projects in the eastern states, although irrigation is an authorized project purpose in the Central and Southern Flood Control Project, Florida and the Grand Prairie Area Demonstration and Bayou Meto Basin projects in Arkansas.

4. Interim Use Irrigation. Section 931 of WRDA 1986 (PL 99-662) modifies Section 8 of the 1944 Flood Control Act. This law authorizes the Secretary of the Army to allocate storage in Corps reservoir projects for irrigation uses when it was originally allocated to M&I purposes but is not under contract for M&I use. Such water may be used for irrigation until the storage is required for M&I.

5. Contributed Funds. Section 111 of the Fiscal Year 2012 Energy and Water Development Appropriations Act (PL 112-74, Division B) amends the contributed funds authority authorized by the War Department Civil Functions Act of 1938 (PL 75-208) 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 authorizes the Corps to receive non-Federal contributed funds for studies, including reallocation studies.

6. Amendments and Related Authorities.

a. Section 10 of the Federal Water Pollution Control Act Amendments of 1961 (PL 87-88) modified the 1958 WSA to permit the acceptance of assurances towards the construction

cost for future water supply storage space in lieu of binding repayment agreements.

b. Public Law 88-140 extended to the non-federal sponsors of M&I water supply storage the right to use the storage for the physical life of the project subject to continuing repayment of all allocated project and annual costs.

c. Section 221 of the River and Harbor Act of 1970 (PL 91-661) requires a written agreement by a non-federal sponsor prior to construction to furnish its required cooperation for the project. Section 221 specifies that such sponsors must be a "legally constituted public body." Therefore, only public agencies may be the sponsor for water supply storage space constructed after this act, however, the Corps may still enter into agreements with private entities for the use of existing water supply storage space when no further construction is required.

d. Section 932 of WRDA 1986 (PL 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 operation, maintenance and replacement (OM&R) costs to be reimbursed annually. This later requirement has always been a part of Corps policies and procedures.

e. Section 322 of WRDA 1990 (PL 101-640) authorized, at the discretion of the Secretary of the Army, a reduced price for low-income communities when storage is reallocated and the cost of the reallocated storage is determined by the updating procedure.

f. Section 1046d of the Water Resources Reform and Development Act (WRRDA) of 2014 (PL 113-121) amended the 1958 WSA and authorized the Secretary of the Army to make a recommendation to Congress whether or not to release the rights of current contracted sponsors of future water supply storage space back to the Government. Prior to making such a recommendation, the sponsor must first provide, and the Secretary accept, a plan of actions to seek new and alternative users of the contracted storage. Such plans must be accepted no later than January 1, 2016.

g. Section 1051 of WRRDA 2014 (PL 113-121) amended the 1958 WSA to express Congressional intent regarding interstate water disputes that include considerations related to the 1958 WSA authority and Corps reservoir projects. The law states the preference of Congress that states resolve disputes through interstate water agreements and compacts. Upon Congressional approval of interstate agreements and compacts, the Secretary of the Army should adopt policies and implement procedures for the operation of Corps reservoirs that are consistent with the approved agreement or compact.

7. Policies and Procedures. The official policies and procedures for the Corps role in water supply can be found in Engineer Regulation 1105-2-100, "Planning Guidance Notebook" (2000), with the details provided in Appendix E of the regulation.

C. MUNICIPAL AND INDUSTRIAL WATER SUPPLY DATABASE

1. General. Of the approximately 380 reservoir projects operated and maintained by the Corps, 136 contain storage space for M&I water supply. A list of these 136 projects by MSC and district with corresponding M&I water supply storage space and yield is provided at **Appendix A**. These projects, show on **Figure 1**, 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 agreement and total for the project; and the remaining principal owed on the storage space.

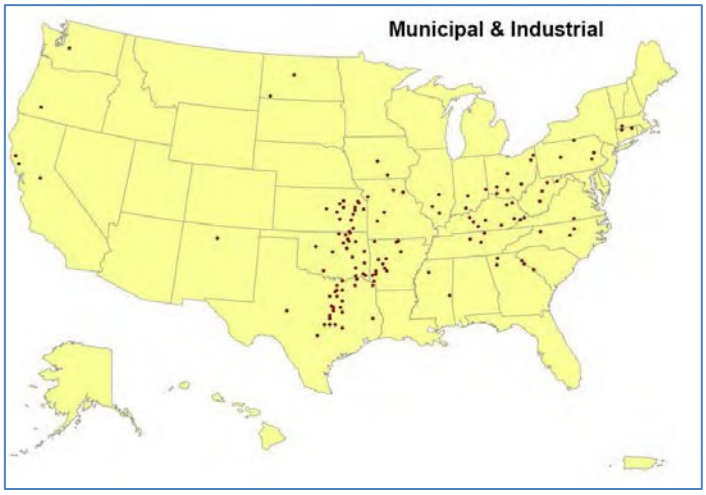

Figure 1. Location of Corps M&I WS Projects

2. Data Summary by MSC. The national M&I water supply totals, summarized by Corps divisions, or major subordinate commands (MSC), are shown in **Table 1**. As shown, the 136 projects contain 9.8 million acre-feet of storage space allocated for M&I water supply with a corresponding original investment cost of $1.5 billion. It should be noted that agreements have been signed over several decades and the investment costs throughout this report have not been updated to a common present value.

Nationwide, there are 342 separate repayment agreements through which local sponsors have repaid 58% 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 342 agreements listed: 323 are storage agreements, nine are surplus water agreements under Section 6 of the 1944 Flood Control Act, seven are agreements for the repayment of costs associated with water supply conduits, and three are interim irrigation use agreements under Section 931 of WRDA 1986.

The list of M&I projects does not include projects where incidental benefits occur for water supply 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.

The term “Under Contract Present” indicates the sponsor has already repaid the investment cost owed or is in the process of repaying it, as well as repaying allocated annual costs. “Under Contract Future” indicates the sponsor has signed an agreement to repay the costs of future use storage space, but has not yet activated the storage space and begun repaying costs in accordance with the terms of the agreement. For the purposes of this database, if the sponsor has initiated

Table 1. M&I Water Supply Storage Space by MSC

MSC	No. of Projects	No. of Agreements / Future Storage Activations	Storage Space (acre-feet)				Principal Cost of Storage ($1,000) [1]		Balance to be Repaid (%)
			Under Contract Present	Under Contract Future	Not Under Contract	Total	Original Cost Owed	Balance to be Repaid	
NAD	7	7 / 0	167,435	0	0	167,435	141,267	58,457	41
SAD	10	25 / 0	209,623	0	0	209,623	35,148	11,947	34
LRD	28	46 / 0	602,653	0	8,460	611,113	79,860	36,764	46
MVD	8	14 / 0	230,597	202,220	13,293	446,110	46,421	21,891	47
NWD	17	35 / 4	498,646	413,630	101,877	1,014,153	124,533	70,469	57
SPD	4	4 / 0	565,000	0	0	565,000	127,706	97,952	77
SWD	62	211 / 76	5,706,942	770,860	310,699	6,788,501	948,873	340,361	36
TOTAL	**136**	**342 / 80**	**7,980,896**	**1,386,710**	**434,329**	**9,801,935**	**1,503,808**	**637,841**	**42**

Notes:
[1] All principal costs are reported directly from the agreements, and have not been updated to present values.

payments for this storage space, the space is listed as present whether or not the storage is activated. "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 contract has not yet been signed. Additional information on the not under contract category is provided in the following paragraph 5. In addition to the 342 original agreements, there are also 80 separate activate future actions where the sponsors have converted increments of future use storage to present use storage.

3. Comparison of Storage Space to Earlier Data. The comparison of storage volumes between the seven database reports (1996, 2004, 2005, 2009, 2010, 2011 and 2014) are shown in **Table 2.** The changes in storage volume are due to several factors: reallocation actions, activating future use agreements, expiring agreements and ongoing quality control of the OMBIL data. The increase shown in storage in 2009 was primarily caused by erroneously including some old agreements that had expired.

Table 2. Comparison of Storage Space

Report Date	Storage Space (acre-feet)			
	Present Use	Future Use	Not Under Contract	Total
1996	6,335,393	2,410,539	778,699	9,524,6321
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	9,671,128
2011	7,979,884	1,353,830	427,689	9,761,403
2014	7,980,896	1,386,710	434,329	9,801,935

4. Distribution 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**. This distribution does not recognize the indirect water supply benefits identified in above paragraph 2 which occur primarily in SAD, LRD and NWD.

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

MSC	Percent of Projects (%)	Percent of M&I Storage Space (%)
SWD	46	69
LRD	21	6
NWD	13	10
SAD	7	2
MVD	6	5
NAD	5	2
SPD	3	6
Note: numbers may not add to 100 due to rounding.		

5. Storage Space Not Under Contract. Not under contract M&I storage space was 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. There is still 434,329 acre-feet of storage that remains in this not under contract category. This storage is located in 15 projects in 6 districts and in 4 MSCs. The original investment cost of this not under contract storage space, including conduits, is $55.1 million. The breakdown of this information is shown in **Table 4.** In this table, the current repayment obligation of any prospective sponsor can be greater than the original investment cost shown as interest 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)	Principal Cost of Storage ($)
LRD	Pittsburgh	Berlin, OH	6,260	2,449,699
		Stonewall Jackson, WV	2,200	4,300,000
MVD	Vicksburg	DeGray, AR	13,293	329,496
NWD	Portland	Lost Creek, OR	6,177	3,746,292
	Kansas	Long Branch, MO	20,000	5,083,005
		Smithville, MO	75,700	6,315,153
SWD	Fort Worth	Hords Creek, TX	5,780	105,078
	Tulsa	Birch, OK	7,630	3,730,240
		Broken Bow, OK	144,085	3,881,454
		Copan, OK	2,500	2,711,600
		Eufaula, OK	27,636	2,217,061
		Hugo, OK	2,198	126,011
		Kaw OK	80,211	18,427,863
		Keystone, OK	2,000	203,465
		Skiatook, OK	24,659	1,472,286
		Tenkiller Ferry Lake, OK [1]	14,000	0
TOTAL	**6 Districts**	**15 Projects**	**434,329**	**55,098,703**
Notes: [1] The cost of this storage was repaid under an agreement terminated in 2012.				

6. Distribution by State. The 136 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**. 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 underlined state is the primary designation for the project.

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	647,051	North Carolina	3	123,800
California	3	387,000	North Dakota	2	69,890
Connecticut	1	50,200	Ohio	7	177,824
Georgia	4	47,775	Oklahoma	17	1,520,741
Illinois	3	166,406	Oregon	1	10,000
Indiana	3	378,958	Pennsylvania	5	69,790
Iowa	2	21,580	South Carolina	1	3,833
Kansas	16	1,069,111	Tennessee	3	27,402
Kentucky	9	15,611	Texas	26	4,529,713
Massachusetts	1	9,400	Virginia	3	24,575
Mississippi	2	17,600	Washington	1	20,000
Missouri	5	189,772	West Virginia	4	45,903
New Mexico	1	178,000	**TOTAL**	**136**	**9,801,935**

7. Types of 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 Native American Tribes. A summary of the M&I storage distribution by local sponsor is provided as **Table 6**. Local city and town water agencies have the most storage space followed closely by utilities and water districts which may serve areas ranging from multiple counties to small rural water districts, and then state water agencies followed by river basin commissions and authorities. The river basin commissions and authorities are located primarily in two states, Pennsylvania and Texas. The industries and corporations category includes private-sector sponsors such as golf courses and light industry, as well as electric utilities. The "other" category includes agreements with Native American Tribes, private individuals, and combinations of city/county/water districts.

Table 6. Storage Under Contract Distribution by Sponsor

Type of Sponsor	Storage Space		Number of Agreements	
	Acre-feet	%	Number	%
Cities and Towns	2,621,791	28	102	30
Utilities / Water Districts	2,320,399	25	101	30
States	2,002,606	21	37	11
River Basin Commissions	1,824,724	19	25	7
Counties	347,193	4	10	3
Industries / Corporations	247,365	3	45	13
Other	3,528	<1	22	6
TOTAL	**9,367,606**	**100**	**342**	**100**

8. Reallocations.

a. National Summary by District. As it becomes increasingly difficult to permit and finance new reservoir projects, there is increasing interest in reallocating storage in existing projects to meet increasing water supply needs. 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 of the agreement. See following paragraph e for discussion of methods used to determine cost.

Table 7. Reallocations by District

MSC	District	Number of Projects	Number of Agreements	Years Reallocated (Between)	Storage Space Reallocated (acre-feet)	Principal Cost of Storage ($) [1]
NAD	NAB	2	2	1986-1994	30,960	46,348,000
SAD	SAW	1	4	1984-2006	21,115	4,806,517
	SAS	3	13	1964-2001	31,279	6,762,336
	SAM	2	4	1963-1991	20,329	3,837,830
LRD	LRH	4	5	2000-2010	9,495	5,030,779
	LRL	4	6	1978-2006	4,111	549,599
	LRN	4	16	2003-2011	28,376	16,213,072
	LRP	1	1	2010	2,950	2,557,949
MVD	MVK	2	2	1996-1998	6,075	1,222,649
NWD	NWK	7	12	1986-2002	176,963	25,741,771
SWD	SWL	6	21	1970-2010	97,554	9,643,880
	SWF	2	2	1969-1984	65,526	15,462,000
	SWT	7	50	1953-2012	363,743	91,368,377
TOTAL	**13**	**45**	**138**	**1953-2012**	**858,476**	**229,544,759**

Notes:
[1] All costs of storage are reported directly from the agreements, and have not been updated to present values.

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 that, for the program as a whole, the reallocated storage agreements are smaller in storage space (9% of total) in relation to the cost (15% of total). This is due to the Corps' policy of updating the cost of storage to present price levels when it is reallocated.

Table 8. Size of Reallocation Program

Item	Total M&I Program	Reallocations	% Reallocations of Total
Number of Projects	136	45	33%
Number of Agreements	342	138	40%
Storage Space (acre-feet)	9,801,935	858,476	9%
Assigned Cost ($)	1,503,808,000	229,544,759	15%

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**. The activity in the first half of the 2010 decade has in a large part been 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 also was the result of specific legislation, also at the Denison Dam/Lake Texoma project. Public Law 82-273, enacted on 14 August 1953 provided for 21,300 acre-feet of storage to be reallocated for the City of Denison, TX.

Table 9. Reallocations by Decade

Decade	Number of Agreements Signed	Storage Space (acre-feet)	Principal Cost of Storage ($)
1950's	1	21,300	292,861
1960's	11	80,698	5,783,108
1970's	8	11,300	945,428
1980's	15	187,038	77,539,731
1990's	56	254,825	42,936,906
2000's	35	112,282	28,871,667
2010's	12	191,033	73,175,058
TOTAL	**138**	**858,476**	**229,544,759**

d. Source of Reallocated Storage. Reallocations come from various pools within the reservoir, and sometimes from storage specifically allocated to another purpose. This breakout by the reallocated purpose and the corresponding storage space and cost to be recovered is shown in **Table 10**. Hydropower storage 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	Number of Agreements	Storage Space Reallocated (acre-feet)	Principal Cost of Storage ($)
Flood Risk Management	50	122,684	55,028,931
Conservation – Hydropower	54	413,116	116,917,990
Conservation – Multipurpose	14	87,418	18,079,772
Conservation – Water Quality	12	179,310	23,469,731
Unknown	8	55,948	16,048,335
TOTAL	**138**	**858,476**	**229,544,759**

e. Method Used to Determine 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 a specific or generic authorization. The summary of these methods used to determine

costs is provided in **Table 11**. The updated cost of storage is the most prevalent method used to determine the cost of reallocated storage, with about two-thirds of the agreements and storage space and 85% of the principal costs determined in that manner.

Table 11. Method Used to Determine Cost of Reallocated Storage

Method Used to Determine Cost	Number of Agreements Signed	Storage Space Reallocated (acre-feet)	Principal Cost of Storage ($)
Updated Cost of Storage	91	529,781	195,875,858
Original Cost [1]	16	81,912	2,663,968
Benefits Foregone	13	38,519	9,706,535
1985 Kansas MOU	10	173,000	20,748,799
Replacement Cost	4	1,204	155,971
Revenues Foregone	2	2,907	393,628
No Cost [2]	2	31,153	0
TOTAL	**138**	**858,476**	**229,544,759**

[1] Original cost method includes 7 agreements at Tenkiller Ferry Lake, OK, based on revisions to the original cost allocation report to reflect the reallocation of flood storage to water supply.
[2] 2 agreements at Beaver Lake, AR, made at no charge per specific legislation.

9. Repayment Versus Costs of Collection. All payments 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. Payments 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 and RR&R) costs. There are several categories of interest: (1) on amortized principal, (2) charged after the 10- year interest free period on future use storage (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, coordinate with and bill the sponsors, collect the revenue and return the revenue to the U.S. Treasury. While sponsor payments have been returned to the U.S. Treasury as far back as at least 1944, the tracking of these payments was only initiated in fiscal year 2003, and automated reporting through OMBIL was enabled in 2007. The last eight years of data are provided in **Table 12**. As would be expected, the annual payments vary considerable in those years when big payments are made for one reason or another. For example, the fiscal year 2010 and 2011 totals are relatively large due to lump sum payments for storage at the Sardis, Texoma and Waurika Lakes projects in Tulsa District.

Table 12. Sponsor Repayment and Costs of Collection for Water Supply

Fiscal Year	Sponsor Repayments ($)				Costs of Collection ($)
	Principal	Interest	O&M	Total	
2007	13,290,587	17,605,571	12,950,456	43,846,614	523,318
2008	15,343,450	16,756,846	10,633,173	42,733,469	524,072
2009	15,999,375	16,832,877	12,750,781	45,583,033	779,787
2010	49,235,151	33,034,364	16,996,372	99,265,887	1,257,143
2011	81,155,474	22,093,026	17,340,590	120,589,090	959,787
2012	30,959,961	16,130,127	18,618,283	65,708,371	1,005,298
2013	26,835,510	14,579,356	20,302,435	61,717,301	997,228
2014	18,547,719	14,541,829	13,083,406	46,172,953	1,334,933

10. Population Served. Under the 1958 WSA, 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 (mgd) 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 9.8 million acre-feet will provide a yield of about seven billion gallons of water per day. This yield is theoretically capable of meeting the total city needs of about six million people or the individual indoor household needs of about 100 million people.

11. Percentage of National Needs Met. As shown in **Table 13**, M&I storage in Corps projects is capable of providing approximately seven billion gallons of water per day. The United States Geologic Survey estimates that the total water use in the United States in 2010 was about 355 billion gallons per day. This is the latest information available and the report can be found on the USGS web site at: http://water.usgs.gov/watuse. The USGS report is a comprehensive survey of water use, including withdrawals from groundwater and both fresh and saline surface water sources for public water supply, industry, irritation, livestock, cooling for thermoelectric power generation, mining and domestic purposes. The USGS reported water withdrawal categories and national totals are summarized in **Table 14**.

Based on these values, the existing Corps M&I water supply storage is theoretically capable of providing about 10% of the nation's total water withdrawals for consumptive use that are considered under the definition of municipal and industrial water supply, and about 17% of the water that is currently withdrawn from surface water sources for consumptive use (as opposed to groundwater).

12. M&I Projects Since WRDA 1986. Since the passage of WRDA 1986 there have 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 of these projects have been, or are in the process of being turned over to local interests to operate and maintain and are not included in this database. Over this period, however, there have been numerous reallocations and a couple of project modifications for M&I water supply. All of these projects are included in the database.

Table 13. Estimated Population Served by Corps M&I Water Supply

MSC	District	Total M&I WS Storage Space (acre-feet)	Estimated Yield from Storage (mgd)	Estimated Population Served	
				Total Requirements	Indoor Household
North Atlantic					
	New England	59,600	134	112,000	1,985,000
	Philadelphia	35,880	78	65,000	1,156,000
	Baltimore	71,955	240	200,000	3,556,000
	Total	**167,435**	**452**	**377,000**	**6,697,000**
South Atlantic					
	Wilmington	144,915	357	298,000	5,289,000
	Savannah	31,279	66	55,000	978,000
	Mobile	33,429	48	40,000	711,000
	Total	**209,623**	**471**	**393,000**	**6,978,000**
Lakes and Rivers					
	Huntington	95,525	80	67,000	1,185,000
	Louisville	462,431	397	331,000	5,881,000
	Nashville	28,507	93	78,000	1,378,000
	Pittsburgh	24,650	42	35,000	622,000
	Total	**611,113**	**612**	**511,000**	**9,066,000**
Mississippi Valley					
	Rock Island	14,900	13	11,000	193,000
	St. Louis	186,406	128	107,000	1,896,000
	Vicksburg	244,804	164	137,000	2,430,000
	Total	**446,110**	**305**	**255,000**	**4,519,000**
Northwestern					
	Omaha	69,890	21	18,000	311,000
	Seattle	20,000	34	28,000	504,000
	Portland	10,000	17	14,000	252,000
	Kansas City	914,263	362	302,000	5,363,000
	Total	**1,014,153**	**434**	**362,000**	**6,430,000**
South Pacific					
	Albuquerque	178,000	[1]	0	0
	San Francisco	282,000	248	207,000	3,674,000
	Sacramento	105,000	10	8,000	148,000
	Total	**565,000**	**258**	**215,000**	**3,822,000**
Southwestern					
	Little Rock	406,747	513 [2]	428,000	7,600,000
	Fort Worth	4,120,112	2,535 [3]	2,113,000	37,556,000
	Tulsa	2,261,642	1,354	1,128,000	20,059,000
	Total	**6,788,501**	**4,402**	**3,669,000**	**65,215,000**
	National Total	**9,801,935**	**6,934**	**5,782,000**	**102,727,000**

Notes:
[1] Abiqui Lake, NM, project storage used as pass-through for water diverted as part of the U.S. Bureau of Reclamation's San Juan-Chama project.
[2] Does not include an agreement at Dardanelle Lake, AR, that allows a nuclear power plant to withdraw 1,100 mgd for cooling water, the majority of which is returned back to the lake after use.
[3] Authorization of the Sam Rayburn and Town Bluff projects in TX allow the sponsor to order releases up to 1,300 mgd without specifying an amount of storage.

Table14. National Total Water Withdrawals

Category	Estimated National Total Withdrawals (mgd)	Estimated National Total Surface Water Withdrawals [3] (mgd)
Public Supply [1]	42,000	26,300
Self-supplied Domestic [1]	3,600	64
Irrigation	115,000	65,900
Livestock	2,000	797
Aquaculture	9,420	7,610
Self-supplied Industrial [1]	15,986	13,037
Mining [1]	5,320	1,412
Thermoelectric [2]	160,900	159,800
TOTAL (All Withdrawals)	**354,226**	**274,920**
TOTAL (M&I Consumptive Use)	**66,906**	**40,813**

Notes:
[1] Categories generally considered to fall under the Corps definition of municipal and industrial water supply.
[2] While water supply for thermal power generation is considered to fall under the Corps definition of municipal and industrial water supply, a majority of the water withdrawn for this use is typically returned, and the use of storage is relatively minor.
[3] As opposed to withdrawals supplied from groundwater sources.

D. IRRIGATION WATER SUPPLY

1. Types of Irrigation Authorization. Irrigation is authorized to be a project purpose in our multiple purpose projects in one of three ways: joint storage, specific storage or run-of-river.

a. Joint Storage. This is a project where irrigation is authorized in a conservation pool with other purposes, but where specific storage amounts are not assigned to any one particular purpose. These projects can be operated for irrigation with costs assigned and revenues collected.

b. Specific Storage. This is a project where irrigation is authorized in a conservation pool, where each purpose is assigned a specific storage amount. These projects can be operated for irrigation with costs assigned and revenues collected.

c. Run-of-River. This is a project with a very low head and is authorized for hydropower generation and/or navigation and where irrigation is authorized only as an incidental purpose. In these cases the projects are not operated for irrigation, there is no storage, cost or benefits assigned to irrigation, there are no billings to any possible irrigators, and no revenues are collected.

2. Database. Development of the irrigation water supply database is ongoing, and the data presented in this report has not changed from the “2012 Irrigation Water Supply Database” report referenced in section A.2. There are a total of 46 multi-purpose Corps projects in the West with irrigation authorized as a purpose. Of this number, 22 are authorized as joint storage, 17 are authorized as specific storage and 7 as run-of-river. At the storage projects, agreements for irrigation use are administered by the Bureau of Reclamation. A list of projects, by type of authority is provided in **Table 15**.

Table 15. Corps Projects Authorized for Irrigation

District	Project	State	River Basin	Joint	Specific	Run- of-River	Irrigation Agreement	M&I Storage Agreement
Omaha	Ft. Peck	MT	Missouri	X				
	Garrison	ND	Missouri	X				
	Oahe	ND/SD	Missouri	X				
	Big Bend	SD	Missouri	X				
	Ft. Randall	SD	Missouri	X				
	Gavins Point	SD/NE	Missouri	X				
Walla Walla	Lucky Peak	ID	Middle Snake	X			X	
	Ice Harbor	WA	Lower Snake			X		
	Little Goose	WA	Lower Snake			X		
	Lower Granite	WA	Lower Snake			X		
	Lower Monumental	WA	Lower Snake			X		
	Mc Nary	WA/OR	Middle Columbia			X		
Portland	John Day	WA/OR	Lower Columbia			X		
	The Dalles	OR	Lower Columbia			X		
	Lookout Point / Dexter	OR	Willamette	X			X	
	Blue River	OR	Willamette	X			X	
	Cottage	OR	Willamette	X			X	
	Cougar	OR	Willamette	X			X	
	Detroit / Big Cliff	OR	Willamette	X			X	
	Dorena	OR	Willamette	X			X	
	Fall Creek	OR	Willamette	X			X	
	Fern Ridge	OR	Willamette	X			X	
	Foster	OR	Willamette	X				
	Green Peter	OR	Willamette	X			X	
	Hills Creek	OR	Willamette	X			X	
	Applegate	OR	Rogue	X			X	
	Lost Creek	OR	Rogue	X			X	X
	Willow Creek	OR	Willow Creek	X			X	
Kansas City	Harlan	NE	Republican		X		X	
	Kanopolis	KS	Smoky Hill		X			
	Wilson	KS	Smoky Hill		X			
Sacramento	Black Butte	CA	Sacramento		X		X	
	Eastman	CA	San Joaquin		X		X	
	Hensley	CA	San Joaquin		X		X	
	New Hogan	CA	San Joaquin		X		X	X
	Isabella	CA	Tulare-Buena Visa Lakes		X		X	
	Kaweah	CA	Tulare-Buena Visa Lakes		X		X	
	Pine Flat	CA	Tulare-Buena Visa Lakes		X		X	
	Success	CA	Tulare-Buena Visa Lakes		X		X	
Albuquerque	Abiquiu	NM	Rio Grande					X
	Conchas	NM	Upper Canadian		X			
	John Martin	CO	Upper Arkansas		X			
	Trinidad	CO	Upper Arkansas		X		X	
	Santa Rosa	NM	Upper Arkansas		X			
Ft. Worth	Belton	TX	Lower Brazos	X				X
Tulsa	Waurika	OK	Red-Washita		X			X
TOTAL	**46**			**22**	**17**	**7**	**24**	**5**

A map of the 45 projects by type of authorization is shown on **Figure 2**. **Table 15** also identifies projects with irrigation agreements administered by the U.S. Bureau of Reclamation, and the projects that have agreements for M&I water supply.

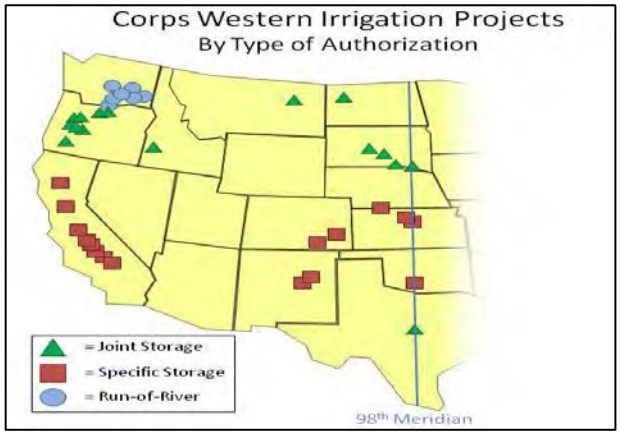

Figure 2. Location of Irrigation Projects

From observation of **Table 15** and **Figure 2**, it is obvious that the type of authorization differs by the region of the country and river basin. The projects in the Missouri, Middle Snake, Willamette Rivers and other river basins in Oregon are authorized for joint storage. Note that, at the scale of this figure, not all authorized Willamette projects are identified distinctly. The projects in the Lower Snake and the Columbia River Basins are run-of-river projects. Projects in the rest of the West are authorized with specific storage with the exception of the Belton project in Texas that is authorized for joint storage.

3. Detailed Project Data. For the M&I database the detailed project data was developed on an agreement level. For the irrigation data, however, the information can only be collected on a project level. This is because the Corps has very little information on the individual agreements as they are administered by the Bureau of Reclamation. The data we did collect on a project basis, in addition to that noted in **Table 15**, was the public law that authorized the project or river basin as well as the public law that authorized irrigation in the project, the project completion date and the total project storage and total project cost, and storage space and costs for the irrigation portion of the project. This latter deviates significantly if the project is classified as a joint project, specific project or a run-of-the river project. For joint storage projects we also captured the project purposes that share the joint storage space with irrigation. This detailed project data is not expected to change unless legislation or project studies under standing authorities direct changes in project operations.

4. Variable Annual Data. Unlike the detailed project data, it is anticipated that the majority of this variable data will change yearly. The variable annual data presented in this report was collected in 2012. Four parameters were identified for this category.

a. Total Annual O&M Billed to Irrigation. Operation and maintenance costs attributable to irrigation are reimbursable to the U.S. Treasury by arrangements spelled out in the various irrigation agreements between the Bureau of Reclamation and the local irrigator. In most cases

the billing and receiving of the O&M money is between the Bureau, the irrigator and the Treasury. The Corps does not know the exact money returned to the Treasury, so the annual O&M value in these cases reflects the value billed to the Bureau by the Corps. An exception to this normal cost collection procedure takes place with five projects in the Sacramento District. For these projects, the Corps bills the irrigator directly and receipts are returned to the Corps for deposit in the Treasury.

b. Average Yearly Flow Released for Irrigation. Depending upon the location of the project and the various rainfall, snowmelt and hydrologic features of the project, the flow released for irrigation purposes can vary drastically among projects and from year to year. The flow reported is an average flow released from the project over a 12-month period. This reporting period can vary from project to project.

c. Number of Irrigation Agreements. The number of irrigation agreements varies widely. Some projects have only one or two agreements and other projects have many. These numbers are provided by the Bureau of Reclamation.

d. Number of Acres Irrigated. The number of acres irrigated is also provided to the Corps by the Bureau of Reclamation.

5. District Summary. All of the above project and variable annual data is provided on a project basis in **Annex II**. A summary of the data on joint and specific projects is provided in **Tables 16 and 17**. The run-of- river projects report only the basic project data as there is no storage space, storage costs or annual data to be collected. The five run-of-river projects in Walla Walla District have a total original project cost of $1,222,600,000, and the two projects in Portland District have a total original project cost of $1,199,900,000.

6. District Specific Remarks. As shown in **Annex II**, the irrigation project and annual data do not tell the complete story for these projects. Numerous remarks are provide in the annex and are summarized below by district.

a. Omaha. Costs for the six Missouri mainstem projects are based on the Missouri Mainstem Reservoir System Allocation of Costs dated 22 December 1958. While there is some irrigation use out of these reservoirs, there are no irrigation agreements nor is usage measured.

b. Walla Walla. For the one project with joint storage space, there is no approved cost allocation and therefore no first cost assigned to the joint storage space. For the district's five run-of-river projects, there are no costs associated with or assigned to irrigation. While some irrigation is possibly being performed out of these projects, usage is not measured.

c. Portland. The district has two projects that are re-regulation dams for hydroelectric power. Basic project data for these re-regulation projects are included, but there are no costs associated with or assigned to irrigation. The Portland district also has two run-of-river projects. At these projects there are also no costs associated with or assigned to irrigation and while there may be some irrigation being performed, there are no agreements and usage is not measured.

Table 16. District Summary of Storage and Costs for Joint and Specific Storage Projects

Basic Project Data			Joint Storage Projects		Specific Storage Projects	
Number of Projects (Joint / Specific Storage)	**Total Project Storage Space (MAF)**	**Total Project First Cost ($M)**	**Storage Space (MAF)**	**First Cost Assigned to Irrigation ($M)**	**Storage Space (MAF)**	**First Cost Assigned to Irrigation ($M)**
Omaha (6 / 0)	73.333	1,153.8	68.663	147.922		
Walla Walla (1 / 0)	0.307	19.7	0.280	N/A		
Portland (14 / 0)	3.055	873,3	1.981	583.828		
Kansas City (0 / 3)	2.016	84.7			0.538	11.529
Sacramento (0 / 8)	2.566	188.8			2.293	31.957
Albuquerque (0 / 5)	2.255	138.3			0.808	6.436
Ft. Worth (1 / 0)	1.098	17.2	0.045	0.087		
Tulsa (0 / 1)	0.3	66.9			0.018	4.166
TOTALS: 8 Districts (22 Joint / 17 Specific)	**84.930**	**2,540.7**	**70.969**	**731.831**	**3.657**	**54.088**

Table 17. District Summary of 2012 Annual Data for Joint and Specific Storage Projects

Number of Projects (Joint / Specific Storage)	Total Annual O&M Cost Billed to Irrigation ($)	Average Yearly Flow Released for Irrigation (AF/Y)	Number of Irrigation Agreements	Number of Acres Irrigated
Omaha (6 / 0)	0	0	0	0
Walla Walla (1 / 0)	163,340	71,018	20	48,000
Portland (14 / 0)	3,053,107	60,369	502	33,283
Kansas City (0 / 3)	186,449	0	2	62,900
Sacramento (0 / 8)	1,425,562	134,700	8	2,073,592
Albuquerque (0 / 5)	158,204	271,125	1	216,098
Ft. Worth (1 / 0)	0	0	0	0
Tulsa (0 / 1)	0	0	0	0
TOTALS: 8 Districts (22 Joint / 17 Specific)	**4,986,662**	**537,212**	**533**	**2,433,873**

d. Kansas City. Variable annual data is reported for only one of the three projects. For the other two projects the storage is not being used for irrigation nor is it expected to be in the foreseeable future.

e. Sacramento. For these five projects, the annual operation and maintenance payments billed to the irrigator by the Bureau are returned to directly to the Corps for deposit into the U.S. Treasury: New Hogan Lake, Pine Flat Lake, Lake Kaweah, Success Lake and Lake Isabella.

f. Albuquerque. Four of the five projects operate under various memoranda of understanding between the Corps and other agencies and sponsors.

g. Ft. Worth. The district has only one project with irrigation. At this project there are 45,000 acre-feet allocated for either irrigation or municipal and industrial water uses. Costs for this storage space are not available. Neither municipal and industrial nor irrigation users are currently utilizing the 45,000 acre-feet of storage space.

7. Specific Authorizing Laws. Public Laws authorizing irrigation at Corps projects date back to 1936, with most projects constructed in the 1940's and 1950's. The public laws, the generic name of these laws and the purpose of these authorizations relative to the Corps projects in this report are provided in **Table 18**.

Table18. Public Laws Authorizing Irrigation Projects and/or the Irrigation Purpose

Public Law	Name	Project or Basin Authorization	Authority for Irrigation
74-738	Flood Control Act of 1936	X	X
75-761	Flood Control Act of 1938	X	
78-534	Flood Control Act of 1944	X	X
79-14	River & Harbor Act of 1945	X	X
79-525	River & Harbor Act of 1946	X	
79-526	Flood Control Act of 1946	X	X
81-516	Flood Control Act of 1950	X	X
83-780	Flood Control Act of 1954	X	
84-505	Urgent Deficiency Appropriations Act of 1956		X
85-500	Flood Control Act of 1958	X	
87-874	Flood Control Act of 1962	X	X
88-253	River Basin Plans Appropriation, 1963	X	
89-298	Flood Control Act of 1968	X	
94-423	1976 Authorization of Federal Reclamation Projects		X

8. Value to the Nation. The value to the nation of our M&I water supply projects has been estimated by the possible yield from each of our water supply agreements, from revenues returned to the U.S. Treasury versus the costs to collect, and the percentage that each user has repaid of its assigned initial investment cost. That is not possible with our irrigation projects where information is only collected on a project basis and is provided almost entirely from the Bureau of Reclamation. The following parameters are used in this report to estimate value.

a. Storage Space. There are 38 Corps multipurpose projects in the western states that contain storage space for irrigation water supply. Of these projects, 22 contain 71 million acre-feet of joint-use storage space with an assigned cost for this storage of $732 million. The remaining 16 projects contain 3.6 million acre-feet of specific irrigation storage with an assigned cost of $54.1 million.

b. Associated Operation and Maintenance Expense. The total annual operation and maintenance cost billed to the Bureau of Reclamation is $5.0 million.

c. Average Yearly Flow. The total average yearly flow released for irrigation is 527,339 acre-feet per year.

d. Irrigation Agreements. In our 38 Western Corps of Engineers projects where irrigation is included as a purpose, there are 533 irrigation agreements reported by the Bureau of Reclamation with local irrigators.

e. Irrigated Farm Land. Also reported by USBR, there are 2.4 million acres of farm land irrigated by water stored in these Corps projects.

f. Additional Not Quantified Value.

(1) The vast majority (97%) of the storage space in the Corps' Western reservoir projects for joint use, one purpose of which is irrigation, is contained in the Omaha district's six Missouri mainstem reservoirs. The Missouri River Master Manual revised in 2004 and amended in 2006 shows a total of 891 irrigation intakes from these lakes, of which 199 are on tribal reservation land. As none of this water is under an irrigation repayment agreement, however, this report does not estimate the value of its use.

(2) There are seven projects in the Pacific Northwest which authorize irrigation as a purpose on a "run-of-river" basis. At this time, as there are no storage or costs assigned to irrigation from these projects, nor are there irrigation agreements, this report does not estimate the value of its use.

9. Irrigation Outside 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, three 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 multi-purpose project was first authorized by the 1948 Flood Control Act (PL 80-858) and has evolved to include flood control, municipal, industrial and agricultural water supply, prevention of saltwater intrusion, environmental flows 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, Native American 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.

b. Grand Prairie, Arkansas. Another authorized project in the East with irrigation as a purpose is the Grand Prairie, AR Area Demonstration Project. The project, authorized by WRDA 1966 (PL 104-303), is based on a comprehensive water management plan designed to protect groundwater aquifers in the area. The project would allow the continued irrigation of current agricultural crops and reduce further depletion of groundwater aquifers, while continuing to provide critical habitat for the millions of waterfowl which annually migrate through the region. The project would utilize excess surface 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 would supply a portion of the total irrigation needs. There are no standard water supply agreements, but the project is cost-shared between the Federal Government and the local sponsor. Additional information on the project is at: http://www.mvm.usace.army.mil/Missions/Projects/GrandPrairieAreaDemonstrationProject.aspx

c. Bayou Meto Basin, Arkansas. The Bayou Meto Basin project, AR, is similar to the Grand Prairie Demonstration in that the project would also address the problems of depletion of groundwater aquifers. The project consists of a pumping station located on the White River, a network of new canals, existing channels, pipelines, and associated channel structures to provide surface water to the water depleted areas. Other project components include on-farm storage reservoirs, conservation measures, and environmental restoration and enhancement measures. The project will provide for aquifer protection, agricultural water supply, groundwater conservation, and fish and wildlife restoration and enhancement. Additional information on the project is at: http://www.mvm.usace.army.mil/Missions/Projects/BayouMetoBasinProject.aspx

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MSC	District	Project	Yield (MGD)	Storage Space (acre-feet)
North Atlantic	New England	Colebrook, CT	116.3	50,200
		Littleville, MA	17.5	9,400
	Philadelphia	Beltzville, PA	42.0	27,880
		Blue Marsh, PA	35.5	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			**451.3**	**167,435**
South Atlantic	Wilmington	B. Evert Jordan, NC	100.0	45,800
		Falls Lake, NC	66.0	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			**471.3**	**209,623**
Lakes and Rivers	Huntington	Alum Creek lake, OH	40.0	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 Jennings 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
		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
	Nashville	Center Hill Lake, TN	23.6	7,880
		Dale Hollow Lake, TN & KY	2.2	2,211
		J. Percy Priest Dam & Lake, TN	63.3	17,311
		Laurel River Lake, KY	4.3	1,105
(LRD continued on next page)				

MSC	District	Project	Yield (MGD)	Storage Space (acre-feet)
(LRD continued)				
	Pittsburgh	Berlin Lake, OH	15.0	6,260
		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			**611.8**	**611,113**
Mississippy 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	16.0	20,000
		Lake Shelbville, IL	17.0	24,714
		Rend Lake, IL	70.0	109,000
	Vicksburg	Blakey Mt. 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	16.7	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, MO	7.1	24,400
		Melvern Lake, KS	7.2	50,000
		Milford Lake, KS	111.0	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			**433.1**	**1,014,153**

MSC	District	Project	Yield (MGD)	Storage Space (acre-feet)
South Pacific	Albuquerque	Abiquiu, NM	0.0	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			**258.7**	**565,000**
Southwestern	Little Rock	Beaver Lake, AR	132.5	160,148
		Blue Mountain Lake, AR	2.0	1,550
		Bull Shoals Lake, AR	8.0	12,613
		Dardanell Lake, AR	0.0	0
		DeQueen Lake, AR	22.0	17,885
		Dierks Lake, AR	13.3	10,100
		Gillham Lake, AR	41.8	20,600
		Greers Ferry Lake, AR	25.6	31,308
		Millwood Lake, AR	265.0	150,000
		Nimrod Lake, AR	0.3	143
		Norfork Lake, AR	3.0	2,400
	Total SWL		**513.5**	**406,747**
	Fort 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	89.8	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	20.7	161,250
		Hords Creek, TX	1.1	5,780
		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
		North Sam Gabriel Dam/ Lake Georgetown, TX	10.3	29,200
		O. C. Fisher Lake, TX	3.6	78,793
		Proctor Lake, TX	13.9	31,400
		Ray Roberts Lake, TX	112.5	799,600
		Sam Rayburn Dam & Reservoir, TX	1,328.7	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
		Wrightman Patman Lake, TX	50.0	76,663
	Total SWF		**2,534.9**	**4,120,112**
(SWD continued on next page)				

MSC	District	Project	Yield (MGD)	Storage Space (acre-feet)
(SWD continued)				
	Tulsa	Arcadia Lake, OK	11.0	23,090
		Birch Lake, OK	3.0	7,630
		Broken Bow Lake, OK	170.3	152,440
		Canton Lake, OK	4.6	90,000
		Copan Lake, OK	2.0	7,500
		Council Grove, OK	6.7	32,400
		Denison Dam/ Lake Texoma, OK & TX	292.5	300,001
		El Dorado, KS	11.0	142,800
		Elk City, KS	12.2	34,300
		Eufaula Lake, OK	51.0	56,909
		Heyburn, OK	1.7	2,000
		Hugo 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	342,600
		Pat Mayse Lake, OK	55.0	109,600
		Pearson - Skubitz Dam/ 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 Lake, OK	12.2	25,853
		Toronto Lake, KS	0.0	400
		Waurika Lake, OK	36.2	151,400
		Wister Lake, OK	19.5	13,819
	Total SWT		**1,354.5**	**2,261,642**
TOTAL SWD			**4,402.9**	**6,788,501**
NATIONAL TOTAL			**6,933.8**	**9,801,935**

Water Supply Reallocations by Agreement:
Storage Space and Cost

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
NAD	NAB	Cowanesque Lake, PA	Susquehanna RBC	1986	25,600	39,414,000
		Curwensville Lake, PA	Susquehanna RBC	1994	5,360	6,934,000
	Total	**2 projects**	**2 agreements**	**(86 - 94)**	**30,960**	**46,348,000**
TOTAL		**2 projects**	**2 agreements**		**30,960**	**46,348,000**
SAD	SAW	John H. Kerr, VA	Virginian Beach	1984	10,200	2,275,685
			VA Dep of Corr.	1989	23	5,075
			Mecklenburg Cogeneration	1991	600	150,421
			City of Henderson	2006	10,292	2,375,336
	Total	**1 project**	**4 agreements**	**(84 - 06)**	**21,115**	**4,806,517**
	SAS	Hartwell, GA & SC	Anderson Co. Joint Municipal Water System	1967	24,620	3,477,700
			City of Lavonia	1990	127	21,447
			Hart County	1998	1,827	356,867
		J Strom Thurmond, GA & SC	City of Lincolnton	1964	92	15,000
			City of Washington	1975	632	72,800
			Savannah Valley Auth.	1989	92	27,395
			Columbia County	1989	1,056	313,048
			Town of McCormick	1999	506	17,357
			City of Lincolnton	1990	83	24,608
			City of Thompson	1990	1,056	334,714
			Town of McCormick	2001	316	66,499
		Richard B Russell, GA & SC	SC Public Service Auth.	2001	491	1,615,243
			City of Elberton	1990	381	419,658
	Total	**3 projects**	**13 agreements**	**(64-01)**	**31,279**	**6,762,336**
	SAM	Allatoona, GA	Cobb Co. - Marietta Water Auth.	1963	13,140	1,168,440
			City of Cartersville	1966	1,996	396,218
			City of Cartersville	1991	4,375	1,655,723
		Carters, GA	City of Chatsworth	1991	818	617,449
	Total	**2 projects**	**4 agreements**	**(63 - 91)**	**20,329**	**3,837,830**
TOTAL		**6 projects**	**21 agreements**	**(63-06)**	**72,723**	**15,406,683**

Water Supply Reallocations by Agreement:
Storage Space and Cost

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
LRD	LRH	Grayson Lake, KY	Rattlesnake Ridge	2000	30	21,930
			Rattlesnake Ridge	2000	2,508	10,098
		John W. Flannagan Dam & Reservoir, VA	John Flannagan Water Auth	2004	3,360	162,983
		Paintsville Lake, KY	Paintsville Utilities	2010	3,129	4,774,940
		Summersville Lake, WV	City of Summerville	2001	468	60,828
		4 projects	**5 agreements**	**(00-10)**	**9,495**	**5,030,779**
	LRL	Carr Creek Lake, KY	Carr Creek Water Comm.	2006	2,052	305,563
		Cave Run Lake, KY	Cave Run Water Comm.	2003	538	72,896
			City of West Liberty	1996	264	30,360
		Green River Lake, KY	City of Columbia	1992	855	88,065
		Rough River Lake, KY	Hardinsburg	1978	150	17,781
			Grayson County WD	2002	252	34,934
	Total	**4 projects**	**6 agreements**	**(78-06)**	**4,111**	**549,599**
	LRN	Center Hill Lake, TN	Cookeville	2003	6,680	2,816,877
			Smithville	2003	401	54,536
			DeKalb Utility District	2010	668	783,585
		Dale Hollow Lake, TN & KY	City of Byrdstown	2005	1,841	372,716
			Commonwealth of Kentucky	2005	368	176,532
			Trooper Island	2004	2	916

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
LRD	LRN	J. Percy Priest Dam & Reservoir, TN	LaVergne	2003	2,733	1,818,550
			Murfreesboro	2003	5,084	3,051,429
			Consolidated Utility	2003	3,007	1,804,609
			Consolidated Utility	2003	1,367	820,277
			YMCA of Middle TN	2003	22	16,638
			Cedar Crest Golf Ventures, LLD.	2004	96	75,951
			Town of Smyrna	2008	5,002	2,350,000
		Laurel River Lake, KY	Laurel Co. Water Dist.	2005	519	166,847
			City of Barbourville	2009	415	1,291,299
			City of Barbourville	2011	171	612,310
	Total	**4 projects**	**16 agreements**	**(03-11)**	**28,376**	**16,213,072**
	LRP	Youghioghent Lake, PA	Muni. Auth. Of Westmoreland County	2010	2,950	2,557,949
	Total	**1 project**	**1 agreement**	**2010**	**2,950**	**2,557,949**
TOTAL		**13 projects**	**29 agreements**	**(78 - 10)**	**44,932**	**24,351,399**
MVD	MVK	Blakey Mt, Dam, Lake Ouachita	N. Garland County Reg. WD (1996)	1996	1,575	110,751
		Enid, MS	LSP Energy Limited	1998	4,500	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	44,006
			Henry Co. PWSD #2	1997	111	35,506
		Kanopolis, KS	Kansas Water Office	2002	12,500	4,181,167
		Melvern Lake, KS	State of Kansas	1994	50,000	7,094,009
		Pomona Lake, KS	State of Kansas	1995	14,324	2,241,736
			State of Kansas	1995	18,176	2,902,993
		Rathbun Lake, IA	Rathbun Regional Water Ass., Inc. (RRWA)	1986	3,340	331,019
			RRWA	1989	3,340	498,916
		Stockton Lake, MO	City of Springfield	1992	25,000	4,796,426
		Tuttle Creek Lake, KS	Kansas Water Office	1990	27,500	1,876,784
			Kansas Water Office	1994	8,650	648,831
			Kansas Water Office	1996	13,850	1,090,378
	Total	**7 projects**	**12 agreements**	**(86 - 02)**	**176,963**	**25,741,771**
TOTAL		**7 projects**	**12 agreements**	**(86 - 02)**	**176,963**	**25,741,771**

Water Supply Reallocations by Agreement:
Storage Space and Cost

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
SWD	SWL	Beaver Lake, AR	Carroll-Boone Water District	1977	9,000	742,000
			Madison Co., Water District	1992	3,882	482,991
			Benton/Washington Co. Water District	1996	8,113	1,097,137
			Beaver Water Dist.	2006	28,757	0
			Carrol-Boone Water Dist.	2006	2,396	0
		Blue Mountain Lake, AR	City of Danville	2005	1,550	226,021
		Bull Shoals Lake, AR	Marion Co. Water District	1988	880	84,979
			Marion Co. Water District	2010	1,698	280,861
			Ozark Mrt. R. Public Water Auth.	2010	10,035	1,659,777
		Greers Ferry Lake, AR	Tannebaum Golf Course	1998	90	11,072
			Clinton Water District	1970	900	81,000
			Community Water System	1971	225	20,260
			Community WS Phase 1	1995	3,776	457,804
			Community WS Phase 2	1998	4,283	561,174
			Thunderbird Golf Course	1998	55	6,514
			Red Apple Inn & Country Club	1996	66	8,427
			City of Clinton	2005	2,175	277,423
			Mid AR Water Alliance	2010	18,730	3,557,788
		Nimrod Lake, AR	City of Plainview	1973	33	1,218
			City of Plainview	1995	110	21,967
		Norfork Lake, AR	City of Mountain Home	1969	800	65,467
	Total	**6 projects**	**21 agreements**	**(70 - 10)**	**97,554**	**9,643,880**
	SWF	Sam Rayburn Lake, TX	City of Lufkin, TX	1969	18,000	220,000
		Waco Lake, TX	Brazos River Auth.	1984	47,526	15,242,000
	Total	**2 projects**	**2 agreements**	**(69 - 84)**	**65,526**	**15,462,000**

Water Supply Reallocations by Agreement:
Storage Space and Cost

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
SWD	SWT	Council Grove Lake, KA	State of KS	1996	8,000	723,218
		Denison Dam, L. Texoma, OK & TX	City of Denison, TX	1953	21,300	292,861
			TX Power & Light	1961	16,400	286,353
			Red River Auth. of TX	1969	450	9,100
			Red River Auth. of TX	1983	2,054	364,400
			N. Texas MWD	1985	85,406	16,984,605
			Greater Texoma Utility Auth.	1992	5,500	1,266,081
			Greater Texoma Utility Auth.	1997	5,500	1,407,751
			Commissioner of the Land	2005	275	87,696
			Greater Texoma Utility Auth.	2005	11,600	3,727,060
			Buncombe Creek View Ad	1992	1	248
			N. Texas MWD	2010	100,000	38,830,547
			Greater Texoma Utility Auth.	2010	50,000	19,422,260
			Greater Texoma Utility Auth.	2011	1,515	599,123
		Elk City, KA	State of KS	1996	10,000	1,150,580
		John Redmond, KA	State of KS	1996	10,000	832,485
		Marion, KA	Kansas Water Office	1996	12,500	2,187,785

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
SWD	SWT	Tenkiller Ferry Lake, OK	East Central OK Water Auth.	1964	300	17,700
			Cherokee Co., RWD #2	1967	100	2,020
			Summit Water Inc.	1971	140	4,330
			Paradise Hills, Inc.	1974	220	6,039
			Lake Tenkiller Associates	1980	200	8,722
			L. Reg. Elec. Dev. Coop. Inc.	1989	38	4,157
			Tenkiller Aqua Park	1990	17	2,043
			Gore Public Works Auth.	1990	480	51,831
			Mongold Water System	1990	5	1,167
			L. Reg. Elec. Dev. Coop. Inc.	1991	34	4,261
			Pettit Bay Water Association	1991	5	618
			Fin and Feather Resort	1992	12	1,630
			Sixshooter Water System	1992	2	256
			Billy Joe Stewart	1992	6	775
			Bill Richardson	1992	1	132
			Indian Hills Estates Company	1993	3	402
			J.R. Mosteller	1993	2	268
			L. Reg. Elec. Dev. Coop. Inc.	1994	30	4,350
			L. Reg. Elec. Dev. Coop. Inc.	1994	15	2,166
			Burnt Cabin RWD Inc.	1994	12	1,311
			Sunny Heights Water System	1995	10	1,372
			Tenkiller Development Co.	1995	3	417
			Charles Willige	1996	2	286
			Sequoyah Co. Water Assoc.	1998	2,200	44,400
			RWD #13 Cherokee Co.	2004	132	20,532
			Tahlequah PWA	2005	4,300	723,274
			Stick Ross Mountain Water Co.	2005	584	85,794
			RWD #2, Cherokee Co	2007	99	19,123
			Cherokee Co., RWD #13	2007	100	2,020
			L. Reg. Elec. Dev. Coop. Inc.	2012	371	80,730

Water Supply Reallocations by Agreement:
Storage Space and Cost

MSC	District	Project	User	Date of Agreement	Storage Space (acre-feet)	Agreement Cost ($)
SWD	SWT	Wister, OK	Poteau Valley Improvement Dist	1967	4,800	125,110
			AES Shady Point, Incorporated	1987	7,253	1,963,800
			Heavener Utility Auth [3]	2007	1,766	15,188
	Total	**7 projects**	**50 agreements**	**(53 - 12)**	**363,743**	**91,368,377**
TOTAL		**14 projects**	**73 agreements**	**(53 - 12)**	**526,823**	**116,474,257**
NATIONAL TOTAL		**45 projects**	**138 agreements**	**(53 - 12)**	**858,476**	**229,544,759**
NOTES:						
[1]	NWK & SWT, various projects in KS. 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, Tenkiller Ferry Lake. 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 Lake. A 1963 agreement was terminated and replaced with a modified 2007 agreement.					

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
NAD	NAB	Cowanesque Lake, PA	Susquehanna RBC	1986	Updated Cost	Flood Pool
		Curwensville Lake, PA	Susquehanna RBC	1994	Updated Cost	Conservation
	Total	**2 projects**	**2 agreements**	**(86 - 94)**		
TOTAL		**2 projects**	**2 agreements**			
SAD	SAW	John H. Kerr, VA	Virginian Beach	1984	Updated Cost	Hydro
			VA Dep of Corr.	1989	Updated Cost	Hydro
			Mecklenburg Cogeneration	1991	Updated Cost	Hydro
			City of Henderson	2006	Updated Cost	Hydro
	Total	**1 project**	**4 agreements**	**(84 - 06)**		
	SAS	Hartwell, GA & SC	Anderson Co. Joint Municipal Water System	1967	Benefits Foregone	Hydro
			City of Lavonia	1990	Updated Cost	Hydro
			Hart County	1998	Updated Cost	Hydro
		J Strom Thurmond, GA & SC	City of Lincolnton	1964	Updated Cost	Hydro
			City of Washington	1975	Benefits Foregone	Hydro
			Savannah Valley Auth.	1989	Updated Cost	Hydro
			Columbia County	1989	Updated Cost	Hydro
			Town of McCormick	1999	Benefits Foregone	Hydro
			City of Lincolnton	1990	Updated Cost	Hydro
			City of Thompson	1990	Updated Cost	Hydro
			Town of McCormick	2001	Benefits Foregone	Hydro
		Richard B Russell, GA & SC	SC Public Service Auth.	2001	Benefits Foregone	Hydro
			City of Elberton	1990	Updated Cost	Hydro
	Total	**3 projects**	**13 agreements**	**(64-01)**		
	SAM	Allatoona, GA	Cobb Co. - Marietta Water Auth.	1963	Original Cost	Hydro
			City of Cartersville	1966	Original Cost	Hydro
			City of Cartersville	1991	Updated Cost	Hydro
		Carters, GA	City of Chatsworth	1991	Updated Cost	Hydro
	Total	**2 projects**	**4 agreements**	**(63 - 91)**		
TOTAL		**6 projects**	**21 agreements**	**(63-06)**		

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
LRD	LRH	Grayson Lake, KY	Rattlesnake Ridge	2000	Updated Cost	Not Available
			Rattlesnake Ridge	2000	Updated Cost	Not Available
		John W. Flannagan Dam & Reservoir, VA	John Flannagan Water Auth	2004	Updated Cost	Water Quality
		Paintsville Lake, KY	Paintsville Utilities	2010	Updated Cost	Flood Pool
		Summersville Lake, WV	City of Summerville	2001	Updated Cost	Flood Pool
		4 projects	**5 agreements**	**(00-10)**		
	LRL	Carr Creek Lake, KY	Carr Creek Water Comm.	2006	Revenues Foregone	Not Available
		Cave Run Lake, KY	Cave Run Water Comm.	2003	Replacement Cost	Not Available
			City of West Liberty	1996	Replacement Cost	Not Available
		Green River Lake, KY	City of Columbia	1992	Revenues Foregone	Not Available
		Rough River Lake, KY	Hardinsburg	1978	Replacement Cost	Conservation
			Grayson County WD	2002	Replacement Cost	Conservation
	Total	**4 projects**	**6 agreements**	**(78-06)**		
	LRN	Center Hill Lake, TN	Cookeville	2003	Updated Cost	Hydro
			Smithville	2003	Updated Cost	Hydro
			DeKalb Utility District	2010	Benefits Foregone	Hydro
		Dale Hollow Lake, TN & KY	City of Byrdstown	2005	Benefits Foregone	Hydro
			Commonwealth of Kentucky	2005	Updated Cost	Hydro
			Trooper Island	2004	Updated Cost	Hydro

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
LRD	LRN	J. Percy Priest Dam & Reservoir, TN	LaVergne	2003	Benefits Foregone	Hydro
			Murfreesboro	2003	Updated Cost	Hydro
			Consolidated Utility	2003	Updated Cost	Hydro
			Consolidated Utility	2003	Updated Cost	Hydro
			YMCA of Middle TN	2003	Benefits Foregone	Hydro
			Cedar Crest Golf Ventures, LLD.	2004	Benefits Foregone	Hydro
			Town of Smyrna	2008	Updated Cost	Hydro
		Laurel River Lake, KY	Laurel Co. Water Dist.	2005	Benefits Foregone	Hydro
			City of Barbourville	2009	Updated Cost	Hydro
			City of Barbourville	2011	Updated Cost	Hydro
	Total	**4 projects**	**16 agreements**	**(03-11)**		
	LRP	Youghioghent Lake, PA	Muni. Auth. Of Westmoreland County	2010	Updated Cost	Water Quality
	Total	**1 project**	**1 agreement**	**2010**		
TOTAL		**13 projects**	**29 agreements**	**(78 - 10)**		
MVD	MVK	Blakey Mt, Dam, Lake Ouachita	N. Garland County Reg. WD (1996)	1996	Benefits Foregone	Flood Pool
		Enid, MS	LSP Energy Limited	1998	Benefits Foregone	Conservation
	Total	**2 projects**	**2 agreements**	**(96 - 98)**		
TOTAL		**2 projects**	**2 agreements**	**(96 - 98)**		
NWD	NWK	Harry S Truman Dam & Res., MO	Henry Co. PWSD #3	1994	Updated Cost	Hydro
			Henry Co. PWSD #2	1997	Updated Cost	Hydro
		Kanopolis, KS	Kansas Water Office	2002	Updated Cost	Conservation
		Melvern Lake, KS	State of Kansas	1994	see footnote [1]	Water Quality
		Pomona Lake, KS	State of Kansas	1995	see footnote [1]	Water Quality
			State of Kansas	1995	see footnote [1]	Water Quality
		Rathbun Lake, IA	Rathbun Regional Water Ass., Inc. (RRWA)	1986	Updated Cost	Conservation
			RRWA	1989	Updated Cost	Conservation
		Stockton Lake, MO	City of Springfield	1992	Updated Cost	Multipurpose
		Tuttle Creek Lake, KS	Kansas Water Office	1990	see footnote [1]	Water Quality
			Kansas Water Office	1994	see footnote [1]	Water Quality
			Kansas Water Office	1996	see footnote [1]	Water Quality
	Total	**7 projects**	**12 agreements**	**(86 - 02)**		
TOTAL		**7 projects**	**12 agreements**	**(86 - 02)**		

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
SWD	SWL	Beaver Lake, AR	Carroll-Boone Water District	1977	Updated Cost	Flood Pool
			Madison Co., Water District	1992	Updated Cost	Flood Pool
			Benton/Washington Co. Water District	1996	Updated Cost	Flood Pool
			Beaver Water Dist.	2006	No Cost	
			Carrol-Boone Water Dist.	2006	No Cost	
		Blue Mountain Lake, AR	City of Danville	2005	Updated Cost	Flood Pool
		Bull Shoals Lake, AR	Marion Co. Water District	1988	Updated Cost	Conservation
			Marion Co. Water District	2010	Updated Cost	Hydro
			Ozark Mrt. R. Public Water Auth.	2010	Updated Cost	Hydro
		Greers Ferry Lake, AR	Tannebaum Golf Course	1998	Updated Cost	Flood Pool
			Clinton Water District	1970	Updated Cost	Flood Pool
			Community Water System	1971	Updated Cost	Flood Pool
			Community WS Phase 1	1995	Updated Cost	Flood Pool
			Community WS Phase 2	1998	Updated Cost	Flood Pool
			Thunderbird Golf Course	1998	Updated Cost	Flood Pool
			Red Apple Inn & Country Club	1996	Updated Cost	Flood Pool
			City of Clinton	2005	Updated Cost	Not Available
			Mid AR Water Alliance	2010	Updated Cost	Flood Pool
		Nimrod Lake, AR	City of Plainview	1973	Updated Cost	Conservation
			City of Plainview	1995	Updated Cost	Conservation
		Norfork Lake, AR	City of Mountain Home	1969	Original Cost	Conservation
	Total	**6 projects**	**21 agreements**	**(70 - 10)**		
	SWF	Sam Rayburn Lake, TX	City of Lufkin, TX	1969	Original Cost	Flood Pool
		Waco Lake, TX	Brazos River Auth.	1984	Updated Cost	Not Available
	Total	**2 projects**	**2 agreements**	**(69 - 84)**		

Water Supply Reallocations by Agreement:
Method Used to Determine Cost and Source of Reallocation

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
SWD	SWT	Council Grove Lake, KA	State of KS	1996	see footnote [1]	Water Quality
		Denison Dam, L. Texoma, OK & TX	City of Denison, TX	1953	Original Cost	Hydro
			TX Power & Light	1961	Original Cost	Hydro
			Red River Auth. of TX	1969	Original Cost	Hydro
			Red River Auth. of TX	1983	Updated Cost	Hydro
			N. Texas MWD	1985	Updated Cost	Hydro
			Greater Texoma Utility Auth.	1992	Updated Cost	Hydro
			Greater Texoma Utility Auth.	1997	Updated Cost	Hydro
			Commissioner of the Land	2005	Updated Cost	Hydro
			Greater Texoma Utility Auth.	2005	Updated Cost	Hydro
			Buncombe Creek View Ad	1992	Updated Cost	Hydro
			N. Texas MWD	2010	Updated Cost	Hydro
			Greater Texoma Utility Auth.	2010	Updated Cost	Hydro
			Greater Texoma Utility Auth.	2011	Updated Cost	Hydro
		Elk City, KA	State of KS	1996	see footnote [1]	Water Quality
		John Redmond, KA	State of KS	1996	see footnote [1]	Water Quality
		Marion, KA	Kansas Water Office	1996	see footnote [1]	Water Quality

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
SWD	SWT	Tenkiller Ferry Lake, OK	East Central OK Water Auth.	1964	see footnote [2]	Flood Pool
			Cherokee Co., RWD #2	1967	see footnote [2]	Flood Pool
			Summit Water Inc.	1971	see footnote [2]	Flood Pool
			Paradise Hills, Inc.	1974	see footnote [2]	Flood Pool
			Lake Tenkiller Associates	1980	see footnote [2]	Flood Pool
			L. Reg. Elec. Dev. Coop. Inc.	1989	Updated Cost	Flood Pool
			Tenkiller Aqua Park	1990	Updated Cost	Flood Pool
			Gore Public Works Auth.	1990	Updated Cost	Flood Pool
			Mongold Water System	1990	Updated Cost	Flood Pool
			L. Reg. Elec. Dev. Coop. Inc.	1991	Updated Cost	Flood Pool
			Pettit Bay Water Association	1991	Updated Cost	Flood Pool
			Fin and Feather Resort	1992	Updated Cost	Flood Pool
			Sixshooter Water System	1992	Updated Cost	Flood Pool
			Billy Joe Stewart	1992	Updated Cost	Flood Pool
			Bill Richardson	1992	Updated Cost	Flood Pool
			Indian Hills Estates Company	1993	Updated Cost	Flood Pool
			J.R. Mosteller	1993	Updated Cost	Flood Pool
			L. Reg. Elec. Dev. Coop. Inc.	1994	Updated Cost	Flood Pool
			L. Reg. Elec. Dev. Coop. Inc.	1994	Updated Cost	Flood Pool
			Burnt Cabin RWD Inc.	1994	Updated Cost	Flood Pool
			Sunny Heights Water System	1995	Updated Cost	Flood Pool
			Tenkiller Development Co.	1995	Updated Cost	Flood Pool
			Charles Willige	1996	Updated Cost	Flood Pool
			Sequoyah Co. Water Assoc.	1998	see footnote [2]	Flood Pool
			RWD #13 Cherokee Co.	2004	Updated Cost	Flood Pool
			Tahlequah PWA	2005	Updated Cost	Flood Pool
			Stick Ross Mountain Water Co.	2005	Updated Cost	Flood Pool
			RWD #2, Cherokee Co	2007	Updated Cost	Flood Pool
			Cherokee Co., RWD #13	2007	see footnote [2]	Flood Pool
			L. Reg. Elec. Dev. Coop. Inc.	2012	Updated Cost	Flood Pool

Water Supply Reallocations by Agreement:
Method Used to Determine Cost and Source of Reallocation

MSC	District	Project	User	Date of Agreement	Method Used to Determine Cost of Storage	Reallocation Source
SWD	SWT	Wister, OK	Poteau Valley Improvement Dist	1967	Original Cost	Flood Pool
			AES Shady Point, Incorporated	1987	Updated Cost	Flood Pool
			Heavener Utility Auth [3]	2007	Original Cost	Flood Pool
	Total	**7 projects**	**50 agreements**	**(53 - 12)**		
TOTAL		**14 projects**	**73 agreements**	**(53 - 12)**		
NATIONAL TOTAL		**45 projects**	**138 agreements**	**(53 - 12)**		
NOTES:						
[1]	NWK & SWT, various projects in KS. 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, Tenkiller Ferry Lake. 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 Lake. A 1963 agreement was terminated and replaced with a modified 2007 agreement.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs and Remaining Principal by Agreement

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

North Atlantic Division		NAD WS Agreement Data			
		Agreement			
Project	User	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	17.50	2.742
		Conduit	1967	0.00	2.742
2 projects	**2 agreements**			**133.80**	
Philadelphia					
Beltzville, PA	Delaware RBC	Original	1980	42.00	3.222
		Conduit	1980	0.00	3.222
Blue Marsh, PA	Delaware RBC	Original	1971	35.50	3.502
2 projects	**2 agreements**			**77.50**	
Baltimore					
Cowanesque, PA	Susquehanna RBC	Reallocated	1986	70.00	7.690
Curwensville, PA	Susquehanna RBC	Reallocated	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**			**451.30**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

North Atlantic Division		NAD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				Project WS Storage Space (acre-feet)
Project	User	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	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**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

North Atlantic Division		NAD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
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	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**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

North Atlantic Division		NAD Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District / MSC Percent
New England					
Colebrook, CT	Hartford Metro Dist.	1,265,816	0	1,265,816	
Littleville, MA	City of Springfield	0	0	0	
		0	0	0	
2 projects	**2 agreements**	**1,265,816**	**0**	**1,265,816**	**16%**
Philadelphia					
Beltzville, PA	Delaware RBC				
		3,130,849	0	3,130,849	
Blue Marsh, PA	Delaware RBC	8,531,363	0	8,531,363	
2 projects	**2 agreements**	**11,662,212**	**0**	**11,662,212**	**54%**
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.	45,528,554	0	45,528,554	
3 projects	**3 agreements**	**45,528,554**	**0**	**45,528,554**	**41%**
Division Summary	**7 projects / 7 agreements**	**58,456,582**	**0**	**58,456,582**	**41%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Atlantic Division		SAD Agreement Data			
		Agreement			
Project	User	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	66.00	3.649
John H. Kerr, VA	Virginia 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	4.250
W. Kerr Scott, NC	County of Wilkes & City of Winston-Salem	Original	1960	150.00	2.699
4 projects	**7 agreements**			**357.04**	
Savannah					
Hartwell, GA & SC	Anderson Co. Joint Municipal	Reallocated	1967	35.02	N/A
	City of Lavonia	Reallocated	1990	0.18	8.250
	Hart County	Reallocated	1998	2.60	6.750
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	9.250
	City of Lincolnton	Reallocated	1990	0.26	9.250
	City of Thompson	Reallocated	1990	3.35	8.250
	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**			**471.22**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Atlantic Division		SAD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				Project WS Storage Space (acre-feet)
Project	User	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	Virginia 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	Anderson Co. Joint Municipal	24,620	0	0	24,620	
	City of Lavonia	127	0	0	127	
	Hart County	1,827	0	0	1,827	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**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Atlantic Division		SAD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
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	Virginia 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	Anderson Co. Joint Municipal	3,477,700	0	0	3,477,700	
	City of Lavonia	21,447	0	0	21,447	
	Hart County	356,867	0	0	356,867	3,856,014
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**	**6,762,336**	**0**	**0**	**6,762,336**	**6,762,336**
Mobile						
Allatoona, GA	Cobb Co. - Marietta Water Auth.	1,168,440	0	0	1,168,440	
	City of Cartersville	396,218	0	0	396,218	
	City of Cartersville	1,655,723	0	0	1,655,723	3,220,381
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**	**5,130,131**	**0**	**0**	**5,130,131**	**5,130,131**
Division Summary	**10 projects / 25 agreements**	**35,147,822**	**0**	**0**	**35,147,822**	**35,147,822**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Atlantic Division		SAD Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District / MSC Percent
Wilmington					
B. Everett Jordan, NC	State of NC	143,177	0	143,177	
Falls Lake, NC	City of Raleigh	8,599,785	0	8,599,785	
John H. Kerr, VA	Virginia Beach	0	0	0	
	VA Dep of Corr.	0	0	0	
	Mecklenburg Cogeneration	0	0	0	
	City of Henderson	1,726,419	0	1,726,419	
W. Kerr Scott, NC	County of Wilkes & City of Winston-Salem	162,161	0	162,161	
4 projects	**7 agreements**	**10,631,542**	**0**	**10,631,542**	**45.7%**
Savannah					
Hartwell, GA & SC	Anderson Co. Joint Municipal	17,200	0	17,200	
	City of Lavonia	0	0	0	
	Hart County	0	0	0	
J Strom Thurmond, GA & SC	City of Lincolnton	900	0	900	
	City of Washington	0	0	0	
	Savannah Valley Auth.	0	0	0	
	Columbia County	0	0	0	
	City of Lincolnton	8,399	0	8,399	
	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**	**26,499**	**0**	**26,499**	**0.4%**
Mobile					
Allatoona, GA	Cobb Co. - Marietta Water Auth.	450,199	0	450,199	
	City of Cartersville	0	0	0	
	City of Cartersville	645,437	0	645,437	
Carters, GA	City of Chatsworth	0	0	0	
Okatibbee, MS	Pat Harrison WS Dist.	193,297	0	193,297	
3 projects	**5 agreements**	**1,288,933**	**0**	**1,288,933**	**25.1%**
Division Summary	**10 projects / 25 agreements**	**11,946,974**	**0**	**11,946,974**	**34.0%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD WS Agreement Data			
		Agreement			
Project	User	Type	Date	Yield (MGD)	Interest Rate (%)
Huntington					
Alum Creek Lake, OH	State of Ohio	Original	1968	15.000	3.256
		Activate Future	1978	25.000	3.256
Grayson Lake, KY	Rattlesnake Ridge	Reallocated	1989	1.500	10.250
	Rattlesnake Ridge	Reallocated	2000	6.000	6.625
John W. Flannagan, VA	John Flannagan Water Auth.	Reallocated	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	Reallocated	2001	4.000	5.875
Tom Jennings Dam, OH	State of Ohio	Original	1955	8.000	N/A
8 projects	**9 agreements**			**79.800**	
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 Indiana	Original	1965	82.500	3.137
Caesar Creek Lake, OH	State of Ohio	Original	1970	37.000	3.253
Carr Creek Lake, KY	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 Ohio	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
	DeKalb Utility District	Reallocated	2010	2.000	4.375
	N. Alabama Bank	Surplus	2013	0.390	N/A
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
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD WS Agreement Data			
		Agreement			
Project	User	Type	Date	Yield (MGD)	Interest Rate (%)
Nashville (continued)					
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	Paid up front
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
4 projects	**18 agreements**			**93.372**	
Pittsburgh					
Berlin Lake, OH	***Not Under Contract [3]***	***Original***	***N/A***	***15.000***	3.000
		Conduit	***N/A***	***0.000***	***N/A***
Mosquito Creek Lake, OH	City of Warren	Original	1999	16.000	3.000
Stonewall Jackson Lake, WV	***Not Under Contract [4]***	***Original***	***N/A***	***3.600***	***7.000***
Tygart, WV	City of Grafton **[5]**	Original	1941	1.900	3.000
Youghiogheny River Lake, PA	Municipal Auth. of Westmoreland County **[6]**	Reallocated	2010	5.000	4.125
5 projects	**3 agreements**			**41.500**	
Division Total	**28 projects / 46 agreements**			**611.772**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as					
[3] LRP, Berlin Lake. 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.					
[4] LRP, Stonewall Jackson Lake. City of Weston, WV indicated an interest in an agreement when project originally proposed, but did not proceed with the agreement.					
[5] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd at no cost in return for donated real estate.					
[6] 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.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
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 Ohio	29,700	0	0	29,700	
		49,500	0	0	49,500	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 Summerville	468	0	0	468	468
Tom Jennings Dam, OH	State of Ohio	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 Indiana	89,300	0	0	89,300	89,300
Caesar Creek Lake, OH	State of Ohio	39,100	0	0	39,100	39,100
Carr Creek Lake, KY	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 Ohio	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	
	DeKalb Utility District	668	0	0	668	
	N. Alabama Bank	131	0	0	131	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
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				Project WS Storage Space (acre-feet)
Project	User	Present	Future	Not Under Contract	Total	
Nashville (continued)						
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
4 projects	**18 agreements**	**28,507**	**0**	**0**	**28,507**	**28,507**
Pittsburgh						
Berlin Lake, OH	***Not Under Contract [3]***	***0***	***0***	***6,260***	***6,260***	
		0	***0***	***0***	***0***	***6,260***
Mosquito Creek Lake, OH	City of Warren	11,000	0	0	11,000	11,000
Stonewall Jackson Lake, WV	***Not Under Contract [4]***	***0***	***0***	***2,200***	***2,200***	***2,200***
Tygart, WV	City of Grafton **[5]**	2,240	0	0	2,240	2,240
Youghiogheny River Lake, PA	Municipal Auth. of Westmoreland County **[6]**	2,950	0	0	2,950	2,950
5 projects	**3 agreements**	**16,190**	**0**	**8,460**	**24,650**	**24,650**
Division Total	**28 projects / 46 agreements**	**602,653**	**0**	**8,460**	**611,113**	**611,113**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as						
[3] LRP, Berlin Lake. 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.						
[4] LRP, Stonewall Jackson Lake. City of Weston, WV indicated an interest in an agreement when project originally proposed, but did not proceed with the agreement.						
[5] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd at no cost in return for donated real estate.						
[6] 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.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
Huntington						
Alum Creek Lake, OH	State of Ohio	6,847,538	0	0	6,847,538	
		11,412,563	0	0	11,412,563	18,260,101
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 Summerville	60,828	0	0	60,828	60,828
Tom Jennings Dam, OH	State of Ohio	785,000	0	0	785,000	785,000
8 projects	**9 agreements**	**24,373,156**	**0**	**0**	**24,373,156**	**24,373,156**
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 Indiana	5,693,000	0	0	5,693,000	5,693,000
Caesar Creek Lake, OH	State of Ohio	5,628,800	0	0	5,628,800	5,628,800
Carr Creek Lake, KY	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 Ohio	3,944,200	0	0	3,944,200	3,944,200
11 projects	**16 agreements**	**29,562,632**	**0**	**0**	**29,562,632**	**29,562,632**
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	
	DeKalb Utility District	783,585	0	0	783,585	
	N. Alabama Bank	71,780	0	0	71,780	3,726,778
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
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Nashville (continued)						
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
4 projects	**18 agreements**	**16,285,317**	**0**	**0**	**16,285,317**	**16,285,317**
Pittsburgh						
Berlin Lake, OH	***Not Under Contract [3]***	***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	***Not Under Contract [4]***	***0***	***0***	***4,300,000***	***4,300,000***	***4,300,000***
Tygart, WV	City of Grafton **[5]**	106,618	0	0	106,618	106,618
Youghiogheny River Lake, PA	Municipal Auth. of Westmoreland County **[6]**	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 / 46 agreements**	**73,110,172**	**0**	**6,749,699**	**79,859,871**	**79,859,871**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as

[3] LRP, Berlin Lake. 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.

[4] LRP, Stonewall Jackson Lake. City of Weston, WV indicated an interest in an agreement when project originally proposed, but did not proceed with the agreement.

[5] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd at no cost in return for donated real estate.

[6] 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.

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Lakes and Rivers Division		LRD Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District / MSC Percent
Huntington					
Alum Creek Lake, OH	State of Ohio	459,896	0	459,896	
		8,961,243		8,961,243	
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 Summerville	50,136	0	50,136	
Tom Jennings Dam, OH	State of Ohio	495,000	0	495,000	
8 projects	**9 agreements**	**15,059,974**	**0**	**15,059,974**	**62%**
Louisville					
Barren River Lake, KY	City of Glasgow	0	0	0	
	City of Scottsville	0	0	0	
Brookville Lake, IN	State of Indiana	0	0	0	
Caesar Creek Lake, OH	State of Ohio	4,352,594	0	4,352,594	
Carr Creek Lake, KY	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 Ohio	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	2,049,235	0	2,049,235	
	City of Smithville	0	0	0	
	DeKalb Utility District	682,150	0	682,150	
	N. Alabama Bank	50,690		50,690	
Dale Hollow Lake, TN & KY	City of Byrdstown	311,377	0	311,377	
	Commonwealth of KY	124,384	0	124,384	
	Trooper Island Camp	0	0	0	
	Ezell & Wilma Nevans	0	0	0	
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
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Lakes and Rivers Division		LRD Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District / MSC Percent
Nashville (continued)					
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	11,876	0	11,876	
	Cedar Crest Golf Ventures, LLC.	56,901	0	56,901	
	Town of Smyrna	0	0	0	
Laurel River Lake, KY	Laurel Co. Water Dist.	128,043	0	128,043	
	City of Barbourville	1,125,593	0	1,125,593	
	City of Barbourville	555,961	0	555,961	
4 projects	**18 agreements**	**5,096,210**	**0**	**5,096,210**	**31%**
Pittsburgh					
Berlin Lake, OH	***Not Under Contract [3]***	***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	***Not Under Contract [4]***	***0***	***4,300,000***	***4,300,000***	
Tygart, WV	City of Grafton **[5]**	0	0	0	
Youghiogheny River Lake, PA	Municipal Auth. of Westmoreland County **[6]**	2,223,700	0	2,223,700	
5 projects	**3 agreements**	**2,223,700**	**6,749,699**	**8,973,399**	**93%**
Division Total	**28 projects / 46 agreements**	**30,013,973**	**6,749,699**	**36,763,672**	**46%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as					
[3] LRP, Berlin Lake. 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.					
[4] LRP, Stonewall Jackson Lake. City of Weston, WV indicated an interest in an agreement when project originally proposed, but did not proceed with the agreement.					
[5] LRP, Tygart. The agreement allowed the City to withdraw 1.9 mgd at no cost in return for donated real estate.					
[6] 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.					

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

Mississippi Valley Division		MVD WS Agreement Data			
		Agreement			
Project Name	User	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 Illinois	Original	1983	24.50	Paid up front
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 Illinois	Original	1983	17.00	Paid up front
Rend Lake, IL	State of Illinois	Original	1988	70.00	Paid up front
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 **[3]**	Original	1988	120.00	2.742
	Ouachita RWD	Original	1992	1.00	2.742
	Ouachita RWD	Original	1998	0.50	2.742
	Ouachita RWD	Original	2001	1.00	2.742
	City of Bryant, Arkansas	Original	2010	15.00	2.742
	Ouachita RWD **[4]**	Original	2011	6.00	2.742
	Not Under Contract	***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**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] MVK, DeGray. In accordance with a 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 been paid by ORWD since signing of the MOA. Since storage costs have not been repaid storage is classified as future.					
[4] MVK, DeGray, 2011 agreement. The present cost plus the additional cost of $282,488 was repaid in lump sum in May 2011.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Cost and Remaining Principal by Agreement

Mississippi Valley Division		MVD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Space (acre-feet)
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 Illinois	32,692	0	0	32,692	32,692
Clarence Cannon Dam & Mark Twain Lake, MO	State of Missouri	0	13,750	0	13,750	
	Clarence Cannon Wholesale Water Commission, State of MO	6,250	0	0	6,250	20,000
Lake Shelbyville, IL	State of Illinois	24,714	0	0	24,714	24,714
Rend Lake, IL	State of Illinois	109,000	0	0	109,000	109,000
4 projects	**5 agreements**	**172,656**	**13,750**	**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 **[3]**	0	188,470	0	188,470	
	Ouachita RWD	1,573	0	0	1,573	
	Ouachita RWD	787	0	0	787	
	Ouachita RWD	1,573	0	0	1,573	
	City of Bryant, Arkansas	23,595	0	0	23,595	
	Ouachita RWD **[4]**	9,438	0	0	9,438	
	Not Under Contract	***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**	**230,597**	**202,220**	**13,293**	**446,110**	**446,110**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						
[3] MVK, DeGray. In accordance with a 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 been paid by ORWD since signing of the MOA. Since storage costs have not been repaid storage is classified as future.						
[4] MVK, DeGray, 2011 agreement. The present cost plus the additional cost of $282,488 was repaid in lump sum in May 2011.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
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Mississippi Valley Division		MVD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
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 Illinois	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 Illinois	4,310,000	0	0	4,310,000	4,310,000
Rend Lake, IL	State of Illinois	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 **[3]**	0	4,660,863	0	4,660,863	
	Ouachita RWD	38,847	0	0	38,847	
	Ouachita RWD	19,423	0	0	19,423	
	Ouachita RWD	38,847	0	0	38,847	
	City of Bryant, Arkansas	583,316	0	0	583,316	
	Ouachita RWD **[4]**	233,208	0	0	233,208	
	Not Under Contract	***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**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						
[3] MVK, DeGray. In accordance with a 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 been paid by ORWD since signing of the MOA. Since storage costs have not been repaid storage is classified as future.						
[4] MVK, DeGray, 2011 agreement. The present cost plus the additional cost of $282,488 was repaid in lump sum in May 2011.						

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Mississippi Valley Division		MVD Remaining Principal Owed [2]			
		Amount Owed ($)			
Project Name	User	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 Illinois	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	3,394,214	0	3,394,214	
Lake Shelbyville, IL	State of Illinois	0	0	0	
Rend Lake, IL	State of Illinois	0	0	0	
4 projects	**5 agreements**	**3,394,214**	**11,510,424**	**14,904,638**	**42%**
Vicksburg					
Blakey Mt, Dam, Lake Ouachita, AR	N. Garland County Reg. WD	0	0	0	
DeGray, AR	Ouachita RWD **[3]**	0	4,660,863	4,660,863	
	Ouachita RWD	40,776	0	40,776	
	Ouachita RWD	22,030	0	22,030	
	Ouachita RWD	50,500	0	50,500	
	City of Bryant, Arkansas	1,067,813	0	1,067,813	
	Ouachita RWD **[4]**	0	0	0	
	Not Under Contract	***0***	***329,496***	***329,496***	
Enid, MS	LSP Energy Limited	815,162	0	815,162	
3 projects	**8 agreements**	**1,996,281**	**4,990,359**	**6,986,640**	**98%**
Division Summary	**8 Projects / 14 agreements**	**5,390,495**	**16,500,783**	**21,891,278**	**47%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] MVK, DeGray. In accordance with a 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 been paid by ORWD since signing of the MOA. Since storage costs have not been repaid storage is classified as future.					
[4] MVK, DeGray, 2011 agreement. The present cost plus the additional cost of $282,488 was repaid in lump sum in May 2011.					

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Northwestern Division		NWD WS Agreement Data			
		Agreement			
Project Name	User	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.	Original	2003	33.60	paid up front
1 project	**1 agreement**			**33.60**	
Portland					
Lost Creek, OR	City of Phoenix	Original	1982	0.85	3.253
	City of Phoenix	Original	1991	1.28	3.253
	City of Jacksonville	Original	1995	0.85	3.253
	City of Shady Cove	Original	1998	0.01	3.253
	City of Ashland	Original	2002	2.13	3.253
	City of Talent	Original	2002	2.75	3.253
	Angler's Cove/Shady Cove Heights Water Co.	Original	2002	0.03	3.253
	Sandy Cove Waterworks	Original	2006	0.21	3.253
	Rogue Aggregates, Inc.	Original	2007	0.01	paid up front
	Angler's Cove/Shady Cove Heights Water Co.	Original	2007	0.01	paid up front
	Crowfoot Road Water Improvement District	Original	2008	0.01	paid up front
	Not Under Contract		***NA***	***8.58***	***3.253***
1 project	**11 agreements**			**16.72**	
(continued on next page)					

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Northwestern Division		NWD WS Agreement Data			
		Agreement			
Project Name	User	Type	Date	Yield (MGD)	Interest Rate (%)
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
	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	3.502
	Not Under Contract	***Original***		***5.82***	***N/A***
Melvern Lake, KS **[4]**	State of Kansas	Reallocated	1994	7.20	3.225
Milford Lake, KS	State of Kansas	Original	1980	53.04	2.632
	Activate future		1984	37.61	
	Activate future		1991	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 Osage Co.	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***	***N/A***	***22.91***	***N/A***
Stockton Lake, MO	City of Springfield	Reallocated	1993	30.00	6.125
	Activate Future		1993		6.125
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 +4 act. fut.**			**362.10**	
Division Total	**17 projects / 35 agreements + 4 activate future**			**433.07**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] NWS, Howard Hanson. In accordance with policy, payment of the project investment costs included an amount equal to one-half the difference of the least cost alternative of providing equivalent water supply and the total project modification costs for M&I water supply.					
[4] 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.					

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Northwestern Division		NWD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Space (acre-feet)
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	
	City of Phoenix	600	0	0	600	
	City of Jacksonville	400	0	0	400	
	City of Shady Cove	3	0	0	3	
	City of Ashland	1,001	0	0	1,001	
	City of Talent	1,292	0	0	1,292	
	Angler's Cove/Shady Cove Heights Water Co.	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**
(continued on next page)						

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Northwestern Division		NWD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Space (acre-feet)
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	
	Activate future	5,750	0	0	5,750	53,000
Kanopolis Lake, KS	State of Kansas	12,500		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
Melvern Lake, KS **[4]**	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 Osage Co.	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	0	0	25,000	
	Activate Future	25,000	0	0	25,000	50,000
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 +4 act. fut.**	**404,933**	**413,630**	**95,700**	**914,263**	**914,263**
Division Total	**17 projects / 35 agreements + 4 activate future**	**498,646**	**413,630**	**101,877**	**1,014,153**	**1,014,153**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						
[3] NWS, Howard Hanson. In accordance with policy, payment of the project investment costs included an amount equal to one-half the difference of the least cost alternative of providing equivalent water supply and the total project modification costs for M&I water supply.						
[4] 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.						

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Northwestern Division		NWD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
Omaha						
Bowman Haley,ND	Bowman County Water Management Dist.	824,985	0	0	824,985	824,985
Garrison, ND	Basin Elect. Power Coop.	1,049,145	0	0	1,049,145	1,049,145
2 projects	**2 agreements**	**1,874,130**	**0**	**0**	**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
1 project	**1 agreement**	**18,368,000**	**0**	**0**	**18,368,000**	**18,368,000**
Portland						
Lost Creek, OR	City of Phoenix	269,650	0	0	269,650	
	City of Phoenix	404,475	0	0	404,475	
	City of Jacksonville	269,650	0	0	269,650	
	City of Shady Cove	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	
	Angler's Cove/Shady Cove Heights Water Co.	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.	6,688	0	0	6,688	
	Crowfoot Road Water Improvement District	6,983	0	0	6,983	
	Not Under Contract	***0***	***0***	***3,746,292***	**3,746,292**	
1 project	**11 agreements**	**3,209,655**	**0**	**3,746,292**	**6,955,947**	**6,955,947**
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Northwestern Division		NWD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
Kansas City						
Clinton Lake, KS	State of Kansas	4,185,857	2,269,826	0	6,455,683	6,455,683
Harry S Truman Dam & Res., MO	Henry Co. PWSD #3	44,006	0	0	44,006	
	Henry Co. PWSD #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	
	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	583,203	0	0	583,203	
	Not Under Contract	***0***	***0***	***5,083,005***	***5,083,005***	5,666,208
Melvern Lake, KS **[4]**	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 Osage Co.	19,852	0	0	19,852	
	State of Kansas	2,241,736	0	0	2,241,736	
	State of Kansas	2,902,993	0	0	2,902,993	5,177,939
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	356,954	1,194,129	0	1,551,083	
	Not Under Contract	***0***	***0***	***6,315,153***	***6,315,153***	9,272,942
Stockton Lake, MO	City of Springfield	4,796,426	0	0	4,796,426	
	Activate Future	7,806,740	0	0	7,806,740	12,603,166
Tuttle Creek Lake, KS	State of Kansas	1,876,784	0	0	1,876,784	
	State of Kansas	648,831	0	0	648,831	
	State of Kansas	1,090,378	0	0	1,090,378	3,615,993
13 projects	**21 agreements +4 act. fut.**	**53,434,519**	**32,501,988**	**11,398,158**	**97,334,665**	**97,334,665**
Division Total	**17 projects / 35 agreements + 4 activate future**	**76,886,304**	**32,501,988**	**15,144,450**	**124,532,742**	**124,532,742**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						
[3] NWS, Howard Hanson. In accordance with policy, payment of the project investment costs included an amount equal to one-half the difference of the least cost alternative of providing equivalent water supply and the total project modification costs for M&I water supply.						
[4] 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.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Northwestern Division		NWD Remaining Principal Owed ($) [2]			
		Amount Owed ($)			
Project Name	User	Present	Future	Total	District / MSC Percent
Omaha					
Bowman Haley,ND	Bowman County Water Management Dist.	120,411	0	120,411	
Garrison, ND	Basin Elect. Power Coop.	120,045	0	120,045	
2 projects	**2 agreements**	**240,456**	**0**	**240,456**	**13%**
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	137,312	0	137,312	
	City of Phoenix	0	0	0	
	City of Jacksonville	0	0	0	
	City of Shady Cove	0	0	0	
	City of Ashland	0	0	0	
	City of Talent	0	0	0	
	Angler's Cove/Shady Cove Heights Water Co.	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**	**137,312**	**4,168,152**	**4,305,464**	**62%**
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Northwestern Division		NWD Remaining Principal Owed ($) [2]			
		Amount Owed ($)			
Project Name	User	Present	Future	Total	District / MSC Percent
Kansas City					
Clinton Lake, KS	State of Kansas	1,869,461	2,269,826	4,139,287	
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	2,691,167	11,631,606	14,322,773	
	Activate future	4,062,137	0	4,062,137	
Kanopolis Lake, KS	State of Kansas	2,610,934	0	2,610,934	
Long Branch Lake, MO	City of Macon	662,434	0	662,434	
	Not Under Contract	***0***	***5,083,005***	5,083,005	
Melvern Lake, KS **[4]**	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	1,587,720	0	1,587,720	
Perry Lake, KS	State of Kansas	410,398	7,673,311	8,083,709	
Pomona Lake, KS	RWD#3 Osage Co.	0	0	0	
	RWD#3 Osage Co.	0	0	0	
	State of Kansas	0	0	0	
	State of Kansas	0	0	0	
Rathbun Lake, IA	Rathbun Regional Water Assoc, Inc. (RRWA)	154,291	0	154,291	
	RRWA	0	0	0	
Smithville Lake, MO	City of Smithville	177,079	1,107,816	1,284,895	
	City of Plattsburg	590,821	1,194,129	1,784,950	
	Not Under Contract	***0***	***6,315,153***	6,315,153	
Stockton Lake, MO	City of Springfield	0	0	0	
	Activate Future	7,206,740	0	7,206,740	
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 +4 act. fut.**	**22,023,182**	**43,900,146**	**65,923,328**	**68%**
Division Total	**17 projects / 35 agreements + 4 activate future**	**22,400,950**	**48,068,298**	**70,469,248**	**57%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] NWS, Howard Hanson. In accordance with policy, payment of the project investment costs included an amount equal to one-half the difference of the least cost alternative of providing equivalent water supply and the total project modification costs for M&I water supply.					
[4] 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.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Pacific Division		SPD Agreement Data			
		Agreement			
Project	User	Type	Date	Yield	Interest Rate (%)
Albuquerque					
Abiquiu **[2]**	Albuquerque Bernalillo Co. Water Utility Auth.	Original	1986	0.7	N/A
1 project	**1 agreement**			**0.7**	
San Francisco					
Coyote Valley Dam / Lake Mendocino, CA **[3]**	Sonoma Co. Water Agency	Original	1956	61.97	N/A
Dry Creek, Warm Springs Dam / Lake Sonoma, CA **[4]**	Sonoma Co. Water Agency	Original	1982	186.43	3.225
2 projects	**2 agreements**			**248.4**	
Sacramento					
New Hogan Lake, CA **[5]**	Calaveras County Water Dist., Stockton East Water District	Original	1970	10.33	N/A
1 project	**1 agreement**			**10.33**	
Division Totals	**4 projects / 4 agreements**			**259.43**	
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] SPA, Abiquiu. March 1986 contract under PL 97-140, as amended by PL 100-522 (USC 43-12B Sec. 620a). The sponsor uses the reservoir as a pass through for San Juan Chama water being stored in the flood pool. Original user was the City of Albuquerque. There are no construction costs. Yearly O&M costs are paid on a prorata basis.					
[3] SPN, Coyote Valley. In March 1956, the SCWA paid $5,598,000 to the Sec. Interior, who transferred to the Sec. Army. This was payment in full for storage space and operation and maintenance costs.					
[4] SPN, Dry Creek. The contract is for four blocks of storage: 44,000, 44,000, 44,000 and 80,000. Original 1964 agreement superseded in 1982. All storage being repaid under one amortization schedule.					
[5] SPK, New Hogan Lake. 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.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

South Pacific Division		SPD WS Storage Space				
		WS Agreement Storage Space (acre-feet)				Project WS Storage Space (acre-feet)
Project	User	Present	Future	Not Under Contract	Total	
Albuquerque						
Abiquiu **[2]**	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 **[3]**	Sonoma Co. Water Agency	70,000	0	0	70,000	70,000
Dry Creek, Warm Springs Dam / Lake Sonoma, CA **[4]**	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						
New Hogan Lake, CA **[5]**	Calaveras County Water Dist., Stockton East Water District	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**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] SPA, Abiquiu. March 1986 contract under PL 97-140, as amended by PL 100-522 (USC 43-12B Sec. 620a). The sponsor uses the reservoir as a pass through for San Juan Chama water being stored in the flood pool. Original user was the City of Albuquerque. There are no construction costs. Yearly O&M costs are paid on a prorata basis.						
[3] SPN, Coyote Valley. In March 1956, the SCWA paid $5,598,000 to the Sec. Interior, who transferred to the Sec. Army. This was payment in full for storage space and operation and maintenance costs.						
[4] SPN, Dry Creek. The contract is for four blocks of storage: 44,000, 44,000, 44,000 and 80,000. Original 1964 agreement superseded in 1982. All storage being repaid under one amortization schedule.						
[5] SPK, New Hogan Lake. 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.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial:
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South Pacific Division		SPD WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
Project	User	Present	Future	Not Under Contract	Total	
Albuquerque						
Abiquiu **[2]**	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 **[3]**	Sonoma Co. Water Agency	5,598,000	0	0	5,598,000	5,598,000
Dry Creek, Warm Springs Dam / Lake Sonoma, CA **[4]**	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						
New Hogan Lake, CA **[5]**	Calaveras County Water Dist., Stockton East Water District	47,181	0	0	47,181	47,181
1 project	**1 agreement**	**47,181**	**0**	**0**	**47,181**	**47,181**
Division Totals	**4 projects / 4 agreements**	**127,706,229**	**0**	**0**	**127,706,229**	**127,706,229**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] SPA, Abiquiu. March 1986 contract under PL 97-140, as amended by PL 100-522 (USC 43-12B Sec. 620a). The sponsor uses the reservoir as a pass through for San Juan Chama water being stored in the flood pool. Original user was the City of Albuquerque. There are no construction costs. Yearly O&M costs are paid on a prorata basis.

[3] SPN, Coyote Valley. In March 1956, the SCWA paid $5,598,000 to the Sec. Interior, who transferred to the Sec. Army. This was payment in full for storage space and operation and maintenance costs.

[4] SPN, Dry Creek. The contract is for four blocks of storage: 44,000, 44,000, 44,000 and 80,000. Original 1964 agreement superseded in 1982. All storage being repaid under one amortization schedule.

[5] SPK, New Hogan Lake. 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.

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South Pacific Division		SPD Remaining Principal Owed			
		Amount Owed ($)			
Project	User	Present	Future	Total	District / MSC Percent
Albuquerque					
Abiquiu **[2]**	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 **[3]**	Sonoma Co. Water Agency	0	0	0	
Dry Creek, Warm Springs Dam / Lake Sonoma, CA **[4]**	Sonoma Co. Water Agency	97,951,522	0	97,951,522	
2 projects	**2 agreements**	**97,951,522**	**0**	**97,951,522**	**77%**
Sacramento					
New Hogan Lake, CA **[5]**	Calaveras County Water Dist., Stockton East Water District	0	0	0	
1 project	**1 agreement**	**0**	**0**	**0**	**0%**
Division Totals	**4 projects / 4 agreements**	**97,951,522**	**0**	**97,951,522**	**77%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] SPA, Abiquiu. March 1986 contract under PL 97-140, as amended by PL 100-522 (USC 43-12B Sec. 620a). The sponsor uses the reservoir as a pass through for San Juan Chama water being stored in the flood pool. Original user was the City of Albuquerque. There are no construction costs. Yearly O&M costs are paid on a prorata basis.					
[3] SPN, Coyote Valley. In March 1956, the SCWA paid $5,598,000 to the Sec. Interior, who transferred to the Sec. Army. This was payment in full for storage space and operation and maintenance costs.					
[4] SPN, Dry Creek. The contract is for four blocks of storage: 44,000, 44,000, 44,000 and 80,000. Original 1964 agreement superseded in 1982. All storage being repaid under one amortization schedule.					
[5] SPK, New Hogan Lake. 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.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial
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Southwestern Division: Little Rock District		SWL Agreement Data			
		Agreement			
Project	User	Type	Date	Yield (MGD)	Rate (%)
Beaver Lake, AR	Beaver Water District	Original	1960	30.12	2.699
	Activate Future		1993	74.81	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
	Beaver Water District **[3]**	Reallocation	2006	15.08	N/A
	Carroll-Boone Water District **[3]**	Reallocation	2006	1.26	N/A
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. RPWA	Reallocation	2010	6.00	4.125
Dardanell Lake, AR	AP&L Nuclear One **[4]**	Surplus	1970	1,100	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	41.34	2.936
	Activate Future		1996	0.41	2.936
Greers Ferry Lake, AR	City of Herber Springs **[5]**	Original	1959	0.84	N/A
	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
	City of Clinton	Reallocation	2005	1.75	5.125
	Mid Arkansas Water Alliance	Reallocation	2010	15.00	4.125
Millwood Lake, AR	SW Arkansas Water Dist. #1	Original	1965	164.50	2.632
	Activate Future #2		1975	14.40	2.632
	Activate Future #3		1980	25.00	2.632
	Activate Future #4		1984	3.00	2.632
	Activate Future #5		1986	5.00	2.632
	Activate Future #6		1991	20.00	2.632
	Activate Future #7		1991	0.70	2.632
	Activate Future #8		2010	21.00	2.632
	Activate Future #9		2012	2.00	2.632
	Activate Future #10		2012	1.40	2.632
	Activate Future #11		2012	8.00	2.632
Nimrod Lake, AR	City of Plainview	Reallocation	1973	0.10	4.012
	City of Plainview	Reallocation	1995	0.23	6.125
Norfork Lake, AR	City of Mountain Home	Reallocation	1967	1.00	2.500
	Activate Future		1971	2.00	2.500
11 projects	**28 agreements + 13 activate future**			**1,613.47**	

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Beaver Lake, AR. 2006 reallocations directed by Congress due to change in hydrology. No cost to user.

[4] Dardanell. Nuclear power plant requires 1,700 cfs for cooling. Amount of storage required is much less as most cooling water is returned to the river. Annual O&M payment of $10,600.

[5] Greers Ferry. Agreement at no cost for water supply lost due to construction of project.

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Southwestern Division: Little Rock District		SWL Agreement Storage Space (acre-feet)				
		WS Agreement Storage Space				Project WS Storage Space (acre-feet)
Project	User	Present	Future	Not Under Contract	Total	
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	
	Beaver Water District **[3]**	28,757	0	0	28,757	
	Carroll-Boone Water District **[3]**	2,396	0	0	2,396	160,148
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. RPWA	10,035	0	0	10,035	12,613
Dardanell Lake, AR	AP&L Nuclear One **[4]**	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	20,277	0	20,400	
	Activate Future	200	0	0	200	20,600
Greers Ferry Lake, AR	City of Herber Springs **[5]**	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	
	City of Clinton	2,175	0	0	2,175	
	Mid Arkansas Water Alliance	18,730	0	0	18730	31,308
Millwood Lake, AR	SW Arkansas Water Dist. #1	6,000	87,118	0	93,118	
	Activate Future #2	8,150	0	0	8,150	
	Activate Future #3	14,150	0	0	14,150	
	Activate Future #4	1,698	0	0	1,698	
	Activate Future #5	2,830	0	0	2,830	
	Activate Future #6	11,320	0	0	11,320	
	Activate Future #7	396	0	0	396	
	Activate Future #8	11,886	0	0	11,886	
	Activate Future #9	1,132			1,132	
	Activate Future #10	792			792	
	Activate Future #11	4,528			4,528	150,000
Nimrod Lake, AR	City of Plainview	33	0	0	33	
	City of Plainview	110	0	0	110	143
Norfork Lake, AR	City of Mountain Home	800	0	0	800	
	Activate Future	1,600	0	0	1,600	2,400
11 projects	**28 agreements + 13 activate future**	**272,167**	**134,580**	**0**	**406,747**	**406,747**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Beaver Lake, AR. 2006 reallocations directed by Congress due to change in hydrology. No cost to user.

[4] Dardanell. Nuclear power plant requires 1,700 cfs for cooling. Amount of storage required is much less as most cooling water is returned to the river. Annual O&M payment of $10,600.

[5] Greers Ferry. Agreement at no cost for water supply lost due to construction of project.

2014 Water Supply Database - ANNEX I - Municipal and Industrial
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Southwestern Division: Little Rock District		SWL WS Storage Cost [1]				
		WS Agreement Storage Cost ($)				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost ($)
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	
	Beaver Water District **[3]**	0	0	0	0	
	Carroll-Boone Water District **[3]**	0	0	0	0	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. RPWA	1,659,777	0	0	1,659,777	2,025,617
Dardanell Lake, AR	AP&L Nuclear One **[4]**	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	7,768,224	0	7,883,636	
	Activate Future	51,792	0	0	51,792	7,935,428
Greers Ferry Lake, AR	City of Herber Springs **[5]**	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	
	City of Clinton	277,423	0	0	277,423	
	Mid Arkansas Water Alliance	3,557,788	0	0	3,557,788	4,981,462
Millwood Lake, AR	SW Arkansas Water Dist. #1	783,760	8,650,091	0	9,433,851	
	Activate Future #2	742,908	0	0	742,908	
	Activate Future #3	1,348,700	0	0	1,348,700	
	Activate Future #4	161,900	0	0	161,900	
	Activate Future #5	269,800	0	0	269,800	
	Activate Future #6	1,079,100	0	0	1,079,100	
	Activate Future #7	37,700	0	0	37,700	
	Activate Future #8	2,722,789	0	0	2,722,789	
	Activate Future #9	107,902	0	0	107,902	
	Activate Future #10	75,493	0	0	75,493	
	Activate Future #11	431,608	0	0	431,608	16,411,751
Nimrod Lake, AR	City of Plainview	1,218	0	0	1,218	
	City of Plainview	21,967	0	0	21,967	23,185
Norfork Lake, AR	City of Mountain Home	65,467	0	0	65,467	
	Activate Future	130,933	0	0	130,933	196,400
11 projects	**28 agreements + 13 activate future**	**23,003,470**	**32,781,062**	**0**	**55,784,532**	**55,784,532**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Beaver Lake, AR. 2006 reallocations directed by Congress due to change in hydrology. No cost to user.

[4] Dardanell. Nuclear power plant requires 1,700 cfs for cooling. Amount of storage required is much less as most cooling water is returned to the river. Annual O&M payment of $10,600.

[5] Greers Ferry. Agreement at no cost for water supply lost due to construction of project.

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division: Little Rock District		SWL Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District Percent
Beaver Lake, AR	Beaver Water District	98,258		98,258	
	Activate Future	2,513,598		2,513,598	
	Carroll-Boone Water District	389,848		389,848	
	Madison Co., Water District	221,382		221,382	
	Benton/Washington Co. WD	767,665		767,665	
	Beaver Water District **[3]**	0		0	
	Carroll-Boone Water District **[3]**	0		0	
Blue Mountain Lake, AR	City of Danville	145,005		145,005	
Bull Shoals Lake, AR	Marion Co. Water District	0		0	
	Marion Co. Water District	0		0	
	Ozark Mt. RPWA	1,537,208		1,537,208	
Dardanell Lake, AR	AP&L Nuclear One **[4]**	0		0	
DeQueen Lake, AR	Tri-Lakes Water District	172,916	11,900,000	12,072,916	
Dierks Lake, AR	Tri-County Water Dist.	18,206	4,462,747	4,480,953	
Gillham Lake, AR	Tri-Lakes Water District	59,527	7,768,224	7,827,751	
	Activate Future	39,732		39,732	
Greers Ferry Lake, AR	City of Herber Springs **[5]**	0		0	
	Clinton Water District	22,497		22,497	
	Community Water System	0		0	
	Community WS	0		0	
	Red Apple Inn & Country Club	5,258		5,258	
	Community WS	0		0	
	Thunderbird Country Club	4,436		4,436	
	Tannebaum Country Club	7,541		7,541	
	City of Clinton	246,771		246,771	
	Mid Arkansas Water Alliance	2,351,286		2,351,286	
Millwood Lake, AR	SW Arkansas Water Dist. #1	77,283	8,650,091	8,727,374	
	Activate Future #2	134,508		134,508	
	Activate Future #3	293,493		293,493	
	Activate Future #4	87,907		87,907	
	Activate Future #5	162,615		162,615	
	Activate Future #6	728,915		728,915	
	Activate Future #7	26,108		26,108	
	Activate Future #8	1,378,148		1,378,148	
	Activate Future #9	79,867		79,867	
	Activate Future #10	55,878		55,878	
	Activate Future #11	319,466		319,466	
Nimrod Lake, AR	City of Plainview	0		0	
	City of Plainview	13,392		13,392	
Norfork Lake, AR	City of Mountain Home	0		0	
	Activate Future	0		0	
11 projects	**28 agreements + 13 activate future**	**11,958,714**	**32,781,062**	**44,739,776**	**80%**

Notes:

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[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Beaver Lake, AR. 2006 reallocations directed by Congress due to change in hydrology. No cost to user.

[4] Dardanell. Nuclear power plant requires 1,700 cfs for cooling. Amount of storage required is much less as most cooling water is returned to the river. Annual O&M payment of $10,600.

[5] Greers Ferry. Agreement at no cost for water supply lost due to construction of project.

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF WS Agreement Data			
		Agreement			
Project Name	User	Type	Date	Yield (MGD)	Interest Rate (%)
Aquilla Lake, TX	Brazos River Authority #1	Original	1976	0.97	5.116
	Actvate Future #2		1995	8.70	5.116
	Actvate Future #3		1999	**[3]**	5.116
	Activate Future #4		2007	**[3]**	5.116
	Activate Future #5		2009	**[3]**	5.116
	Activate Future #6		**[3]**	**[3]**	5.116
	Activate Future #7		**[3]**	**[3]**	5.116
Bardwell Lake, TX	Trinity River Authority	Original	1963	2.80	2.936
	Activate Future #2A		1969	2.80	2.936
	Activate Future #2B		1969	2.80	2.936
	Activate Future #2C		1969	2.80	2.936
	RR&R Repayment		2011	0.00	2.936
Belton Lake, TX	Brazos River Auth.	Original	1958	35.32	2.500
	Activate Future		1958	66.01	2.500
	RR&R Repayment		2014	0.00	4.250
Benbrook Lake, TX **[4]**	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-Blanco 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		**[3]**	6.43	3.253
	Sulphur R. MWD	Original	1968	7.30	3.253
	Activate Future		1968	21.50	3.253
	RR&R Repayment		2011	0.00	4.250
Lake O'The Pines, TX	N.E. Texas MWD	Original	1955	154.99	Paid up front
Granger Dam & Lake, TX	Brazos River Auth.	Original (all future)	1980		
	Activate Future #1		1991	0.04	3.256
	Activate Future #2		1995	16.12	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 Cities	Original	1955	6.42	3.130
	City of Grapevine	Surplus	1981	3.21	8.605
Hords Creek Lake, TX	***Unknown***	Original	**[3]**	1.10	**[3]**
Joe Pool Lake, TX	Trinity River Auth.	Original	1977	6.14	5.116
	Activate Future #1		**[3]**	0.14	5.683
	Activate Future #2		**[3]**	0.14	5.683
	Activate Future #3		**[3]**	0.14	5.683
	Activate Future #4		**[3]**	1.36	5.683
	Activate Future #5		**[3]**	1.00	5.683
	Activate Future #6		**[3]**	0.85	5.683
	Activate Future #7		**[3]**	0.85	5.689
	Activate Future #8		**[3]**	3.58	5.683
	RR&R Repayment		2011	0.00	4.250
Lavon Lake, TX	N. Texas MWD	Original	1967	24.21	2.500
	N. Texas MWD	Original	1967	29.05	3.225
	Supplement		2004	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
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF WS Agreement Data			
Project Name	User	Agreement			
		Type	Date	Yield (MGD)	Interest Rate (%)
Fort Worth (continued)					
Lake Georgetown, TX	Brazos River Auth.	Original (all future)	1981	0.00	3.253
	Activate Future (Seg #1)		**[3]**	0.04	3.253
	Activate Future (Seg #2)		**[3]**	0.16	3.253
	Activate Future (Seg #3)		**[3]**	0.53	3.253
	Activate Future (Seg #4)		**[3]**	1.00	3.253
	Activate Future (Seg #5)		**[3]**	2.00	3.253
	Activate Future (Seg #6)		**[3]**	0.36	3.253
	Activate Future (Seg #7)		**[3]**	0.50	3.253
	Activate Future (Seg #8)		**[3]**	1.06	3.253
	Activate Future (Seg. #9)		**[3]**	0.89	3.253
	Activate Future (Seg #10)		**[3]**	1.74	3.253
	Activate Future (Seg #11)		**[3]**	0.38	3.253
	Activate Future (Seg #12)		**[3]**	1.64	3.253
O C Fisher Dam & Lake, TX	Upper CO River Auth.	Original	1999	3.62	Paid up front
Proctor Lake, TX	Brazos River Auth.	Original	1960	2.78	2.700
[5]	Activate Future		1966	11.12	2.700
Ray Roberts Lake, TX	City of Dallas	Original	1980	83.22	7.210
[6]	City of Denton	Original	1980	29.24	7.210
Sam Rayburn Dam & Reservoir, TX	City of Lufkin	Reallocation	1969	10.70	2.591
	Activate Future		**[3]**	25.00	2.591
[7]	Lower Neches Valley Auth.	Original	1956	1,293	N/A
Somerville Lake, TX	Brazos River Auth.	Original	1962	1.81	2.742
	Activate Future		**[3]**	34.38	2.742
Stillhouse Hollow Dam, TX	Brazos River Auth.	Original	1962	8.25	2.742
	Activate Future		**[3]**	54.94	2.742
Waco Lake, TX	Brazos River Auth	Original	1958	56.83	2.500
[8]	City of Waco	Original	1958	8.12	N/A
	Brazos River Auth.	Reallocation	1984	29.65	**[3]**
Whitney Lake, TX	Brazos River Auth.	Original	1982	17.64	3.216
Wright Patman Dam & Lake, TX	City of Texarkana Cont. # C-0019	Surplus	1968	50.00	2.556
24 Projects	**43 agreements + 41 activate future**			**2,535**	

Notes:

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[3] Missing data pending district update.

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

[5] Proctor. User has not activated storage but is paying principal and interest.

[6] Ray Roberts. In 1998 city paid $26,828,840 in principal and $1,062,312 in interest. Additional payments not due at this time.

[7] Sam Rayburn. The Rivers and Harbors Act of 1948 (Public Law 88-858) authorized release of 2,000 cfs of available water to the Lower Neches Valley Authority.

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

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF WS Storage Space				
Project Name	User	WS Agreement Storage Space (acre-feet)				Project WS Storage Space (acre-feet)
		Present	Future	Not Under Contract	Total	
Aquilla Lake, TX	Brazos River Authority #1	3,360	0	0	3,360	
	Actvate Future #2	3,444	0	0	3,444	
	Actvate Future #3	1,856	0	0	1,856	
	Activate Future #4	7,116	0	0	7,116	
	Activate Future #5	6,074	0	0	6,074	
	Activate Future #6	3,643	0	0	3,643	
	Activate Future #7	8,107	0	0	8,107	33,600
Bardwell Lake, TX	Trinity River Authority	10,700	0	0	10,700	
	Activate Future #2A	10,700	0	0	10,700	
	Activate Future #2B	10,700	0	0	10,700	
	Activate Future #2C	10,700	0	0	10,700	
	RR&R Repayment	0	0	0	0	42,800
Belton Lake, TX	Brazos River Auth.	125,700	0	0	125,700	
	Activate Future	235,000	0	0	235,000	
	RR&R Repayment	0	0	0	0	360,700
Benbrook Lake, TX **[4]**	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-Blanco 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	
	RR&R Repayment	0	0	0	0	273,000
Lake O'The Pines, TX	N.E. Texas MWD	250,000	0	0	250,000	250,000
Granger Dam & Lake, TX	Brazos River Auth.					
	Activate Future #1	102	0	0	102	
	Activate Future #2	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 Cities	50,000	0	0	50,000	
	City of Grapevine	25,000	0	0	25,000	161,250
Hords Creek Lake, TX	***Unknown***	0	0	***5,780***	***5,780***	***5,780***
Joe Pool Lake, TX	Trinity River Auth.	0	61,746	0	61,746	
	Activate Future #1	1,429	0	0	1,429	
	Activate Future #2	1,429	0	0	1,429	
	Activate Future #3	1,429	0	0	1,429	
	Activate Future #4	13,661	0	0	13,661	
	Activate Future #5	10,060	0	0	10,060	
	Activate Future #6	8,574	0	0	8,574	
	Activate Future #7	8,575	0	0	8,575	
	Activate Future #8	35,997	0	0	35,997	
	RR&R Repayment	0	0	0	0	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
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF 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 (continued)						
Lake Georgetown, TX	Brazos River Auth.	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	
[5]	Activate Future	25,120	0	0	25,120	31,400
Ray Roberts Lake, TX	City of Dallas	591,700	0	0	591,700	
[6]	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	
[7]	Lower Neches Valley Auth.	0	0	0	0	43,000
Somerville Lake, TX	Brazos River Auth.	7,200	129,500	0	136,700	
	Activate Future	7,200	0	0	7,200	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	
[8]	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. # C-0019	76,663	0	0	76,663	76,663
24 Projects	**43 agreements + 41 activate future**	**3,815,061**	**299,271**	**5,780**	**4,120,112**	**4,120,112**

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2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF WS Storage Cost [1]				
Project Name	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Aquilla Lake, TX	Brazos River Authority #1	1,119,445	0	0	1,119,445	
	Actvate Future #2	1,147,431	0	0	1,147,431	
	Actvate Future #3	618,360	0	0	618,360	
	Activate Future #4	2,370,825	0	0	2,370,825	
	Activate Future #5	2,023,663	0	0	2,023,663	
	Activate Future #6	1,213,731	0	0	1,213,731	
	Activate Future #7	2,700,994	0	0	2,700,994	11,194,449
Bardwell Lake, TX	Trinity River Authority	822,647	0	0	822,647	
	Activate Future #2A	822,647	0	0	822,647	
	Activate Future #2B	822,647	0	0	822,647	
	Activate Future #2C	822,647	0	0	822,647	
	RR&R Repayment	699,878	0	0	699,878	3,990,466
Belton Lake, TX	Brazos River Auth.	1,524,091	0	0	1,524,091	
	Activate Future	3,600,909	0	0	3,600,909	
	RR&R Repayment	5,439,122	0	0	5,439,122	10,564,122
Benbrook Lake, TX **[4]**	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-Blanco 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	752,628	0	5,030,112	
	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	
	RR&R Repayment	133,310	0	0	133,310	36,097,152
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.					
	Activate Future #1	39,345	0	0	39,345	
	Activate Future #2	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 Cities	683,547	0	0	683,547	
	City of Grapevine	683,547	0	0	683,547	2,822,774
Hords Creek Lake, TX	***Unknown***	0	0	***105,078***	***105,078***	***105,078***
Joe Pool Lake, TX	Trinity River Auth.	0	7,974,062		7,974,062	
	Activate Future #1	608,286	0	0	608,286	
	Activate Future #2	625,793	0	0	625,793	
	Activate Future #3	608,286	0	0	608,286	
	Activate Future #4	5,970,414	0	0	5,970,414	
	Activate Future #5	4,527,350	0	0	4,527,350	
	Activate Future #6	3,747,121	0	0	3,747,121	
	Activate Future #7	3,974,453	0	0	3,974,453	
	Activate Future #8	19,114,235	0	0	19,114,235	
	RR&R Repayment	168,736	0	0	168,736	47,318,736
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
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF WS Storage Cost [1]				
Project Name	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Fort Worth (continued)						
Lake Georgetown, TX	Brazos River Auth.	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	
[5]	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	
[6]	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	
[7]	Lower Neches Valley Auth.	5,000,000	0	0	5,000,000	5,525,600
Somerville Lake, TX	Brazos River Auth.	360,113	6,663,165	0	7,023,278	
	Activate Future	360,113	0	0	360,113	7,383,391
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	
[8]	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. # C-0019	1,437,647	0	0	1,437,647	1,437,647
24 Projects	**43 agreements + 41 activate future**	**444,323,935**	**44,627,759**	**105,078**	**489,056,772**	**489,056,772**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Missing data pending district update.

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

[5] Proctor. User has not activated storage but is paying principal and interest.

[6] Ray Roberts. In 1998 city paid $26,828,840 in principal and $1,062,312 in interest. Additional payments not due at this time.

[7] Sam Rayburn. The Rivers and Harbors Act of 1948 (Public Law 88-858) authorized release of 2,000 cfs of available water to the Lower Neches Valley Authority.

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

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF Remaining Principal Owed [2]			
		Amount Owed ($)			
Project Name	User	Present	Future	Total	District Percent
Aquilla Lake, TX	Brazos River Authority #1	0	0	0	
	Actvate Future #2	0	0	0	
	Actvate Future #3	0	0	0	
	Activate Future #4	0	0	0	
	Activate Future #5	0	0	0	
	Activate Future #6	0	0	0	
	Activate Future #7	0	0	0	
Bardwell Lake, TX	Trinity River Authority	0	0	0	
	Activate Future #2A	115,513	0	115,513	
	Activate Future #2B	144,746	0	144,746	
	Activate Future #2C	185,329	0	185,329	
	RR&R Repayment	635,425		635,425	
Belton Lake, TX	Brazos River Auth.	0	0	0	
	Activate Future	1,006,031	0	1,006,031	
	RR&R Repayment	5,128,175	0	5,128,175	
Benbrook Lake, TX **[4]**	City of Ft. Worth	65,556	0	65,556	
	Benbrook W&SA	67,712	0	67,712	
	Benbrook W&SA	142,313	0	142,313	
	Tarrant Reg. WD	0	0	0	
Canyon Lake, TX	Guadalupe-Blanco R. Auth.	2,938,846	0	2,938,846	
Cooper Dam & Jim Chapman Lake, TX	City of Irving	7,413,764	752,628	8,166,392	
	Activate Future	9,821,905		9,821,905	
	N. Texas Muni. Water Dist.	15,253,888	0	15,253,888	
	Activate Future	2,878,763	0	2,878,763	
	Sulphur R. MWD	2,984,479	0	2,984,479	
	Activate Future	9,745,049	0	9,745,049	
	RR&R Repayment	121,033		121,033	
Lake O'The Pines, TX	N.E. Texas MWD	0	0	0	
Granger Dam & Lake, TX	Brazos River Auth.				
	Activate Future #1	28,280	0	28,280	
	Activate Future #2	10,629,107	0	10,629,107	
Grapevine, TX	City of Grapevine	0	0	0	
	City of Dallas	0	0	0	
	Dallas Co. Park Cities	0	0	0	
	City of Grapevine	0	0	0	
Hords Creek Lake, TX	***Unknown***	0	***105,078***	***105,078***	
Joe Pool Lake, TX	Trinity River Auth.	16,457	25,122	41,579	
	Activate Future #1	0	0	0	
	Activate Future #2	0	0	0	
	Activate Future #3	489,020	0	489,020	
	Activate Future #4	4,906,355	0	4,906,355	
	Activate Future #5	0	0	0	
	Activate Future #6	0	0	0	
	Activate Future #7	0	0	0	
	Activate Future #8	0	0	0	
	RR&R Repayment	150,099	0	150,099	
Lavon Lake, TX	N. Texas MWD	0	0	0	
	N. Texas MWD	6,534,644	0	6,534,644	
	Supplement	7,834,235	0	7,834,235	
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	
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division - Fort Worth District		SWF Remaining Principal Owed [2]			
		Amount Owed ($)			
Project Name	User	Present	Future	Total	District Percent
Fort Worth (continued)					
Lake Georgetown, TX	Brazos River Auth.	0	283,839	283,839	
	Activate Future (Seg #1)	14,026	0	14,026	
	Activate Future (Seg #2)	66,778	0	66,778	
	Activate Future (Seg #3)	230,035	0	230,035	
	Activate Future (Seg #4)	418,242	0	418,242	
	Activate Future (Seg #5)	901,708	0	901,708	
	Activate Future (Seg #6)	23,682	0	23,682	
	Activate Future (Seg #7)	258,592	0	258,592	
	Activate Future (Seg #8)	382,953	0	382,953	
	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.	0	0	0	
[5]	Activate Future	279,454	0	279,454	
Ray Roberts Lake, TX	City of Dallas	0	0	0	
[6]	City of Denton	2,907,913	28,954,065	31,861,978	
Sam Rayburn Dam & Reservoir, TX	City of Lufkin	28,900	0	28,900	
	Activate Future	0	0	0	
[7]	Lower Neches Valley Auth.	0	0	0	
Somerville Lake, TX	Brazos River Auth.	91,993	6,663,165	6,755,158	
	Activate Future	2,555,686	0	2,555,686	
Stillhouse Hollow Dam, TX	Brazos River Auth.	93,440	0	93,440	
	Activate Future	713,278	0	713,278	
Waco Lake, TX	Brazos River Auth	0	0	0	
[8]	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. # C-0019	187,770	0	187,770	
24 Projects	**43 agreements + 41 activate future**	**98,391,174**	**36,783,897**	**135,175,071**	**28%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] Missing data pending district update.					
[4] Benbrook. All contracts are surplus. Storage is from navigation pool and will be used by M&I until needed for navigation.					
[5] Proctor. User has not activated storage but is paying principal and interest.					
[6] Ray Roberts. In 1998 city paid $26,828,840 in principal and $1,062,312 in interest. Additional payments not due at this time.					
[7] Sam Rayburn. The Rivers and Harbors Act of 1948 (Public Law 88-858) authorized release of 2,000 cfs of available water to the Lower Neches Valley Authority.					
[8] Waco. The City of Waco transferred existing Lake Waco to the Government in return for use of the storage in the project at no cost.					

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division: Tulsa District		SWT WS Agreement Data			
		Agreement			
Project	User	Type	Date	Yield (MGD)	Interest Rate (%)
Arcadia Lake, OK	Edmond PWA	Original	1979	11.00	7.210
		Conduit			
Birch Lake, OK	***OKWRB***	***Assurance***	***N/A***	***3.00***	***3.469***
	OKWRB	***Conduit***	***N/A***	***N/A***	***3.469***
Broken Bow Lake, OK	OK Tourism & Recreation	Original	1988	0.07	2.742
		Conduit			
	Broken Bow PWA	Original	1990	4.87	
		Conduit			
	Unknown	***Assurance***	***N/A***	***165.34***	
		Conduit			
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***	***N/A***	***N/A***	***N/A***
		Conduit			
Council Grove, KS	State of Kansas	Original	1976	6.00	2.699
		Conduit		0.00	2.699
	State of Kansas **[3]**	Reallocated	1996	0.70	2.699
Denison Dam, L. Texoma, OK & TX	City of Denison, TX	Reallocated	1953	21.30	2.500
	TU Electric	Reallocated	1961	16.40	2.500
	Red River Auth. of TX **[4]**	Reallocated	1969	0.45	2.500
	Red River Auth. of TX	Reallocated	1983	2.02	10.051
	N. Texas MWD	Reallocated	1985	83.98	10.693
	Buncombe Creek View Ad	Reallocated	1992	0.00	8.125
	Greater Texoma Utility Auth.	Reallocated	1992	5.50	8.125
	Greater Texoma Utility Auth.	Reallocated	1997	5.50	7.125
	Commissioners of Land Office, OK	Reallocated	2005	0.29	5.125
	Greater Texoma Utility Auth.	Reallocated	2005	11.41	5.125
	North Texas Municipal Water District	Reallocated	2010	98.33	4.125
	Greater Texoma Utility Auth.	Reallocated	2010	45.83	4.125
	Greater Texoma Utility Auth.	Reallocated	2011	1.49	4.250
El Dorado Lake, KS	City of El Dorado **[5]**	Original	1972	6.19	3.502
	Conduit				
	Activate Future		1972	1.81	
	Activate Future		2003	2.99	
Elk City, KS	State of Kansas (includes conduit cost of $68,000)	Original	1976	10.00	2.742
	State of Kansas **[3]**	Reallocated	1996	2.20	2.742

(continued on next page)

Southwestern Division: Tulsa District		SWT WS Agreement Data			
Project	User	Agreement			
		Type	Date	Yield (MGD)	Interest Rate (%)
Tulsa District (continued)					
Eufaula Lake, OK	Pittsburg Co. Water Co.	Original	1968	0.76	2.591
	Haskell County Water Co.	Original	1968	0.35	2.591
	RWD #1, Haskell Co	Original	1969	0.36	2.591
	RWD #4, Pittsburg Co.	Original	1969	0.04	2.591
	RWD #3, Muskogee Co.	Original	1969	0.01	2.591
	Porum PWA	Original	1969	0.11	2.591
	City of Eufala	Original	1971	0.05	2.591
	Lakeside Water Co., Inc	Original	1971	0.02	2.591
	RWD #3, Haskell County	Original	1974	0.02	2.591
	Krebs Utility Auth.	Original	1980	0.50	2.591
	RWD #8, McIntosh Co.	Original	1981	0.29	2.591
	Activate Future		1981	1.07	2.591
	Porum PWA	Original	1981	0.36	2.591
	Pittsburg Co. PWA	Original	1981	0.27	2.591
	Activate Future		1981	0.17	2.591
	Longtown RWD & SD #1 (includes conduit cost of $475)	Original	1985	0.89	2.591
	Public Service Co. of OK (includes conduit cost of $49)	Original	1985	0.09	2.591
	McAlester PWA (includes conduit cost of $3,1620	Original	1987	5.58	2.591
	Bristow Point Property Owners Assoc. (includes conduit cost of $7)	Original	1989	0.01	2.591
	Warner Utilities Auth. (includes conduit cost of $118)	Original	1989	0.20	2.591
	Twin Rivers Estates, Inc. (includes conduit cost of $13)	Original	1990	0.01	2.591
	Bridgeport Dunes Condo Assoc. (includes conduit cost of $3)	Original	1990	0.01	2.591
	RWD #14, Pittsburg Co. (includes conduit cost of $176)	Original	1991	0.29	2.591
	Duchess Creek Mobile Park (includes conduit cost of $2)	Original	1992	0.00	2.591
	Warner Utilities Auth. (includes conduit cost of $104)	Original	1996	0.42	2.591
	RWD No. 2, Onapa (includes conduit cost of $658)	Original	1998	0.89	2.591
	Juniper Water Co. (includes conduit cost of $8,717)	Original	2001	10.66	2.591
	RWD #3 Muskogee Co. (includes conduit cost of $132)	Original	2009	0.13	2.591
	City of Checotah (includes conduit cost of $1,400)	Original	2009	1.43	2.591
	RWD #3, Muskogee Co.	Original	2009	0.05	2.591
	B&B Gas Wells	Original	2009	0.01	2.591
	OK Tourist & Rec. Dept, OK	Original	2010	0.01	2.591
	OK Tourist & Rec. Dept, OK	Original	2010	0.06	2.591
	City of Eufaula	Original	2010	0.50	2.591
	City of Eufaula	Original	2011	0.63	2.591
	OWRB	***Assurance***	***N/A***	***24.74***	***N/A***

(continued on next page)

Southwestern Division: Tulsa District		SWT WS Agreement Data			
Project	User	Agreement			
		Type	Date	Yield (MGD)	Interest Rate (%)
Tulsa District (continued)					
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 conduit cost of $32,800)	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	
	OWRB	***Assurance***	***N/A***	***2.68***	***N/A***
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, KS	State of Kansas (includes conduit cost of $10,000)	Original	1975	53.70	2.670
	State of Kansas **[3]**	Reallocated	1996	2.50	2.670
Kaw Lake, OK	Kaw Reservoir Auth.	Conduit	1980	0.00	3.222
	Stillwater Utility Authority	Original	1981	50.28	
	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 Irr.	2003	0.01	0.000
	Not Under Contract	***Assurance***	***N/A***	***78.25***	***N/A***
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***	***N/A***	***2.00***	***N/A***
Marion, KS	State of Kansas	Original	1976	6.94	3.046
	State of Kansas **[3]**	Reallocated	1996	2.23	
Oologah, OK	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	N/A	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	2.500
	Supplemented Space 2		1985	0.58	3.225
	RWD #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
(continued on next page)					

Southwestern Division: Tulsa District		SWT WS Agreement Data			
Project	User	Agreement			
		Type	Date	Yield (MGD)	Interest Rate (%)
Tulsa District (continued)					
Pat Mayse Lake, TX	City of Paris, TX (includes conduit cost of $10,000)	Original	1965	11.00	3.137
	Activate Future		1978	11.00	
	Activate Future		2010	33.00	
Pearson - Skubitz Big Hill Lake, KS	State of Kansas (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	
Sardis Lake, OK	OK Water Res. Board (includes conduit cost of $602,258) **[6]**	Original	1974	140.00	4.012
Skiatook Lake, OK	RWD #15, Osage Co.	Conduit	1984	0.00	4.012
	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	
	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	
	OK Water Res. Board	***Assurance***	***N/A***	***5.50***	***N/A***
Tenkiller Ferry Lake, OK	East Central OK Water Auth.	Reallocated	1964	0.31	2.500
	RWD #2, Cherokee Co. **[7]**	Reallocated	1967	0.10	2.500
	Sequoyah Fuels **[8]**				
	Summit Water Inc. **[7]**	Reallocated	1971	0.15	2.500
	Paradise Hills, Inc. **[7]**	Reallocated	1974	0.23	2.500
	Lake Tenkiller Associates **[7]**	Reallocated	1980	0.21	6.595
	Lake Reg. Elec. Dev. Coop. Inc.	Reallocated	1989	0.04	8.250
	Tenkiller Aqua Park	Reallocated	1990	0.02	8.250
	Gore Public Works Auth.	Reallocated	1990	0.50	8.250
	Mongold Water System	Reallocated	1990	0.01	8.250
	Lake Reg. Elec. Dev. Coop. Inc.	Reallocated	1991	0.03	9.125
	Pettit Bay Water Association	Reallocated	1991	0.01	9.125
	Fin and Feather Resort	Reallocated	1992	0.13	8.125
	Sixshooter Water System	Reallocated	1992	0.01	8.125
	Billy Joe Stewart	Reallocated	1992	0.01	8.125
	Bill Richardson	Reallocated	1992	0.00	8.125
	Indian Hills Estates Company	Reallocated	1993	0.01	7.500
	J.R. Mosteller	Reallocated	1993	0.01	7.500
	Lake Reg. Elec. Dev. Coop. Inc.	Reallocated	1994	0.03	6.125
	Lake Reg. Elec. Dev. Coop. Inc.	Reallocated	1994	0.01	6.125
	Burnt Cabin RWD Inc.	Reallocated	1994	0.01	6.125
	Sunny Heights Water System	Reallocated	1995	0.01	7.750
	Lake Tenkiller Development Co.	Reallocated	1995	0.00	6.125
	Charles Willige	Reallocated	1996	0.01	7.500
	Sequoyah County Water Association	Reallocated	1998	2.30	**[11]**
	Petit Mountain Water Association	Surplus	2003	0.01	**[11]**
	RWD #13 Cherokee Co.	Reallocated	2004	0.14	5.500
	Tahlequah PWA	Reallocated	2005	4.50	5.125
	Stick Ross Mountain Water Co.	Reallocated	2005	0.62	5.125
	Greenleaf Nursery Co. **[9]**	Interim Irr.	2005	0.32	**[11]**
	RWD #2, Cherokee County **[7]**	Reallocated	2007	0.10	4.875
	RWD #13, Cherokee, County	Reallocated	2007	0.10	4.875
	Greenleaf Nursery Company	Interim Irr.	2008	2.22	**[11]**
	Lake Reg. Elec. Dev. Coop. Inc.	Reallocated	2012	**[11]**	4.125
(continued on next page)					

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Southwestern Division: Tulsa District		SWT WS Agreement Data			
Project	User	Agreement			
		Type	Date	Yield (MGD)	Interest Rate (%)
Tulsa District (continued)					
Toronto Lake, KS	Kansas Water Office (includes conduit cost of $11,000)	Original	1964	**[11]**	2.584
	Kansas Water Office	Original	1982	**[11]**	**[11]**
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	
	Waurika PMCD	Original	2010	26.20	
Wister Lake, OK	Heavener Utility Auth. **[10]**	Reallocated / Modified	1963 / 2007	2.28	2.500
	Poteau Valley Improvement Auth.	Reallocated	1967	6.85	2.500
	AES Shady Point, Incorporated	Reallocated	1987	10.36	9.920
27 projects	**140 agreements + 22 Activate Future**			**1354.27**	

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Council Grove, Elk City, John Redmond and 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.

[4] 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.

[5] El Dorado. City traded lands for the project, they pay only O&M on this increment.

[6] Sardis Lake. Agreement was in litigation since 1990's for non-payment. Following a court settlement, final payment was made in 2010.

[7] Tenkiller Lake, East Central OK Water Auth, Cherokee Co., RWD #13 & #2, Sequoyah County Water Assn., Sequoyah 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.

[8] Tenkiller Lake, Sequoyah Fuels. Terminated by the sponsor in 2011 as allowed by this agreement.

[9] Tenkiller Lake, Greenleaf Nursery. Temporarily assigned to irrigation under Sec 931, PL 99-662 (interim use of water supply for irrigation). Cost based on original cost of storage.

[10] 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.

[11] Missing data pending district update.

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern 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	
		0	0	0	0	23,090
Birch Lake, OK	***OKWRB***	***0***	***0***	***7,630***	***7,630***	
	OKWRB	***0***	***0***	***0***	***0***	7,630
Broken Bow Lake, OK	OK Tourism & Recreation	60	0	0	60	
		0	0	0	0	
	Broken Bow PWA	4,241	4,054	0	8,295	
		0	0	0	0	
	Unknown	***0***	***0***	***144,085***	***144,085***	
		0	***0***	***0***	***0***	152,440
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***	
		0	***0***	***0***	***0***	7,500
Council Grove, KS	State of Kansas	24,400	0	0	24,400	
		0	0	0	0	
	State of Kansas **[3]**	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 **[4]**	450	0	0	450	
	Red River Auth. of TX	2,054	0	0	2,054	
	N. Texas MWD	85,406	0	0	85,406	
	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	300,001
El Dorado Lake, KS	City of El Dorado **[5]**	39,793	72,087	0	111,880	
	Conduit	0	0	0	0	
	Activate Future	11,666	0	0	11,666	
	Activate Future	19,254	0	0	19,254	142,800
Elk City, KS	State of Kansas (includes conduit cost of $68,000)	24,300	0	0	24,300	
	State of Kansas **[3]**	10,000	0	0	10,000	34,300

(continued on next page)

Southwestern 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	
Tulsa District (continued)						
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	
	City of Eufala	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.	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	
	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 of $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 $8,717)	12,040	0	0	12,040	
	RWD #3 Muskogee Co. (includes conduit cost of $132)	150	0	0	150	
	City of Checotah (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	
	City of Eufaula	709	0	0	709	
	OWRB	***0***	***0***	***27,636***	***27,636***	56,909
(continued on next page)						

Southwestern 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	
Tulsa District (continued)						
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 conduit cost of $32,800)	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, KS	State of Kansas (includes conduit cost of $10,000)	34,900	0	0	34,900	
	State of Kansas **[3]**	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	
	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, KS	State of Kansas	38,300	0	0	38,300	
	State of Kansas **[3]**	12,500	0	0	12,500	50,800
Oologah, OK	Town of Chelsea	670	860	0	1,530	
	Tulsa Metro Water Authority	0	0	0	0	
	Tulsa Metro Water Authority	N/A	N/A	N/A	N/A	
	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	
	RWD #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	9,365	0	0	9,365	342,600
(continued on next page)						

Southwestern 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	
Tulsa District (continued)						
Pat Mayse Lake, TX	City of Paris, TX (includes conduit cost of $10,000)	21,900	0	0	21,900	
	Activate Future	21,900	0	0	21,900	
	Activate Future	65,800	0	0	65,800	109,600
Pearson - Skubitz Big Hill Lake, KS	State of Kansas (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 conduit cost of $602,258) **[6]**	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	
	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. **[7]**	100	0	0	100	
	Sequoyah Fuels **[8]**	0	0	14,000	14,000	
	Summit Water Inc. **[7]**	140	0	0	140	
	Paradise Hills, Inc. **[7]**	220	0	0	220	
	Lake Tenkiller Associates **[7]**	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	
	Lake 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. **[9]**	300	0	0	300	
	RWD #2, Cherokee County **[7]**	99	0	0	99	
	RWD #13, Cherokee, County	100	0	0	100	
	Greenleaf Nursery Company	2,120	0	0	2,120	
	Lake Reg. Elec. Dev. Coop. Inc.	371	0	0	371	25,853
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial
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Southwestern 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	
Tulsa District (continued)						
Toronto Lake, KS	Kansas Water Office (includes conduit cost of $11,000)	265	0	0	265	
	Kansas Water Office	135	0	0	135	400
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	
	Waurika PMCD	109,600	0	0	109,600	151,400
Wister Lake, OK	Heavener Utility Auth. **[10]**	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
27 projects	**140 agreements + 22 Activate Future**	**1,619,714**	**337,009**	**304,919**	**2,261,642**	**2,261,642**
Notes:						
[1] Cost of storage as recorded in the agreement. Price level varies.						
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.						
[3] Council Grove, Elk City, John Redmond and 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.						
[4] 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.						
[5] El Dorado. City traded lands for the project, they pay only O&M on this increment.						
[6] Sardis Lake. Agreement was in litigation since 1990's for non-payment. Following a court settlement, final payment was made in 2010.						
[7] Tenkiller Lake, East Central OK Water Auth, Cherokee Co., RWD #13 & #2, Sequoyah County Water Assn., Sequoyah 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.						
[8] Tenkiller Lake, Sequoyah Fuels. Terminated by the sponsor in 2011 as allowed by this agreement.						
[9] Tenkiller Lake, Greenleaf Nursery. Temporarily assigned to irrigation under Sec 931, PL 99-662 (interim use of water supply for irrigation). Cost based on original cost of storage.						
[10] 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.						
[11] Missing data pending district update.						

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division: Tulsa District		SWT WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Arcadia Lake, OK	Edmond PWA	44,043,644	0	0	44,043,644	
		200,000	0	0	200,000	44,243,644
Birch Lake, OK	***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	2,063	0	0	2,063	
		59	0	0	59	
	Broken Bow PWA	161,281	107,585	0	268,866	
		8,908			8,908	
	Unknown	***0***	***0***	***3,776,221***	***3,776,221***	
		0	***0***	***105,233***	***105,233***	4,161,350
Canton Lake, OK	OK City Muni. Imp. Auth	2,806,884	0	0	2,806,884	2,806,884
Copan Lake, OK	Copan PWA	268,660	5,105,160	0	5,373,820	
	Unknown	***0***	***0***	***2,686,900***	***2,686,900***	
		0	***0***	***24,700***	***24,700***	8,085,420
Council Grove, KS	State of Kansas	1,403,764	0	0	1,403,764	
		58,000	0	0	58,000	
	State of Kansas **[3]**	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 **[4]**	9,100	0	0	9,100	
	Red River Auth. of TX	364,400	0	0	364,400	
	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	83,278,085
El Dorado Lake, KS	City of El Dorado **[5]**	10,212,200	18,499,576	0	28,711,776	
	Conduit	838,200			838,200	
	Activate Future	3,046,527	0	0	3,046,527	
	Activate Future	7,405,026		0	7,405,026	40,001,529
Elk City, KS	State of Kansas (includes conduit cost of $68,000)	2,146,666	0	0	2,146,666	
	State of Kansas **[3]**	1,150,580	0	0	1,150,580	3,297,246

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Southwestern Division: Tulsa District		SWT WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Tulsa District (continued)						
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	
	City of Eufala	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.	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	
	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 of $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 $8,717)	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 (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	41,453	0	0	41,453	
	City of Eufaula	57,544			57,544	
	OWRB	***0***	***0***	***2,217,061***	***2,217,061***	*6,265,092*
(continued on next page)						

Southwestern Division: Tulsa District		SWT WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Tulsa District (continued)						
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 conduit cost of $32,800)	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, KS	State of Kansas (includes conduit cost of $10,000)	4,498,911	0	0	4,498,911	
	State of Kansas **[3]**	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	
	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, KS	State of Kansas	1,576,327	0	0	1,576,327	
	State of Kansas **[3]**	2,187,785	0	0	2,187,785	3,764,112
Oologah, OK	Town of Chelsea	21,650	27,725	0	49,375	
	Tulsa Metro Water Authority	409,342	0	0	409,342	
	Tulsa Metro Water Authority	N/A	N/A	N/A	N/A	
	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	
	RWD #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
(continued on next page)						

Southwestern Division: Tulsa District		SWT WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Tulsa District (continued)						
Pat Mayse Lake, TX	City of Paris, TX (includes conduit cost of $10,000)	689,200	0	0	689,200	
	Activate Future	641,906	0	0	641,906	
	Activate Future	2,329,337	0	0	2,329,337	3,660,443
Pearson - Skubitz Big Hill Lake, KS	State of Kansas (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	307,580	1,156,452	0	1,464,032	2,987,538
Sardis Lake, OK	OK Water Res. Board (includes conduit cost of $602,258) **[6]**	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	
	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. **[7]**	2,020	0	0	2,020	
	Sequoyah Fuels **[8]**	282,500	0	0	282,500	
	Summit Water Inc. **[7]**	4,330	0	0	4,330	
	Paradise Hills, Inc. **[7]**	6,039	0	0	6,039	
	Lake Tenkiller Associates **[7]**	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	
	Lake 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. **[9]**	6,290	0	0	6,290	
	RWD #2, Cherokee County **[7]**	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	
	Lake Reg. Elec. Dev. Coop. Inc.	80,730	0	0	80,730	1,435,859
(continued on next page)						

2014 Water Supply Database - ANNEX I - Municipal and Industrial
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Southwestern Division: Tulsa District		SWT WS Storage Cost [1]				
Project	User	WS Agreement Storage Cost ($)				Project WS Storage Cost ($)
		Present	Future	Not Under Contract	Total	
Tulsa District (continued)						
Toronto Lake, KS	Kansas Water Office (includes conduit cost of $11,000)	32,410	0	0	32,410	
	Kansas Water Office	14,965	0	0	14,965	47,375
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	
	Waurika PMCD	25,366,553	0	0	25,366,553	60,018,231
Wister Lake, OK	Heavener Utility Auth. **[10]**	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
27 projects	**140 agreements + 22 Activate Future**	**309,719,909**	**61,541,592**	**32,769,980**	**404,031,481**	**404,031,481**

Notes:

[1] Cost of storage as recorded in the agreement. Price level varies.

[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.

[3] Council Grove, Elk City, John Redmond and 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.

[4] 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.

[5] El Dorado. City traded lands for the project, they pay only O&M on this increment.

[6] Sardis Lake. Agreement was in litigation since 1990's for non-payment. Following a court settlement, final payment was made in 2010.

[7] Tenkiller Lake, East Central OK Water Auth, Cherokee Co., RWD #13 & #2, Sequoyah County Water Assn., Sequoyah 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.

[8] Tenkiller Lake, Sequoyah Fuels. Terminated by the sponsor in 2011 as allowed by this agreement.

[9] Tenkiller Lake, Greenleaf Nursery. Temporarily assigned to irrigation under Sec 931, PL 99-662 (interim use of water supply for irrigation). Cost based on original cost of storage.

[10] 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.

[11] Missing data pending district update.

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division: Tulsa District		SWT Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District Percent
Arcadia Lake, OK	Edmond PWA	0	0	0	
		0	0	0	
Birch Lake, OK	***OKWRB***	***0***	***885,000***	***885,000***	
	OKWRB	***0***	***7,000***	***7,000***	
Broken Bow Lake, OK	OK Tourism & Recreation	0	0	0	
		0	0	0	
	Broken Bow PWA	32,776	107,585	140,361	
		0	0	0	
	Unknown	***0***	***3,776,221***	***3,776,221***	
		0	***105,233***	***105,233***	
Canton Lake, OK	OK City Muni. Imp. Auth	0	0	0	
Copan Lake, OK	Copan PWA	144,409	5,105,160	5,249,569	
	Unknown	***0***	***2,686,900***	***2,686,900***	
Council Grove, KS	State of Kansas	452,160	0	452,160	
		0	0	0	
	State of Kansas **[3]**	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 **[4]**	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.	2,838,616	0	2,838,616	
	North Texas Municipal Water District	0	0	0	
	Greater Texoma Utility Auth.	0	0	0	
	Greater Texoma Utility Auth.	532,816	0	532,816	
El Dorado Lake, KS	City of El Dorado **[5]**	0	18,500,017	18,500,017	
	Conduit	0	0	0	
	Activate Future	2,169,428	0	2,169,428	
	Activate Future	6,580,014		6,580,014	
Elk City, KS	State of Kansas (includes conduit cost of $68,000)	667,896	0	667,896	
	State of Kansas **[3]**	0	0	0	
(continued on next page)					

2014 Water Supply Database - ANNEX I - Municipal and Industrial
Agreement Data, Storage Space and Costs, and Remaining Principal by Agreement

Southwestern Division: Tulsa District		SWT Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District Percent
Tulsa District (continued)					
Eufaula Lake, OK	Pittsburg Co. Water Co.	10,172	0	10,172	
	Haskell County Water Co.	4,659	0	4,659	
	RWD #1, Haskell Co	0	0	0	
	RWD #4, Pittsburg Co.	736		736	
	RWD #3, Muskogee Co.	1,478	0	1,478	
	Porum PWA	0	0	0	
	City of Eufala	0	0	0	
	Lakeside Water Co., Inc	0	0	0	
	RWD #3, Haskell County	0	0	0	
	Krebs Utility Auth.	12,531	24,760	37,291	
	RWD #8, McIntosh Co.	15,492	0	15,492	
	Activate Future	210,794	0	210,794	
	Porum PWA	0	10,598	10,598	
	Pittsburg Co. PWA	14,311	0	14,311	
	Activate Future	30,950	0	30,950	
	Longtown RWD & SD #1 (includes conduit cost of $475)	13,847	0	13,847	
	Public Service Co. of OK (includes conduit cost of $49)	0	11,016	11,016	
	McAlester PWA (includes conduit cost of $3,1620	147,624	0	147,624	
	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 of $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 $8,717)	0	0	0	
	RWD #3 Muskogee Co. (includes conduit cost of $132)	0	0	0	
	City of Checotah (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	
	City of Eufaula	0	0	0	
	OWRB	***0***	***2,217,061***	***2,217,061***	
(continued on next page)					

Southwestern Division: Tulsa District		SWT Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District Percent
Tulsa District (continued)					
Heyburn, OK	Creek Co. RWD #1 (includes conduit cost of $51,250)	0	0	0	
	Creek Co. RWD #1	0	0	0	
	Creek Co. RWD #1	0	0	0	
Hugo Lake, OK	City of Hugo (includes conduit cost of $32,800)	42,426	1,082,390	1,124,816	
	Antlers Public Works Auth.	9,383	24,670	34,053	
	Western Farmers Elect. Coop	169,582	0	169,582	
	Activate Future	1,266,335	0	1,266,335	
	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	15,692	0	15,692	
	Hula Water District	0	0	0	
	City of Bartlesville	66,911	0	66,911	
John Redmond, KS	State of Kansas (includes conduit cost of $10,000)	246,021	0	246,021	
	State of Kansas **[3]**	0	0	0	
Kaw Lake, OK	Kaw Reservoir Auth.	0	0	0	
	Stillwater Utility Authority	877,702	10,290,008	11,167,710	
	Otoe-Missouria	0	0	0	
	OK Gas & Electric	936,158	0	936,158	
	Activate Future	2,252,448	0	2,252,448	
	Activate Future	7,946,822	0	7,946,822	
	Kaw Nation	0	0	0	
	Not Under Contract	***0***	***18,427,863***	***18,427,863***	
Keystone Lake, OK	Public Service Co. of OK	153,592	412,440	566,032	
	Activate Future	223,615		223,615	
	OWRB (includes conduit cost of $28,300)	***0***	***203,465***	***203,465***	
Marion, KS	State of Kansas	595,350	0	595,350	
	State of Kansas **[3]**	0	0	0	
Oologah, OK	Town of Chelsea	11,002	27,725	38,727	
	Tulsa Metro Water Authority	0	0	0	
	Tulsa Metro Water Authority	N/A	N/A	N/A	
	Supplemented Space 1	0	0	0	
	Supplemented Space 2	109,552	0	109,552	
	Supplemented Space 3	749,977	0	749,977	
	Supplemented Space 4	3,310,823	0	3,310,823	
	City of Collinsville	0	0	0	
	Supplemented Space 2	115,916	0	115,916	
	Public Service Co. of OK	0	0	0	
	Supplemented Space 2	280,715	0	280,715	
	RWD #4, Rogers Co.	0	0	0	
	Supplemented Space 2	25,248	0	25,248	
	RWD #3 Rogers Co.	0	0	0	
	Supplemental Space 2	103,293	0	103,293	
	Town of Chelsea	0	0	0	
	Supplemented Space 2	0	0	0	
	RWD #3, Washington Co.	10,283	0	10,283	
	Claremore Public Works Auth	8,935	0	8,935	
	Claremore Public Works Auth	0	0	0	
	Public Service Co. of OK	0	0	0	
(continued on next page)					

Southwestern Division: Tulsa District		SWT Remaining Principal Owed [2]			
		Amount Owed ($)			
Project	User	Present	Future	Total	District Percent
Tulsa District (continued)					
Pat Mayse Lake, TX	City of Paris, TX (includes conduit cost of $10,000)	0	0	0	
	Activate Future	0	0	0	
	Activate Future	0	0	0	
Pearson - Skubitz Big Hill Lake, KS	State of Kansas (includes cost of conduit)	1,326,321	4,465,256	5,791,577	
Pine Creek Lake, OK	Weyerhaeuser	342,959	0	342,959	
	Activate Future	129,933	1,156,452	1,286,385	
Sardis Lake, OK	OK Water Res. Board (includes conduit cost of $602,258) **[6]**	0	19,760,089	19,760,089	
Skiatook Lake, OK	RWD #15, Osage Co.	503,925	0	503,925	
	RWD #15, Osage Co.	0	563,867	563,867	
	Sand Springs Municipal Auth.	1,270,641	0	1,270,641	
	Sapulpa Municipal Auth.	401,736	0	401,736	
	Activate Future	457,862	0	457,862	
	Skiatook PWA	371,186	0	371,186	
	Skiatook PWA	0	0	0	
	Sapulpa Municipal Auth.	398,233	0	398,233	
	Sands Springs Municipal Auth.	1,962,021	0	1,962,021	
	Sapulpa Municipal Auth.	511,010	0	511,010	
	OK Water Res. Board	***0***	***1,472,286***	***1,472,286***	
Tenkiller Ferry Lake, OK	East Central OK Water Auth.	0	0	0	
	RWD #2, Cherokee Co. **[7]**	146	0	146	
	Sequoyah Fuels **[8]**	0	0	0	
	Summit Water Inc. **[7]**	0	0	0	
	Paradise Hills, Inc. **[7]**	0	0	0	
	Lake Tenkiller Associates **[7]**	0	0	0	
	Lake Reg. Elec. Dev. Coop. Inc.	0	0	0	
	Tenkiller Aqua Park	833	0	833	
	Gore Public Works Auth.	0	0	0	
	Mongold Water System	0	0	0	
	Lake 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.	0	0	0	
	Tahlequah PWA	359,557	0	359,557	
	Stick Ross Mountain Water Co.	74,795	0	74,795	
	Greenleaf Nursery Co. **[9]**	0	0	0	
	RWD #2, Cherokee County **[7]**	15,489	0	15,489	
	RWD #13, Cherokee, County	204	0	204	
	Greenleaf Nursery Company	10,860	0	10,860	
	Lake Reg. Elec. Dev. Coop. Inc.	76,470	0	76,470	
(continued on next page)					

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Southwestern Division: Tulsa District		SWT Remaining Principal Owed [2]			
Project	User	Amount Owed ($)			
		Present	Future	Total	District Percent
Tulsa District (continued)					
Toronto Lake, KS	Kansas Water Office (includes conduit cost of $11,000)	0	0	0	
	Kansas Water Office	0	0	0	
Waurika Lake, OK	Waurika Project Master Conservation District (includes conduit cost of $222,991)	2,175,470	0	2,175,470	
	Waurika PMC Dist Eastern	316,371	0	316,371	
	Waurika PMC Dist Southern	15,113,130	0	15,113,130	
	Waurika PMC Dist Western	9,752,797	0	9,752,797	
	Waurika PMCD	0	0	0	
Wister Lake, OK	Heavener Utility Auth. **[10]**	0	0	0	
	Poteau Valley Improvement Auth.	16,151	0	16,151	
	AES Shady Point, Incorporated	0	0	0	
27 projects	**140 agreements + 22 Activate Future**	**68,996,590**	**91,449,073**	**160,445,663**	**40%**
Notes:					
[1] Cost of storage as recorded in the agreement. Price level varies.					
[2] Remaining principal for activated future use storage is reported as present use and may include accrued interest on the unpaid balance after the end of the ten-year interest free period, as applicable.					
[3] Council Grove, Elk City, John Redmond and 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.					
[4] 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.					
[5] El Dorado. City traded lands for the project, they pay only O&M on this increment.					
[6] Sardis Lake. Agreement was in litigation since 1990's for non-payment. Following a court settlement, final payment was made in 2010.					
[7] Tenkiller Lake, East Central OK Water Auth, Cherokee Co., RWD #13 & #2, Sequoyah County Water Assn., Sequoyah 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.					
[8] Tenkiller Lake, Sequoyah Fuels. Terminated by the sponsor in 2011 as allowed by this agreement.					
[9] Tenkiller Lake, Greenleaf Nursery. Temporarily assigned to irrigation under Sec 931, PL 99-662 (interim use of water supply for irrigation). Cost based on original cost of storage.					
[10] 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.					
[11] Missing data pending district update.					

2014 Water Supply Database - ANNEX II - Irrigation:
Project Data and Costs, Annual Data and Costs

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MSC, District and Project			Joint Irrigation Storage Projects						
			Authorizations and Total Project Storage and Costs						
MSC	**District**	**Project**	**Basin**	**Basin Authority (PL)**	**Project Authority (Public Law)**	**Authority for Irrigation (PL)**	**Project Completion Date**	**Total Project Storage Space (AF)**	**Total Original Project Cost ($)**
NWD	**Omaha**	Ft. Peck, MT	Missouri	Section 9, PL 78-534	N/A	PL 78-534	1940	18,688,000	161,100,000
		Garrison, ND					1960	23,821,000	294,000,000
		Oahe, ND/SD					1958	23,137,000	380,000,000
		Big Bend, SD					1963	1,859,000	85,000,000
		Ft. Randall, SD					1956	5,418,000	185,900,000
		Gavins Point, SD/NE					1957	410,000	47,800,000
	Total NWO	**6 projects**						**73,333,000**	**1,153,800,000**
NWO Remarks:									
Costs based on Missouri Mainstem Reservoir System Allocation of Costs (22 December 1958). While there is some irrigation use out of these reservoirs, there are no irrigation agreements and irrigation withdrawals are not measured.									
NWD	**Walla Walla**	Lucky Peak, ID	Middle Snake	N/A	PL 79-526	PL 78-534	1955	307,000	19,652,081
	sub with storage	**1 project**						**307,000**	**19,652,081**
		Ice Harbor, WA	Lower Snake	PL 79-14	N/A	PL 79-14	1962	0	124,406,300
		Little Goose, WA					1970	0	210,179,000
		Lower Granite, WA					1975	0	369,876,000
		Lower Monumental, WA					1969	0	233,145,000
		McNary, OR/WA	Middle Columbia	PL 79-14	N/A	PL 79-14	1953	0	284,991,373
	sub run-of-the-river	**5 projects**						**0**	**1,222,597,673**
	Total NWW	**6 projects**						**307,000**	**1,242,249,754**
NWW Remarks:									
For the one project with joint storage space, there is no approved cost allocation and no way to measure the first cost of the joint storage space. For the district's five run-of-river projects, there are no costs associated with or assigned to irrigation. While some irrigation is possibly being performed, withdrawals are not measured.									

MSC, District and Project			Joint Irrigation Storage Projects						
			Authorizations and Total Project Storage and Costs						
MSC	**District**	**Project**	**Basin**	**Basin Authority (PL)**	**Project Authority (Public Law)**	**Authority for Irrigation (PL)**	**Project Completion Date**	**Total Project Storage Space (AF)**	**Total Original Project Cost ($)**
NWD	**Portland**	Blue River,OR	Willamette	PL 81-516	N/A	PL 78-534	1968	89,500	33,839,752
		Cottage, OR					1942	48,000	5,168,657
		Cougar, OR					1963	200,000	127,730,937
		Detroit / Big Cliff, OR					1953	472,600	101,206,962
		Dorena, OR					1949	131,100	15,210,444
		Fall Creek, OR					1965	125,100	22,407,616
		Fern Ridge, OR					1941	111,400	10,652,529
		Foster, OR					1967	60,800	
		Green Peter, OR					1967	428,100	97,648,868
		Hills Creek, OR					1962	355,600	55,743,250
		Lookout Point / Dexter, OR					1955	477,700	126,649,869
		Applegate, 0R	Rogue	PL 87-874	N/A	PL 87-874	1980	76,160	90,018,688
		Lost Creek, OR					1976	465,000	150,204,595
		Willow Creek, OR	Willow Creek	N/A	PL 89-298	PL 89-298	1984	14,090	36,844,339
	sub with storage	**14 projects**						**3,055,150**	**873,326,506**
		John Day, OR/WA	Lower Columbia	PL 81-516	N/A	PL 81-516	1971	0	706,041,704
		The Dalles, OR/WA					1973	0	493,861,110
	sub run-of-the-river	**2 projects**						**0**	**1,199,902,814**
	Total NWP	**16 projects**						**3,055,150**	**2,073,229,320**
NWP Remarks:									
This district has two projects that are re-regulation dams for hydroelectric power working in tandem with two main projects in order to provide the authorized system benefits. Basic project data for these re-regulation projects are included, but there are no costs associated with or assigned to irrigation. The Portland district also has two run-of-river projects. At these projects there are also no costs associated with or assigned to irrigation and while there may be some irrigation being performed, there are no agreements and irrigation withdrawals are not measured.									
NWD With Storage		**21 projects**						**76,695,150**	**2,046,778,587**
NWD Run-of-River		**7 projects**						**0**	**2,422,500,487**
TOTAL NWD		**28 projects**						**76,695,150**	**4,469,279,074**

MSC, District and Project			Joint Irrigation Storage Projects						
			Authorizations and Total Project Storage and Costs						
MSC	**District**	**Project**	**Basin**	**Basin Authority (PL)**	**Project Authority (Public Law)**	**Authority for Irrigation (PL)**	**Project Completion Date**	**Total Project Storage Space (AF)**	**Total Original Project Cost ($)**
SWD	**Ft. Worth**	Belton	Lower Brazos	N/A	PL 83-780	79-526	1954 with a pool raise in 1972	1,097,600	17,191,734
	Total SWF	**1 Project**						**1,097,600**	**17,191,734**
SWF Remarks:									
The district has only one project with irrigation. At this project there are 45,000 acre-feet earmarked for irrigation or municipal and industrial water uses. Costs for this storage space are not available. Neither municipal and industrial nor irrigation is currently utilizing the 45,000 acre-feet of storage space.									
TOTAL SWD		**1 Project**						**1,097,600**	**17,191,734**
NATIONAL TOTALS									
With Joint Storage		**22 projects**						**77,792,750**	**2,063,970,321**
Run-of- River		**7 Projects**						**0**	**2,422,500,487**
National Total		**29 Projects**						**77,792,750**	**4,486,470,808**
Table Notes:									
N/A = Not Applicable									

MSC, District and Project			Joint Irrigation Storage Projects									
			Cost and Storage Data			Purposes Authorized to Share in Joint Use Storage						
MSC	District	Project	Project Joint Use Storage Space (AF)	First Cost Assigned to Joint Use Storage ($)	Percent O&M Costs Assigned to Irrigation (%)	Irr.	FC	Hydro	Envir. Flows including F&W and Water Quality	Nav.	Rec	M&I WS
NWD	**Omaha**	Ft. Peck, MT	17,713,000	34,306,500	Not Available	x	x	x	x	x	x	x
		Garrison, ND	22,332,000	57,864,800	Not Available	x	x	x	x	x	x	x
		Oahe, ND/SD	22,035,000	55,750,500	Not Available	x	x	x	x	x	x	x
		Big Bend, SD	1,799,000	Not Available	Not Available	x	x	x	x	x	x	x
		Ft. Randall, SD	4,433,000	Not Available	Not Available	x	x	x	x	x	x	x
		Gavins Point, SD/NE	351,000	Not Available	Not Available	x	x	x	x	x	x	x
	Total NWO	**6 projects**	**68,663,000**	**147,921,800**								
NWO Remarks:												
Costs based on Missouri Mainstem Reservoir System Allocation of Costs (22 December 1958). While there is some irrigation use out of these reservoirs, there are no irrigation agreements and irrigation withdrawals are not measured.												
NWD	**Walla Walla**	Lucky Peak, ID	280,000	N/A	27	x	x		x	x	x	
	sub with storage	**1 project**	**280,000**	**0**								
		Ice Harbor, WA	Run of River			x		x		x	x	
		Little Goose, WA	Run of River			x		x		x	x	
		Lower Granite, WA	Run of River			x		x		x	x	
		Lower Monumental, WA	Run of River			x		x		x	x	
		McNary, OR/WA	Run of River			x		x		x	x	
	sub run-of-the-river	**5 projects**	**0**	**0**								
	Total NWW	**6 projects**	**280,000**	**0**								
NWW Remarks:												
For the one project with joint storage space, there is no approved cost allocation and no way to measure the first cost to the joint storage space. For the district's five run-of-river projects, there are no costs associated with or assigned to irrigation. While some irrigation is possibly being performed, irrigation withdrawals are not measured.												

MSC, District and Project			Joint Irrigation Storage Projects									
			Cost and Storage Data			Purposes Authorized to Share in Joint Use Storage						
MSC	District	Project	Project Joint Use Storage Space (AF)	First Cost Assigned to Joint Use Storage ($)	Percent O&M Costs Assigned to Irrigation (%)	Irr.	FC	Hydro	Envir. Flows including F&W and Water Quality	Nav.	Rec	M&I WS
NWD	**Portland**	Blue River,OR	78,800	33,140,052	28	x	x		x	x	x	
		Cottage, OR	28,900	2,974,080	32		x		x		x	
		Cougar, OR	136,800	53,345,532	6	x	x	x	x	x	x	
		Detroit / Big Cliff, OR	281,600	44,189,640	8		x	x	x	x	x	
		Dorena, OR	65,000	14,612,568	40.4	x	x		x	x	x	
		Fall Creek, OR	108,200	21,531,831	41	x	x		x	x	x	
		Fern Ridge, OR	94,500	5,220,699	45	x	x		x	x	x	
		Foster, OR	24,800	N/A	N/A	x	x	x	x	x	x	
		Green Peter, OR	249,900	97,934,426	6.5	x	x	x	x	x	x	
		Hills Creek, OR	194,600	42,137,032	11.5	x	x	x	x	x	x	
		Lookout Point / Dexter, OR	324,200	79,010,800	2	x	x	x	x	x	x	
		Applegate, 0R	75,000	80,693,212	N/A		x		x			x
		Lost Creek, OR	315,000	109,038,469	N/A	x	x		x			x
		Willow Creek, OR	3,710	N/A	20.8	x	x		x			
	sub with storage	**14 projects**	**1,981,010**	**583,828,341**								
		John Day, OR/WA	Run of River			x	x	x	x	x	x	
		The Dalles, OR/WA	Run of River			x		x	x	x	x	
	sub run-of-the-river	**2 projects**	**0**	**0**	**0**							
	Total NWP	**16 projects**	**1,981,010**	**583,828,341**								
NWP Remarks:												
This district has two projects (Big Cliff and Dexter) that are re-regulation dams for hydroelectric power working in tandem with two main projects in order to provide the authorized system benefits. Basic project data for these re-regulation projects are included, but there are no costs associated with or assigned to irrigation. The Portland district also has two run-of-river projects. At these projects there are also no costs associated with or assigned to irrigation and while there may be some irrigation being performed, there are no agreements and irrigation withdrawals are not measured.												
	NWD With Storage	**21 projects**	**70,924,010**	**731,750,141**								
	NWD Run-of-River	**7 projects**	**0**	**0**								
TOTAL NWD		**28 projects**	**70,924,010**	**731,750,141**								

MSC, District and Project			Joint Irrigation Storage Projects									
			Cost and Storage Data			Purposes Authorized to Share in Joint Use Storage						
MSC	District	Project	Project Joint Use Storage Space (AF)	First Cost Assigned to Joint Use Storage ($)	Percent O&M Costs Assigned to Irrigation (%)	Irr.	FC	Hydro	Envir. Flows including F&W and Water Quality	Nav.	Rec	M&I WS
SWD	**Ft. Worth**	Belton	45,000	87,466		x	x				x	x
	Total SWF	**1 Project**	**45,000**	**87,466**								
SWF Remarks:												
The district has only one project with irrigation. At this project there are 45,000 acre-feet earmarked for irrigation or municipal and industrial water uses. Costs for this storage space are not available. Neither municipal and industrial nor irrigation is currently utilizing the 45,000 acre-feet of storage space.												
TOTAL SWD		**1 Project**	**45,000**	**87,466**								
NATIONAL TOTALS												
	With Joint Storage	**22 projects**	**70,969,010**	**731,837,607**								
	Run-of- River	**7 Projects**	**0**	**0**								
	National Total	**29 Projects**	**70,969,010**	**731,837,607**								
Table Notes:												
N/A = Not Applicable												

MSC, District and Project			Joint Irrigation Storage Projects				
			Annual Data for 2012				
MSC	District	Project	Total Annual O&M Cost Billed to Irrigation ($) [1]	Average Yearly Flow Released for Irrigation (AF/Year)	Number of Irrigation Agreements	Number of Acres Irrigated	Project Remarks
NWD	**Omaha**	Ft. Peck, MT	0	0	0	0	
		Garrison, ND	0	0	0	0	
		Oahe, ND/SD	0	0	0	0	
		Big Bend, SD	0	0	0	0	
		Ft. Randall, SD	0	0	0	0	
		Gavins Point, SD/NE	0	0	0	0	
	Total NWO	**6 projects**	**0**	**0**	**0**	**0**	
NWO Remarks:							
Costs based on Missouri Mainstem Reservoir System Allocation of Costs (22 December 1958). While there is some irrigation use out of these reservoirs, there are no irrigation agreements and irrigation withdrawals are not measured.							
NWD	**Walla Walla**	Lucky Peak, ID	163,340	71,018	20	48,000	
	sub with storage	**1 project**	**163,340**	**71,018**	**20**	**48,000**	
		Ice Harbor, WA	0	0	0	0	Run-of-River project, incidential irrigation
		Little Goose, WA	0	0		0	Run-of-River project, incidential irrigation
		Lower Granite, WA	0	0	0	0	Run-of-River project, incidential irrigation
		Lower Monumental, WA	0	0	0	0	Run-of-River project, incidential irrigation
		McNary, OR/WA	0	0	0	0	Run-of-River project, incidential irrigation
	sub run-of-the-river	**5 projects**	**0**	**0**	**0**	**0**	
	Total NWW	**6 projects**	**163,340**	**71,018**	**20**	**48,000**	
NWW Remarks:							
For the one project with joint storage space, there is no approved cost allocation and no way to measure the first cost to the joint storage space. For the district's five run-of-river projects, there are no costs associated with or assigned to irrigation. While some irrigation is possibly being performed, irrigation withdrawals are not measured.							

MSC, District and Project			Joint Irrigation Storage Projects				
			Annual Data for 2012				
MSC	District	Project	Total Annual O&M Cost Billed to Irrigation ($) [1]	Average Yearly Flow Released for Irrigation (AF/Year)	Number of Irrigation Agreements	Number of Acres Irrigated	Project Remarks
NWD	**Portland**	Blue River,OR	247,155	2,579	15	1,495	(1) Additional legislation in House Document 531. (2) This project is one of 13 projects in the Willamette Basin operated as a system. There is 1.6 million AF of joint-use storage in the system. (3) Irrigation contracts are broken out by reach. Some reaches are supplied by multiple projects. The number of irrigation agreements and acres irrigated is an estimate based on proportion of conservation storage.
		Cottage, OR	266,111	1,122	5	613	See Blue River
		Cougar, OR	145,740	4,476	26	2,595	See Blue River
		Detroit / Big Cliff, OR	148,887	13,096	36	3	Values provided are for Detroit. Big Cliff is a re-regulation dam acting together with Detroit as a system. Big Cliff primarily is for hydropower production and provides no storage or benefits for irrigation.
		Dorena, OR	372,129	2,464	9	1,306	(1) Additional legislation in House Document 544. (2) This project is one of 13 projects in the Willamette Basin operated as a system. There is 1.6 million AF of joint-use storage in the system.
		Fall Creek, OR	587,345	2,915	8	1,717	See Blue River
		Fern Ridge, OR	755,182	15,085	56	7,044	See Dorena
		Foster, OR	N/A	N/A	N/A	N/A	See Detroit. (1) Additional legislation in SD 104. (2) Costs and joint use storage percent combined with Green Peter. (3) Storage not typically used to satisfy irrigation demand. The demand is met with flows from Green Peter.
		Green Peter, OR	233,414	4,622	23	2,613	See Blue River
		Hills Creek, OR	217,652	5,255	11	3,093	See Blue River
		Lookout Point / Dexter, OR	79,492	8,755	18	5,153	Values provided are for Lookout Point. Dexter is a re-regulation dam acting together with Lookout Point as a system. Dexter is primarily for hydropower production and provides no storage or benefits for irrigation.
		Applegate, 0R	N/A	N/A	143	1,917	66,000 AF in the normal conservation pool with 9,000 AF of carryover storage.
		Lost Creek, OR	N/A	N/A	151	3,196	180,000 AF in the normal conservation pool with 135,000 AF of carryover storage.

MSC, District and Project			Joint Irrigation Storage Projects				
			Annual Data for 2012				
MSC	District	Project	Total Annual O&M Cost Billed to Irrigation ($) [1]	Average Yearly Flow Released for Irrigation (AF/Year)	Number of Irrigation Agreements	Number of Acres Irrigated	Project Remarks
NWD	**Portland**	Willow Creek, OR	N/A	N/A	1	2,538	(1) 3,710 AF of combined joint-use and specific irrigation storage. (2) Recent Congressional action and a 2008 FONSI has changed irrigation operation from emergency use in drought situations to provide for the long-term withdrawal of storage water as an irrigation source for downstream agricultural lands.
	sub with storage	**14 projects**	**3,053,107**	**60,369**	**502**	**33,283**	
		John Day, OR/WA	0	0	0	0	Run-of-river, no conservation storage
		The Dalles, OR/WA	0	0	0	0	Run-of-river, no conservation storage
	sub run-of-the-river	**2 projects**	**0**	**0**	**0**	**0**	
	Total NWP	**16 projects**	**3,053,107**	**60,369**	**502**	**33,283**	
NWP Remarks:							
This district has two projects that are re-regulation dams for hydroelectric power working in tandem with two main projects in order to provide the authorized system benefits. Basic project data for these re-regulation projects are included, but there are no costs associated with or assigned to irrigation. The Portland district also has two run-of-river projects. At these projects there are also no costs associated with or assigned to irrigation and while there may be some irrigation being performed, there are no agreements and irrigation withdrawals are not measured.							
NWD With Storage		**21 projects**	**3,216,447**	**131,387**	**522**	**81,283**	
NWD Run-of-River		**7 projects**	**0**	**0**	**0**	**0**	
TOTAL NWD		**28 projects**	**3,216,447**	**131,387**	**522**	**81,283**	

MSC, District and Project			Joint Irrigation Storage Projects				
			Annual Data for 2012				
MSC	District	Project	Total Annual O&M Cost Billed to Irrigation ($) [1]	Average Yearly Flow Released for Irrigation (AF/Year)	Number of Irrigation Agreements	Number of Acres Irrigated	Project Remarks
SWD	**Ft. Worth**	Belton	0	0	0	0	PL 79-526 modified by PL 83-780
	Total SWF	**1 Project**	**0**	**0**	**0**	**0**	
SWF Remarks:							
The district has only one project with irrigation. At this project there are 45,000 acre-feet earmarked for irrigation or municipal and industrial water uses. Costs for this storage space are not available. Neither municipal and industrial nor irrigation is currently utilizing the 45,000 acre-feet of storage space.							
TOTAL SWD		**1 Project**	**0**	**0**	**0**	**0**	
NATIONAL TOTALS							
With Joint Storage		**22 projects**	**3,216,447**	**131,387**	**522**	**81,283**	
Run-of- River		**7 Projects**	**0**	**0**	**0**	**0**	
National Total		**29 Projects**	**3,216,447**	**131,387**	**522**	**81,283**	
Table Notes:							
N/A = Not Applicable							
[1]: Present year can be either calendar or fiscal year, depending on the available data.							

MSC, District and Project			Specific Irrigation Storage Projects						
			Authorizations and Total Project Storage and Costs						
MSC	**District**	**Project**	**Basin**	**Basin Authority (PL)**	**Project Authority (Public Law)**	**Authority for Irrigation (PL)**	**Project Completion Date**	**Total Project Storage Space (AF)**	**Total Project Cost ($)**
NWD	**Kansas City**	Harlan County	Republican	N/A	PL 78-534	PL 78-534	1952	850,000	51,837,000
		Kanopolis	Smoky Hill	N/A	PL 75-761	PL 78-534	1946	389,087	12,327,735
		Wilson		N/A	PL 78-534	PL 78-534	1964	776,000	20,573,293
	Total NWK	**3 projects**						**2,015,087**	**84,738,028**
NWK Remarks:									
Variable Annual Data is for only one of the three projects. For the other two projects the storage is not being used for irrigation nor is it expected to be in the foreseeable future.									
TOTAL NWD		**3 projects**						**2,015,087**	**84,738,028**
SPD	**Sacramento**	Black Butte Lake, CA	Sacramento	N/A	PL 78-534	PL 78-534	1962	160,000	14,500,000
		Eastman, CA	San Joaquin	N/A	PL 87-874	PL 87-874	1976	150,000	29,000,000
		Hensley, CA		N/A	PL 87-874	PL 87-874	1975	90,500	31,785,000
		Isabella Lake, CA		N/A	PL 78-534	PL 78-534	1953	570,000	22,027,000
		Kaweah Lake, CA	Tulare-Buena Vista Lakes	N/A	PL 78-534	PL 78-534	1962	185,630	19,303,000
		New Hogan Lake, CA		N/A	PL 78-534	PL 78-534	1964	325,000	15,906,000
		Pine Flat, CA		N/A	PL 78-534	PL 78-534	1954	1,000,000	42,072,000
		Success Lake, CA		N/A	PL 78-534	PL 78-534	1961	85,000	14,247,000
	Total SPK	**8 projects**						**2,566,130**	**188,840,000**
SPK Remarks:									
The annual operation and maintenance costs for these projects are billed directly to the irrigator, for return to the Corps for deposit into the U.S. Treasury: New Hogan Lake, Pine Flat Lake, Success Lake, Lake Isabella, & Terminus Dam Lake Kaweah									
SPD	**Albuquerque**	Abiquiu, NM	Rio Grande	N/A	PL 80-858	PL 97-140	1963	178,000	21,300,000
		Conchas, NM	Upper Canadian	N/A	PL 74-738	PL 74-738	1939	671,179	15,760,000
		John Martin, CO	Upper Arkansas	N/A	PL 74-738	PL 74-738	1948	793,400	15,300,000
		Santa Rosa, NM		N/A	PL 83-780	PL 78-534	1979	447,100	41,039,056
		Trinidad, CO		N/A	PL 85-500	PL 78-534	1977	165,267	44,900,000
	Total SPA	**5 Projects**						**2,254,946**	**138,299,056**
TOTAL SPD		**13 Projects**						**4,821,076**	**327,139,056**

MSC, District and Project			Specific Irrigation Storage Projects						
			Authorizations and Total Project Storage and Costs						
MSC	**District**	**Project**	**Basin**	**Basin Authority (PL)**	**Project Authority (Public Law)**	**Authority for Irrigation (PL)**	**Project Completion Date**	**Total Project Storage Space (AF)**	**Total Project Cost ($)**
SWD	**Tulsa**	Waurika	Red-Ouachita	N/A	PL 88-253	PL 78-534	1977	287,200	66,880,696
	Total SWT	**1 Project**						**287,200**	**66,880,696**
TOTAL SWD		**1 Project**						**287,200**	**66,880,696**
NATIONAL TOTALS		**17 Projects**						**7,123,363**	**478,757,780**
Table Notes:									
N/A = Not Applicable									

MSC, District and Project			Specific Irrigation Storage Projects										
			Cost and Storage Data			Specific Authorized Purposes							
MSC	**District**	**Project**	**Specific Irrigation Storage Space (AF)**	**First Cost Assigned to Specific Irrigation Storage ($)**	**Percent O&M Costs Assigned to Irrigation (%)**	**Irr.**	**FC**	**Hydro**	**Envir. Flows including F&W and Water Quality**	**Nav.**	**Rec**	**M&I WS**	**Other (identify)**
NWD	**Kansas City**	Harlan County	150,000	11,528,800	15.35								
		Kanopolis	162,500	Not available									
		Wilson	225,000	Not available									
	Total NWK	**3 projects**	**537,500**	**11,528,800**									
NWK Remarks:													
Variable Annual Data is available for only one of the three projects. For the other two projects the storage is not being used for irrigation nor is it expected to be in the foreseeable future.													
TOTAL NWD		**3 projects**	**537,500**	**11,528,800**									
SPD	**Sacramento**	Black Butte Lake, CA	Not available	Not available	40.2	x	x						
		Eastman, CA	140,000	1,600,000	40.4	x	x		x		x		
		Hensley, CA	90,500	1,230,000	15.5	x	x		x		x		
		Isabella Lake, CA	535,000	4,573,000	21.7	x	x						
		Kaweah Lake, CA	142,000	3,160,000	14.1	x	x						
		New Hogan Lake, CA	310,000	5,757,972	36.2	x	x						
		Pine Flat, CA	1,000,000	14,259,000	37.4	x	x						
		Success Lake, CA	75,000	1,377,500	9.5	x	x						
	Total SPK	**8 projects**	**2,292,500**	**31,957,472**									
SPK Remarks:													
New Hogan, Pine Flat, Success, Isabella, and Kaweah lakes: The annual operation and maintenance costs for these projects are billed directly to the irrigator, and receipts returned to the Corps for deposit into the U.S. Treasury.													
SPD	**Albuquerque**	Abiquiu, NM	0	0	0								
		Conchas, NM	254,203	0	Not available	x	x	x			x		
		John Martin, CO	333,912	0	Not available	x	x		x		x		
		Santa Rosa, NM	200,000	0	Not available	x	x						
		Trinidad, CO	20,000	6,435,600	19.82	x	x				x		
	Total SPA	**5 Projects**	**808,115**	**6,435,600**									
TOTAL SPD		**13 Projects**	**3,100,615**	**38,393,072**									

MSC, District and Project			Specific Irrigation Storage Projects										
			Cost and Storage Data			Specific Authorized Purposes							
MSC	**District**	**Project**	**Specific Irrigation Storage Space (AF)**	**First Cost Assigned to Specific Irrigation Storage ($)**	**Percent O&M Costs Assigned to Irrigation (%)**	**Irr.**	**FC**	**Hydro**	**Envir. Flows including F&W and Water Quality**	**Nav.**	**Rec**	**M&I WS**	**Other (identify)**
SWD	**Tulsa**	Waurika	18,200	4,166,040	Not available	x	x					x	
	Total SWT	**1 Project**	**18,200**	**4,166,040**									
TOTAL SWD		**1 Project**	**18,200**	**4,166,040**									
NATIONAL TOTALS		**17 Projects**	**3,656,315**	**54,087,912**									
Table Notes:													
N/A = Not Applicable													

MSC, District and Project			Specific Irrigation Storage Projects				
			Annual Data for 2012				
MSC	District	Project	Total Annual O&M Cost Billed to Irrigation ($) [1]	Average Yearly Flow Released for Irrigation (AF/Year)	Number of Irrigation Agreements	Number of Acres Irrigated	Project Remarks
NWD	**Kansas City**	Harlan County	186,449	0	2	62,900	
		Kanopolis	0	0	0	0	While there is irrigation authority, there are currently no contracts.
		Wilson	0	0	0	0	While there is irrigation authority, there are currently no contracts.
	Total NWK	**3 projects**	**186,449**	**0**	**2**	**62,900**	
NWK Remarks:							
Variable Annual Data is available for only one of the three projects. For the other two projects the storage is not being used for irrigation nor is it expected to be in the foreseeable future.							
TOTAL NWD		**3 projects**	**186,449**	**0**	**2**	**62,900**	
SPD	**Sacramento**	Black Butte Lake, CA	Not available	Not available	1	64,000	
		Eastman, CA	Not available	Not available	1	85,000	
		Hensley, CA	Not available	Not available	1	228,292	
		Isabella Lake, CA	304,878	Not available	1	109,000	O&M receipts returned to Corps for deposit in U.S. Treasury.
		Kaweah Lake, CA	103,534	54,700	1	340,000	O&M receipts returned to Corps for deposit in U.S. Treasury.
		New Hogan Lake, CA	327,246	Not available	1	143,300	O&M receipts returned to Corps for deposit in U.S. Treasury.
		Pine Flat, CA	633,693	Not available	1	1,000,000	O&M receipts returned to Corps for deposit in U.S. Treasury.
		Success Lake, CA	56,211	70,000	1	104,000	O&M receipts returned to Corps for deposit in U.S. Treasury.
	Total SPK	**8 projects**	**1,425,562**	**124,700**	**8**	**2,073,592**	
SPK Remarks:							
New Hogan, Pine Flat, Success, Isabella, and Kaweah lakes: The annual operation and maintenance costs for these projects are billed directly to the irrigator, and receipts returned to the Corps for deposit into the U.S. Treasury.							

MSC, District and Project			Specific Irrigation Storage Projects				
			Annual Data for 2012				
MSC	**District**	**Project**	**Total Annual O&M Cost Billed to Irrigation ($) [1]**	**Average Yearly Flow Released for Irrigation (AF/Year)**	**Number of Irrigation Agreements**	**Number of Acres Irrigated**	**Project Remarks**
SPD	**Albuquerque**	Abiquiu, NM	0	0	0	0	Memorandum of Agreement in effect between USACE and the local sponsor to use Abiquiu for the storage of San Juan-Chama Project water. This is an interbasin transfer of water. 5000 acre-feet is allocated for re-regulation of irrigation water in transit from upstream storage. No annual data is to be captured or reported.
		Conchas, NM	0	25,582	0	41,379	Memorandum of Understanding in effect between USACE and USBR, 19-Jul-1941, as amended 22-Jul-1946
		John Martin, CO	0	164,690	0	130,000	Interstate Compact in effect between Colorado and Kansas
		Santa Rosa, NM	0	31,555	0	**25,000**	Memorandum of Understanding in effect between USACE and USBR , 8-Sep-1971
		Trinidad, CO	158,204	49,298	1	19,719	
	Total SPA	**5 Projects**	**158,204**	**271,125**	**1**	**216,098**	
TOTAL SPD		**13 Projects**	**1,583,766**	**395,825**	**9**	**2,289,690**	
SWD	**Tulsa**	Waurika	0	0	0	0	Irrigation storage has never been utilized. Current interest in reallocating to M&I.
	Total SWT	**1 Project**	**0**	**0**	**0**	**0**	
TOTAL SWD		**1 Project**	**0**	**0**	**0**	**0**	
NATIONAL TOTALS		**17 Projects**	**1,770,215**	**395,825**	**11**	**2,352,590**	

Table Notes:

N/A = Not Applicable

[1]: Present year can be either calendar or fiscal year, which ever matches the available data.

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