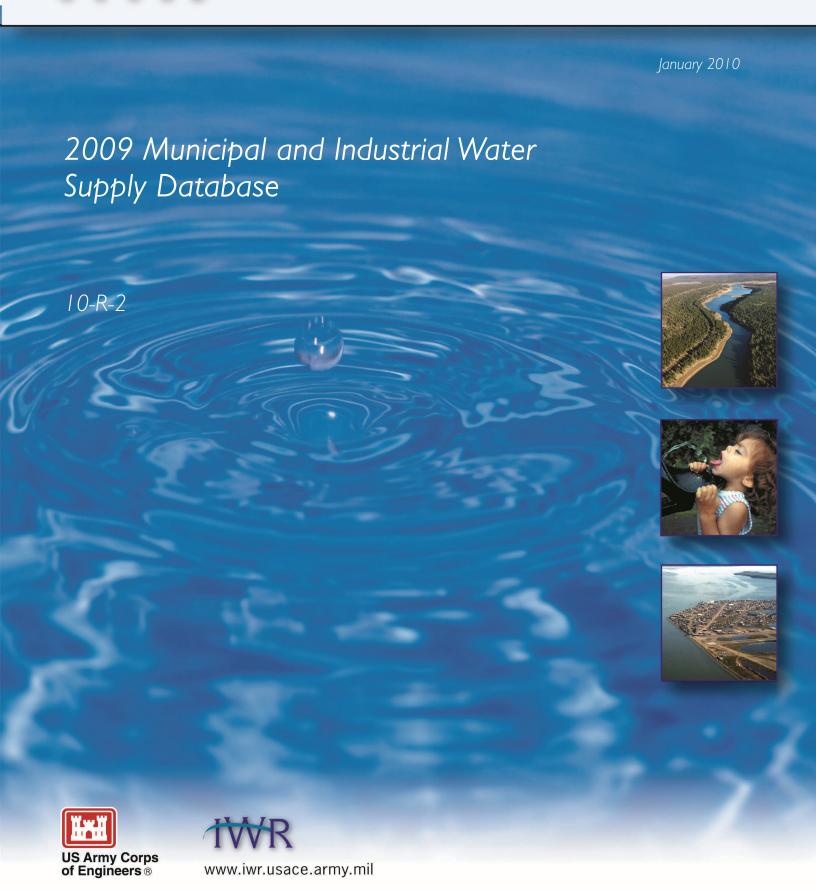


Institute for Water Resources



U.S. Army Institute for Water Resources

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

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

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

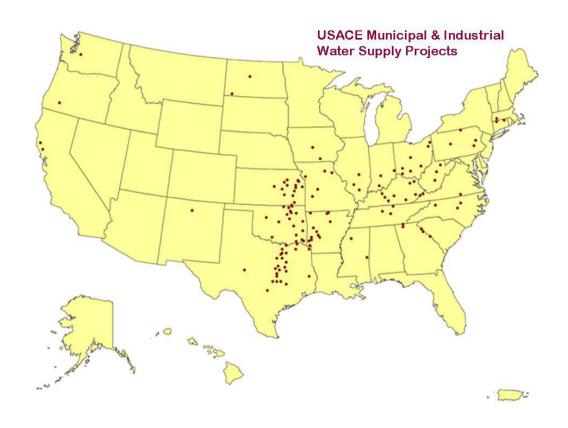
Other enterprise centers at the Institute's NCR office include the International Center for Integrated Water Resources Management (ICIWaRM), which is a distributed, intergovernmental center, established in partnership with various Universities and non-Government organizations; and a Collaborative Planning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

The U.S. Army Corps of Engineers Water Supply program has periodically produced the Water Supply Database. This document revises a 2006 report. Future reports are anticipated to be published yearly. For further information on the U.S. Army Corps of Engineers M&I Water Supply Database please contact Mr. Ted Hillyer at 703-428-6140 or via e-mail at: Theodore.M.Hillyer@usace.army.mil

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

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



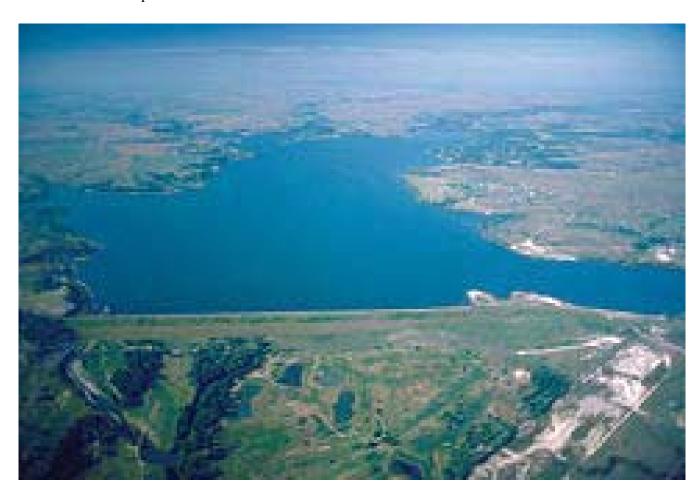
Prepared by: Theodore M. Hillyer National Water Supply Business Program Manager

IWR Report 10-R-02

January 2010

Benbrook Lake, Texas

The Benbrook Lake project is operated and maintained by the Ft. Worth District and includes about 87,000 acre-feet of storage space for municipal and industrial water supply. The district has repayment agreements for this storage space with the City of Ft. Worth, the Benbrook Water and Sewer Authority and the Tarrant Regional Water District. For this storage space the local sponsors have agreed to reimburse the Federal Government \$3.1 million plus the annual operation and maintenance expense. Of the \$3.1 million investment cost, approximately \$1.3 million has been repaid.



Preface and Acknowledgement

PREFACE

This report provides data on projects operated and maintained by the U. S. Army Corps of Engineers which contain storage space for municipal and industrial (M&I) water supply. Data are limited to those projects where storage has been authorized and/or is under a repayment through either a storage or surplus water agreement. The data are current as of 30 September 2009 and updates the 2005 data contained in IWR Report 06-PS-1 dated April 2006. The data in this report have been in the process of being developed through the Corps' Operation & Maintenance Business Information Link (OMBIL). Developing the data in the automated OMBIL eliminates the need to update the data through yearly paper data calls. The development of the water supply module has been a difficult process and resulted in several meetings where district and MSC representatives met with the contactor (CDM of Carbondale, IL) and IWR to go over the procedures and actually load the data from their water supply agreements. It is anticipated the original loading of the data into OMBIL will be finalized this year at which time it is the intent to issue a water supply database report on an annual basis. New data will be required to be loaded into OMBIL only when an existing agreement is terminated or modified, new agreements are initiated, projects are modified and for the yearly revenue and expense data.

Water supply has recently received the attention of Congress due to the legal issues surrounding the Buford Dam Lake Sidney Lanier project in northern Georgia. Between 1973 and 1990, the Corps entered into a series of contracts for withdrawals of water from Lake Lanier or from the Chattahoochee River downstream. These contracts did not, by their terms, provide for storage space, and the Corps has never formally reallocated storage for water supply at Lake Lanier. In 1989 the Corps prepared a draft post-authorization change report that recommended reallocation of 207,000 acre-feet for water supply. Litigation halted the reallocation proposal, the withdrawal contracts expired and the status quo was preserved through memorandums of understanding and compacts. While water is being supplied from Lake Lanier for M&I purposes, as there are no water storage agreements, as noted above, the data are not included in the database.

This report provides an update of data contained in the 2006 report collected through OMBIL as well as from additional data collected as a result of the recent Congressional interest. This report is intended for use by district and division personnel to assist in the management of their M&I water supply program and for Washington level personnel in preparation of yearly progress reports and for responding to requests from the public, Congress and the Administration.

ACKNOWLEDGEMENT

Many individuals in the USACE's MSCs and districts are to be thanked for their actions in the development of the water supply module of OMBIL, in the additional detailed drills required to respond to the recent concerns of Congress and in the review of this report. Of particular note are the MSC Water Supply Business Program Managers: William Sutyak (NAD), Terry Stratton (SAD), Ronny Sadri (LRD), Kevin Curran (MVS), Jim Fredericks (NWD), S.T.

Water Supply 2009 Database

Su (SPD) and Adrienne Carter and her replacement Gloria Pena (SWD) and Helen Stupplebeen (POD). There are many additional division and district individuals who assisted these program managers, many of which I am not even aware. To these individuals, I want to provide my thanks and appreciation for a job well done.

Table of Contents

<u>Item</u>	Page Number
PREFACE AND ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	v
A. BACKGROUND	1
1. Federal Interest	1
2. Definitions	1
a. Municipal and Industrial	
b. Agricultural	
3. Database History	1
4. Current Database	2
B. MUNICIPAL AND INDUSTRIAL WATER SUPPLY 2009 DATABASE	2
1. Projects, Agreements and Storage Space	2
2. Investment Cost and Repayment	
3. Data Summary by MSC	3
4. Comparison to Earlier Data	
5. Not under Contract	4
6. Location of Projects	5
7. Reallocations	5
a. National Summary by District	5
b. Progression of Reallocations by Decade	6
c. Source	
d. Cost Determination	
8. Revenues Received Versus Costs of Collection	
9. Local Sponsors	
10. People Served	
11. Percent of National Needs Met	
12 New M&I Projects	
C. AGRICULTURAL WATER SUPPLY (2004)	
1. Introduction	
2. Irrigation Storage in the West	
3. Irrigation outside the West	
a. Central and Southern Florida Project	12
b. Grand Prairie, Arkansas	12
TABLES	
1. M&I Water Supply Storage Space Summary by Division	3
2. Distribution of M&I water supply projects by MSC	
3. Comparison of Storage Space	
4. Storage Not Under Contract	
5. Distribution of M&I Water Supply Projects by State	
6. Reallocations by District	
7. Reallocations by Decade	
8. Source of Reallocated Storage	

Water Supply 2009 Database

9. Method Used to Determine Cost of Storage	
11. Storage Distribution by Non-Federal Sponsor	
12. Summary of Personal and Household Needs Met	
13 USGS Water use Categories	
14. Summary of Irrigation Data in the West (2004)	
APPENDICES	
A. Water Supply Storage Space by Project	15
B. Storage Space, Costs and Remaining Principal by Agreement	19
C. Reallocations by Agreement	
D. Project Yield Potential	87

A. BACKGROUND

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

2. Definitions.

- a. <u>Municipal and Industrial</u>. The term "municipal and industrial" (M&I), while not defined in legislative history, have been defined by the Corps to mean supply for uses customarily found in the operation of municipal water systems and for uses in industrial processes. Industrial processes can include thermal power generation and mining operations. Under the terms of the 1958 Water Supply Act 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. 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.
- b. <u>Agricultural</u>. 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 west of the 98th meridian. Section 8 of the 1944 Flood Control Act provides that Corps reservoirs may include irrigation as a purpose upon the recommendation of the Secretary of the Interior. Section 8 also provides Interior (in those 17 Western States) with the authority to provide the irrigation works needed to make use of the irrigation storage. It is Interior's responsibility to construct, operate and maintain the additional irrigation works and to contract for the storage space. In areas outside the western states, the Corps is responsible and the policies established by subsection 103(c)(3) of WRDA '86 are followed for cost and repayment responsibilities
- 3. <u>Database History.</u> The M&I water supply database was originally developed and maintained by HQUSACE on a continual basis as the agreements were approved. The database consisted of the date of contract approval, storage space and costs and the local sponsor. Data on irrigation storage was first compiled in a 1982 survey of the districts by HQUSACE. This was a onetime data call and the data were never updated. The first available on line database of both M&I and irrigation storage is contained in the *Water Supply Handbook*, IWR Report 96-PS-4, dated December 1998 and is based on a 1996 survey. This report can be found at: http://www.iwr.usace.army.mil/docs/iwrreports/96ps4.pdf. Municipal and industrial water supply was established as one of the eight business programs for Corps' budgeting purposes in the fiscal year 2005 budget. In order to manage this business program properly it was necessary

to update certain data and develop new data that could be used to assess the performance of the water supply program. By memorandum dated 6 May 2004, the Chief of the Programs, Directorate of Civil Works called for an update of this 1996 data as well as the collection of new data. The data were developed and is presented in IWR Report 05-PS-1 titled "Water Supply Survey." 2004 This found **Database** http://www.iwr.usace.army.mil/docs/iwrreports/IWRReport05-PS-1.pdf. 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 was reviewed and updated as necessary. This 2005 data were presented in IWR Report 06-PS-1 dated April 2006 and can be found at:

http://www.iwr.usace.army.mil/docs/iwrreports/IWRRpt06-PS-1.pdf.

4. Current Database. To eliminate the need for yearly data calls to the MSCs and districts to update the water supply database, in the spring of 2006 efforts were initiated to develop within the Operation and Maintenance Business Information Link (OMBIL), a module for M&I water supply. A module for irrigation water supply will considered after the M&I module is up and running satisfactorily. 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 framework is intended to reduce entry of like information into multiple systems and form a consistent basis for decision-making. By automating the data elements necessary to evaluate effectiveness and efficiency, O&M project and program managers have ready access to the data required to evaluate activities and results, relevant to their business and program/project goals. Because of the development of the module and the conversion of the data into the module, a water supply database report has not been prepared since the April 2006 report. For OMBIL reports on water supply go to: https://ombil.usace.army.mil/MainFrames/BusinessFrame.htm. At this site, click on the water supply tab and then the green box by Business Function Reports to observe various reports. Please note that this site is still under review.

B. MUNICIPAL AND INDUSTRAL WATER SUPPLY 2009 DATABASE

1. Projects, Agreements and Storage Space. Of the approximately 380 Corps of Engineers reservoir projects operated and maintained by the Corps of Engineers, 133 contain 11.1 million acre-feet of storage space allocated for M&I water supply. A list of these 133 projects by MSC and district with corresponding M&I water supply storage space is provided at **Appendix A**. These projects are located in 22 of the Corps 38 Civil Works districts. Of the total 11.1 million acre-feet of storage, 10.5 million acre-feet is under contract for repayment by non-Federal water supply users in 320 agreements plus 46 supplemental agreements. Most of these supplemental agreements converted future use storage to present use storage, but most require its own agreement for repayment purposes. Five of the 133 agreements (all located the Tulsa District) are just for water conduits. The remaining 0.6 million acre-feet are not yet under contract and not currently used for water supply storage.

- 2. <u>Investment Cost and Repayment</u>. The total investment cost for the 11.1 million acre-feet of allocated M&I storage is \$1.453 billion. This cost includes the construction cost and the interest during construction. It does not include interest accumulated after the end of the ten-year period or late interest. Of the \$1.453 billion, \$808 million has been repaid by non-Federal water supply users. Of the remaining \$645 million of unpaid costs, \$471 million is the balance to be repaid under the terms of present use contracts, \$90 million for repayment under future use arrangements and \$84 million has not yet been placed under contract for repayment.
- 3. <u>Data Summary by MSC</u>. The national M&I water supply totals, summarized by Major Subordinate Command are shown in **Table 1**. A breakout by district, project and agreement is provided as **Appendix B**. There are no water supply storage projects in the Pacific Ocean Division. This table only includes the data for agreements in force under the 1958 Water Supply Act, as amended and the 1944 Flood Control Act. It does not include projects where incidental benefits occur for water supply because water supply users can withdraw water that is normally available for other purposes without a direct repayment agreement. Such projects include Buford Dam/Lake Lanier, GA, the Central and Southern Flood Control project in Florida, the six Missouri Main Stem Reservoirs, 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.

MSC No. of No. of Storage Space (acre-feet) **Investment Cost (\$000) Projects** Agreements Under Under **Not Under** Total **Total Costs** Remaining Contract Contract Contract Owed Balance to **Future** be Repaid **Present** NAD 8 8 0 168,575 145,665.4 41,178.9 168,575 0 SAD 10 25 0 0 209,623 34,093.4 16,684.8 209,623 26 21,600 **LRD** 39 617,032 76,020.6 38,293.8 595,432 0 MVD 8 11 211,314 188,470 46,326 446,110 35,970.6 12,579.9 NWD 17 37 440.269 496.080 81.729 1,018,078 146.621.8 96.815.6 SPD 3 3 323,000 0 323,000 122,161.0 97,411.3 197 + 46**SWD** 61 7.575.574 306.477 477,825 8,359,876 892,429.4 342,032.9 supplemental Total 133 9,523,787 991,027 627,480 11,142,294 1.452.962.2 644,997.2 320 + 46supple-

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

The term "Under Contract Present" indicates the sponsor has already repaid the investment cost owed or is in the process of repaying. "Under Contract Future" indicates the sponsor has a signed an agreement to repay the costs, but has not yet initiated payments. "Not Under Contract" is where a state or local interest gave reasonable assurances that there would be a demand in the future for the water but a repayment contact has not yet been signed. Additional information on the not under contact category is provided in following paragraph 5. From this table 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 2**. Again it must be recognized that this distribution does not recognize the indirect water withdrawals identified above which impact primarily SAD, LRD and NWD.

mental

Table 2: Distribution of M&I Water Supply Projects by MSC

MSC	Percent of M&I Projects (%)	Percent of M&I Storage (%)
NAD	6.0	1.5
SAD	7.5	1.9
LRD	19.5	5.5
MVD	6.0	4.0
NWD	12.8	9.1
SPD	2.3	2.9
SWD	45.9	75.1

4. Comparison to Earlier Data. The comparison of storage volumes between the four data bases (1996, 2004, 2005 and 2009) is provided in **Table 3.** The changes in the storage volume are due to several factors: reallocation actions, supplementing future use agreements into present use agreements, expiring agreements and the necessity (required by OMBIL) of district representatives getting back into old agreements and actually loading data into the module rather than relying on paper updates.

Table 3: Comparison of Storage Space

Survey Date	Storage Space (acre-feet)				
	Present Use	Future Use	Not Under Contract	Total	
1996	6,335,393	2,410,539	778,699	9,524,631	
2004	7,002,679	2,105,660	747,554	9,855,893	
2005	7,185,969	2,169,670	404,837	9,760,476	
2009	9,523,787	991,027	627,480	11,142,294	

5. Not under Contract. Not under contact is M&I storage space included in projects under project authority and in accordance with the 1958 Water supply Act prior to its amendment by Section 932 of the 1986 Water Resources Development Act. Some 627,480 acre-feet of storage remains in this not under contract category. This storage is located in seven districts, four MSCs and 16 projects. The total allocated storage of 627,480 acre-feet has a corresponding repayment investment cost of \$84 million. These data are shown in **Table 4.** In this table, the total actual repayment by any prospective sponsor can be greater than the investment cost shown as interest after the 10-year interest free period must be included.

Table 4: Storage Not Under Contract

MSC	District	Project	Storage Space (acre-feet	Investment Cost (\$)
LRD	LRP	Berlin Lake, OH	19,400	1,366,300
		Stonewall Jackson, WV	2,200	4,300,000
MVD	MVK	DeGray, AR	46,326	1,519,493
NWD	NWK	Smithville Lake, MO	75,547	14,873,000
	NWP	Lost Creek, OR	6,182	4,168,152
SWD	SWL	DeQueen Lake, AR	17,275	11,900.000
	SWF	Grapevine, TX	60,000	2,573,695
	SWT	Birch Lake, OK	7,630	885,000
		Broken Bow Lake, OK	144,085	3,881,544
		Eufaula Lake, OK	27,916	4,009,866
		Hugo Lake, OK	2,198	125,990
		Kaw Lake, OK	80,217	18,373,933
		Keystone OK	2,000	203,500
		Pearson Skubitz – Big	0	21,244
		Hill Lake, KS (conduit)		
		Skiatook Lake, OK	26,904	4,021,250
		Waurika Lake, OK	109,600	11,790,671
TOTAL		16 Projects	627,480	84,013,638

6. <u>Location of Projects</u>. The 133 Corps multipurpose reservoir projects that contain storage space for M&I water supply are located in 26 states. This distribution by state is provided in **Table 5**. Note that in Table 5, the number of projects exceeds 133 as some projects are located on the border of two states.

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

State	Number	State	Number	State	Number
Arkansas	13	Massachusetts	2	Oregon	1
California	2	Maryland	1	Pennsylvania	5
Connecticut	1	Missouri	5	South Carolina	3
Georgia	5	Mississippi	2	Tennessee	3
Iowa	2	North Carolina	3	Texas	25
Illinois	3	North Dakota	2	Virginia	3
Indiana	3	New Mexico	1	Washington	1
Kansas	15	Ohio	7	West Virginia	5
Kentucky	10	Oklahoma	20		

7. Reallocations.

a. <u>National Summary by District</u>. As the Corps is generally not constructing new multipurpose reservoir projects that could include M&I water supply storage, an increasing necessity to meet the demands of state and local interests is through reallocations. The national summary of our reallocations, summarized by district is shown in **Table 6**. A detailed summary of reallocations by agreement is provided in **Appendix C.** The appendix provides this detailed breakout by district, date of agreement, source of reallocated storage and method employed to determine the cost. See following paragraph d for a definition of "Agreement Cost."

Table 6: Reallocations by District

MSC	District	Projects (Number)	Agreements (Number)	Years Reallocated (Between)	Storage Space Reallocated (acre feet)	Agreement Cost (\$)
NAD	NAB	2	2	1986 - 1994	30,960	50,753,000
SAD	SAW	1	4	1984 - 2006	21,115	4,806,517
	SAS	3	12	1964 – 2002	30,773	6,744,279
	SAM	2	4	1963 - 1991	20,329	3,729,712
LRD	LRH	3	3	2000 - 2004	6,336	300,543
	LRL	4	6	1968 - 2006	6,716	542,017
	LRN	4	14	2003 - 2008	27,253	13,622,653
	LRP	1	1	1999	11,000	224,500
MVD	MVK	2	2	1996 – 1998	6,075	1,222,649
NWD	NWK	7	10	1986 – 2002	179,463	26,888,944
SWD	SWL	6	19	1970 – 2006	68,691	4,276,387
	SWF	1	1	1984	91,074	5,793,449
	SWT	7	46	1953 - 2007	222,785	32,710,495
Total	13	43	124	1953 - 2008	722,570	151,615,145

As shown in the table, between 1953 and 2008 we have signed 124 agreements for 722,570 acrefeet of storage space with a repayment value of \$151.6 million. These numbers represent 34% of our agreements, 6% of the storage space and 10% of the investment cost owed.

b. <u>Progression of Reallocations by Decade</u>. While our water supply reallocation activity dates back to the 1950s, it has become more prevalent since the mid-1980s after enactment of the Water Resources Development Act of 1986 and the policies that have emanated from that Act. The progression by decade of the contracts signed, the storage space and assigned costs as a result of reallocations, are shown in **Table 7**. Over the past few years it has become increasingly difficult to perform reallocation studies due to the limitations on the Corps' operation and maintenance budget. Actions are underway to correct this difficulty through the National Portfolio Assessment for Reallocations. This national study, originally included in the President's FY 2008 budget, is supported by both the Administration and Congress. Funding to continue the study as well as additional activities has been included in subsequent budgets. The National Portfolio portion of the study is scheduled for completion this fiscal year.

Table 7: Reallocations by Decade

Decade	No. of Agreements Signed	Storage Space (acre-feet)	Total Agreement Cost to be Repaid (\$)
1950s	1	21,300	292,861
1960s	10	41,538	2,195,402
1970s	12	42,400	3,917,192
1980s	14	229,250	68,064,305
1990s	51	251,464	45,912,164
2000s	36	136,638	31,2632,221
TOTAL	124	722,570	151,615,145

c. <u>Source</u>. Reallocations come from various pools within the reservoir. This breakout by the reallocated purpose and the corresponding storage space and cost to be recovered is shown in **Table 8**.

Source of Reallocated Storage	No. of Agreements Signed	Storage Space Reallocated	Total Agreement Cost (\$)
Flood Pool	47	96,884	46,951,619
Hydropower Pool	46	246,932	53,409,997
Water Quality Pool	9	153,860	17,592,530
Conservation Pool	14	64,018	17,819,312
Multipurpose Pool	1	50,000	9,256,704
Not Available	7	110,896	6,583,983
		_	
TOTAL	124	722,570	151,615,145

Table 8: Source of Reallocated Storage

d. <u>Cost Determination</u>. 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. Originally, when storage was reallocated to M&I, the assigned cost was normally determined based on the use-of-facilities cost allocation method applied to the original project cost. In 1977 the Corps policy changed to adjusting the repayment cost to the highest of benefits or revenues foregone, replacement cost or the updated cost of storage. There are also several reallocations performed as a result of specific or generic authorization. The summary of these methods used to determine costs is provided in **Table 9**.

Table 9: Method Used to Determine Cost of Storage

Method Used to Determine Cost	No. of Agreements Signed	Storage Space Reallocated (acre-feet)	Total Agreement Cost (\$)
Original Cost	11	61,703	2,620,253
Benefits Foregone	12	37,476	9,001,668
Revenues Foregone	2	5,512	386,046
Replacement Cost	4	1,204	155,971
Updated Cost of Storage	77	417,762	121,653,929
Kansas MOU	8	150,500	17,429,547
Reduced FC Costs	8	17, 260	367,731
Special Authorization at no charge	2	31,153	0
TOTAL	124	722,570	151,615,145

8. <u>Revenues Received Versus Costs of Collection</u>. All revenues received from the sponsors for M&I water supply are deposited into the U.S. Treasury. This requirement dates back to at least

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¹ 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. There were a number of terms to the MOU that made the utilization of this cost possible.

Section 6 of the 1944 Flood Control Act (33 U.S.C. § 708) (58 Stat. 890). Revenues are comprised of the repayment of investment costs, interest, and the assigned portion of the yearly operation, maintenance, repair, replacement and rehabilitation (O&M) costs. There are several categories of interest: (1) on principal, (2) charged after the 10-year interest free period (when applicable), (3) additional interest if the above interest "(2)" is capitalized, and (4) interest on late payments. Costs of collection include the manpower required by the districts to determine these costs, bill the sponsor, collect the revenue and return the revenue to the U.S. Treasury. Data obtained from Corps of Engineers Financial Management System is provided in **Table 10**. While water supply revenues have been returned to the U.S. Treasury as far back as at least 1944, the tracking of these revenues to water supply was only initiated in fiscal year 2005 when water supply was instituted as a business line. The last three years of the data are provided in the table.

FY Revenues (\$) Costs of \$ Returned to Principal Interest Total Collection Treasury per O&M \$ Expended (\$) 07 14,987,409 16,796,990 13,914,392 45,698,791 821,632 55 15,843,266 16,286,546 11,647,090 43,776,902 1,227,171 35 80 09 16,573,811 16,213,881 13,433,483 46,221,175 1,059,683 44 Average 15,801,495 16,432,472 12,998,321 45,232,288 1,036,162 44

Table 10: CEFMS Revenues and Cost of Collections for Water Supply

9. <u>Local Sponsors</u>. Corps water supply agreements are with a variety of local sponsors: states (including commonwealths), river basin commissions, counties, cities, industry, private individuals and Indian Tribes. A summary of the M&I storage distribution by local sponsor is provided as **Table 11**. In the table, River Basin Commissions are located in two states, Pennsylvania and Texas. While the majority of the storage is with River Basin Commissions, the majority of our agreements are with utilities and water districts. Cities rank second in both acre-feet of storage and number of agreements. In this table the "other" includes combinations of city/county/water districts, Boy Scout camps, private individuals and Indian Tribes.

Table 11: Stora	ge Distributior	by Non-Fe	deral Sponsor

Type of Sponsor	Storage Space (acre-feet)		No. of Agre	ements
	Acre-feet	%	Number	%
River Basin Commissions	3,733,313	36	36	10
Cities	2,484,412	23	92	25
States / Commonwealths	1,946,692	19	38	11
Utilities / Water Districts	1,813,795	17	132	36
Industries / Corporations	339,995	3	38	9
County	99,583	1	7	2
Other	97,024	1	23	7
TOTAL	10,514,814	100	366	100

10. People Served. The Corps sells storage space and not water. Under normal circumstances a local sponsor will request a certain yield in perhaps million gallons of water per day and then the Corps computes the required acre-feet of storage based on certain 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 D, Table 12 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 11.1 million acre-feet will provide a yield of about 5.4 billion gallons of water per day. This yield is theoretically capable of meeting the total city needs of about 4.5 million people or the individual indoor household needs of about 80.8 million people.

Table 12: Population Served by Corps M&I Water Supply

Office	Total M&I Storage	Yield from the	Population Served			
	Space (acre-feet)	Storage Space (MGD)	Total Requirements	Indoor Household		
North Atlantic D	ivision					
New England	60,740	156.40	130,333	2,317,037		
Philadelphia	35,880	57.40	47,833	850,370		
Baltimore	71,955	240.00	200,000	3,555,555		
Total	168,575	453.80	378,166	6,722,962		
South Atlantic D	Division					
Wilmington	144,915	220.01	183,342	3,259,407		
Savannah	31,279	65.81	54,842	974,963		
Mobile	33,429	78.25	65,209	1,159,259		
Total	209,623	364.392	303,392	5,393,629		
Lakes and River	Division					
Huntington	92,366	124.17	103,475	1,839,556		
Louisville	462,573	397.10	330,917	5,882,963		
Nashville	27,253	89.28	74,400	1,322,667		
Pittsburgh	34,840	53.80	59,000	1,048,889		
Total	617,032	664.35	567,792	10,094,075		
Mississippi Valle	ev Division					
Rock Island	14,900	48.47	40,392	718,074		
St. Louis	186,406	127.50	106,254	1,888,955		
Vicksburg	244,804	163.90	136,583	2,428,148		
Total	446,110	339.87	283,229	5,035,177		
Northwestern Di	lyleion					
Kansas City	915,788	400.55	333,792	5,934,074		
Omaha	69,890	17.06	14,217	252,741		
Portland	10,000	8.93	7,442	132,296		
Seattle	22,400	Not available	Not available	Not available		
Total	1,018,078	426.54	355,451	6,319,111		
Occath Decitic Di						
South Pacific Di San Francisco	vision 323,000	288.41	240,342	4,272,741		
Total	323,000	288.41	240,342	4,272,741		
	,			.,,		
Southwestern D						
Little Rock	376,284	484.08	397,800	7,072,000		
Ft. Worth	5,878,836	1,102.19	933,402	16,587,407		
Tulsa	2,104,756	1,301.16	1,084,300	19,276,444		
Total	8,359,876	2,895.07	2,415,142	42,935,851		
National Total	11,142,294	5,426.47	4,543,514 [1]	80,773,546		

^[1] Yield is theoretically capable of meeting the total city needs of about 4.5 million people

^[2] Yield is theoretically capable of meeting the indoor household needs of about 80.8 million people.

^{11. &}lt;u>Percent of National Needs Met</u>. As shown in Table 12, M&I storage space in Corps projects is capable of providing approximately 5.4 billions gallons of water per day. The United States Geologic Survey estimated total offstream withdrawals of 410 billion gallons per day of water for the year 2005 (http://water.usgs.gov/watuse/). Offstream withdrawals occurs when water is

withdrawn or diverted from a ground or surface water source for public water supply, industry, irrigation, livestock, cooling for thermoelectric power generation, mining and domestic purposes. The USGS report subdivides the water use into several categories which can be summarized into three main groupings and are shown in **Table 13**.

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

Table 13: USGS Water use Categories

From the Corps' definition of M&I water supply as developed in above paragraph A2a, municipal is shown by italics in the above table as Domestic under "Public Supplies" and industrial by the three items identified by italics in the "Industrial" column. Based on these values, the 5.4 billion gallons of water per day from Corps reservoirs could provide 12 percent of the domestic needs, 2 percent of total M&I needs or 1 percent of total offstream needs.

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

C. AGRICULTURAL WATER SUPPLY (2004)

- 1. <u>Introduction</u>. Corps lakes in the 17 contiguous Western States in which Reclamation Law applies may include irrigation as a project purpose upon the recommendation of the Secretary of the Interior (Section 8 of Public Law 78-534, the 1944 Flood Control Act). Agricultural water supply is included in Corps reservoir projects in the Western states under repayment agreements between the Bureau of Reclamation and local sponsors. To date, there are no agricultural water supply agreements in Corps reservoir projects in the Eastern states, although "irrigation" can be an authorized project purpose (see following paragraph 3).
- 2. <u>Irrigation Storage in the West</u>. Data on Corps projects with irrigation storage in the West (and under the repayment principles of the Bureau of Reclamation) was originally compiled by Planning Division, Headquarters USACE, in a 1982 survey in response to an inquiry from the

U.S. Senate. These data, updated in 1996 are contained in the *Water Supply Handbook*, IWR Report 96-PS-6, dated December 1998 and then further updated for the 2004 water supply database update and are contained in IWR Report 05-PS-1. This latest data can be found online at: http://www.iwr.usace.army.mil/docs/iwrreports/IWRReport05-PS-1.pdf. A summary of the 2004 data are provided in **Table 14**. This information shows there are 48 completed projects that include agricultural water supply in some form. Thirty-seven of the projects include storage for "joint" and/or "specific" use. The remaining 10 projects are utilized for irrigation purposes, but contain no storage. The joint storage, listed as approximately 56 million acre-feet, can normally be used for flood control, navigation, recreation and/or hydroelectric power as well as for irrigation purposes. The total Federal cost allocated to the irrigation purpose, less the reimbursable cost, is listed as about \$1.7 billion. The "Total Federal Cost" in the 4th column is less reimbursable costs. These data were not updated in this current data call. According to the best available information, there are no storage projects currently under construction in the West where with irrigation as a purpose.

Division	Number of	Total Project	Total Federal	Storage Reserv	ed for Irrigation
	Projects	Cost (\$1000)	Cost to Irrigation (\$1000)	Joint (1000AF)	Specific (1000 AF)
Northwestern	30	3,563,099	1,159,697	50,496	NA
Southwestern	2	85,500	42,100	0	64
South Pacific	16	868,070	525,039	5,490	577
TOTAL	48	4,516,669	1,726,836	55,986	NA

Table 14: Summary of Irrigation Data in the West (2004)

- 3. <u>Irrigation outside of the West.</u> There are no Corps reservoir projects with irrigation storage outside of the 17 Western states. There are, however, some Corps projects with an irrigation purpose.
- a. Central and Southern Florida Project. The most noticeable project with irrigation outside the West is the Central and Southern Florida Project. This project was authorized by Public Law 80-858 (the 1948 Flood control Act) to provide multi-purpose use to include flood control, municipal, industrial and agricultural water supply, prevention of saltwater intrusion, water supply for the Everglades, and protection of fish and wildlife resources. The primary system includes about 1,000 levees and canals, 150 water control structures and 16 major pump stations. Some project elements are operated by the sponsor, the South Florida Water Management District, and some are operated by the Corps. Beneficiaries for flood control and water supply include three cities, sugar cane companies, water drainage districts, Indian reservations, a National Wildlife Refuge, the Everglades National Park and local farmers and ranchers. There are no standard water supply agreements and the project is cost-shared between the Federal Government and the local sponsor through project agreements.
- b. <u>Grand Prairie</u>, <u>Arkansas</u>. Another project in the East with irrigation as a purpose is the Grand Prairie, AR Area Demonstration Project. This project is a comprehensive water management plan designed to protect and preserve the Alluvial and Sparta Aquifers. The project, authorized by Public Law 104-303 (the 1966 WRDA) also allows the continued irrigation of current agricultural crops and reduces further depletion of groundwater aquifers, while

continuing to provide critical benefits for the millions of waterfowl, which annually migrate through the region. The project utilizes excess surface water and water from the White River to supplement a network of on-farm tailwater recovery systems. This supplemental system will be used to fill on-farm reservoirs that store the water, which supplies at least a portion of each farmer's irrigation needs. There are no standard water supply agreements, but the project will be cost-shared between the Federal Government and the local sponsor.

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Appendix A: Water Supply Storage Space by Project

MSC	District	Project	Storage Space (acre-feet)
North Atlantic	New England	Colebrook, CT	50,200
		East Brimfield, MA	1,140
		Littleville, MA	9,400
	Philadelphia	Beltzville. PA	27,880
		Blue Marsh, PA	8,000
	Baltimore	Cowanesque, PA	25,600
		Curwensville, PA	5,360
		Jennings Randolph, MD/ WV	40,995
South Atlantic	Wilmington	B. Evert Gordan, NC	45,800
	Ü	Falls Lake, NC	45,000
		John H. Kerr, VA	21,115
		W. Kerr Scott, NC	33,000
	Savannah	Hartwell, GA & SC	26,574
		J. Strom Thurmond, GA & SC	3,833
		Richard B. Russell, GA & SC	872
	Mobile	Allatoona, GA	19,511
		Carters, GA	818
		Okatibbee, MS	13,100
Lakes & Rivers	Huntington	Alum Creek Lake, OH	79,200
	J	Grayson Lake, KY	2,508
		John W. Flannagan, VA	3,360
		North Fork of Pound Lake, VA	100
		Paint Creek, OH	1,040
		Summersville	468
		Tom Jenkins Dam, OH	5,690
	Louisville	Barren River Lake, KY	1,050
		Brookville Lake, IN	89,300
		Caesar Creek Lake, OH	39,100
		Carr Creek Lake, KY	2,052
		Cave Run Lake, KY	802
		Green River Lake, KY	4,315
		Monroe Lake IN	160,000
		Nolin Lake, KY	98
		Patoka Lake, IN	129,800
		Rough River Lake, KY	522
		William H. Harsha Lake, OH	35,534
	Nashville	Center Hill Lake, TN	7,212
		Dale Hollow Lake, TN & KY	2,211
		J Percy Priest Dam & Reservoir, TN	17,311
		Laurel River Lake, KY	519
	Pittsburgh	Berlin Lake, OH	19,400
		Mosquito Creek Lake, OH	11,000
		Stonewall Jackson Lake, WV	2,200
		Tygart, WV	2,240
Mississippi Valley	Rock Island	Saylorville	14,900
	St. Louis	Carlyle Lake, IL	32,692
		Clarence Cannon Dam, Mark Twain Lake, MO	20,000
		Lake Shelbyville, IL	24,714
		Rend Lake, IL	109,000
	Vicksburg	Blakey M. Dam, Lake Ouachita, AR	1,575
		DeGray, AR	238,729
		Enid, MS	4,500

Water Supply 2009 Database

MSC	District	Project	Storage Space (acre-feet)
Northwestern	Kansas City	Clinton Lake, KS	89,200
		Harry S. Truman Dam & Res., MO	283
		Hillsdale. KS	53,000
		Kanopolis Lake, KS	12,925
		Long Branch Lake, MO	24,400
		Melvern Lake, KS	50,000
		Milford Lake, KS	300,000
		Perry Lake, KS	151,100
		Pomona Lake, KS	33,000
		Rathbun Lake, IA	6,680
		Smithville Lake, MO	95,200
		Stockton Lake, MO	50.000
		Tuttle Creek Lake, KS	50,000
	Omaha	Bowman Haley , ND	15,500
		Garrison Dam, Lake Sakakawea, ND	54,390
	Portland	Lost Creek	10,000
	Seattle	Howard Hanson	22,400
South Pacific	San Francisco	Dry Creek, Warm Springs Dam / Lake	212,000
		Sonoma, CA	
		Coyote Valley Dam / Lake Mendocino, CA	111,000
	Albuquerque	Abiqui, NM	0
Southwestern	Little Rock	Beaver, AR	160,148
		Blue Mountain Lake, AR	1,550
		Bull Shoals Lake, AR	880
		Dardanell Lake, AR	0
		DeQueen Lake, AR	17,885
		Dierks Lake, AR	10,100
		Gillham Lake, AR	20,600
		Greers Ferry Lake, AR	12,578
		Millwood Lake, AR	150,000
		Nimrod Lake, AR	143
		Norfork Lake,, AR	2,400
	Ft. Worth	Aquilla Lake, TX	33,600
		Bardwell Lake, TX	42,800
		Belton Lake, TX	360,700
		Benbrook Lake, TX	86,884
		Canyon Lake, TX	366,400
		Cooper Dam, Jim Chapman Lake, TX	273,000
		Ferrell's Bridge Dam, Lake O'The Pines, TX	250,000
		Granger Dam & Lake, TX	37,900
		Grapevine Lake, TX	136,250
		Joe Pool Lake, TX	142,900
		Lavon Lake, TX	380,000
		Lewisville Dam, TX	436,000
		Navarro Mills Lake, TX	53,200
		N. San Gabriel D&L (Georgetown), TX	29,200
		O. C. Fisher, TX	78,793
		Proctor Lake, TX	31,400
		Ray Roberts Lake, TX	799,600
		Sam Rayburn Dan & Reservoir, TX	1,489,200
		Somerville Lake, TX	143,900
		Stillhouse Hollow Dam , TX	204,900
		Waco Lake, TX	151,626
		Whitney Lake, TX	50,000
		Wightman Patman Dam & Lake, TX	300,583

MSC	District	Project	Storage Space (acre-feet)
Southwestern (continued)	Tulsa	Arcadia Lake, OK	23,090
		Birch Lake , OK	7,630
		Broken Bow, Lake, OK	152,440
		Canton Lake, OK	90,000
		Copan Lake, OK	5,000
		Council Grove Lake, KA	32,400
		Denison Dam, Lake Texoma, OK & TX	147,179
		El Dorado Lake, KA	142,800
		Elk City, KA	34,300
		Eufaula Lake, OK	55,720
		Heyburn, OK	2,000
		Hugh Lake, OK	47,600
		Hula, OK	19,800
		John Redmond, KA	44,900
		Kaw Lake, OK	171,206
		Keystone Lake, OK	20,000
		Marion ,KA	50,800
		Oologah Lake, OK	342,600
		Pat Mayse Lake, TX	109,600
		Pearson – Skubitz, Big Hill Lake, KS	25,700
		Pine Creek, Lake, OK	28,800
		Sardis Lake, OK	297,200
		Skiatook Lake, OK	62,900
		Tenkiller Ferry Alake, OK	25,472
		Toronto Lake, KS	400
		Waurika Lake, OK	151,400
		Wister Lake, OK	13,819

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Appendix B: Storage Space, Costs and Remaining Principal by Agreement

Table of Contents

<u>Division / District</u>	<u>Page</u>
NAD / New England, Baltimore, Philadelphia	21
Storage Space	
Storage Cost	
Remaining Principal	23
SAD / Wilmington, Savannah, Mobile	
Storage Space	
Storage Cost	26
Remaining Principal	27
LRD / Huntington, Louisville, Nashville, Pittsburg	gh 29
Storage Space	
Storage Cost	31
Remaining Principal	33
MVD / Rock Island, St. Louis, Vicksburg	35
Storage Space	25
Storage Cost	
Remaining Principal	37
NWD / Kansas City, Omaha, Portland, Seattle	
Storage Space	39
Storage Cost	
Remaining Principal	43
SPD / San Francisco, Albuquerque	45
Storage Space	45
Storage Cost	
Remaining Principal	47
SWD / Little Rock	
Storage Space	49
Storage Cost	
Remaining Principal	53
SWD / Ft. Worth	55
Storage Space	55
Storage Cost	
Remaining Principal	
SWD / Tulsa	
Storage Space	
Storage Cost	
Remaining Principal	
SWD / Summary	

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North Atlantic Divis	sion			NAI	WS Storage	Space	
			WS Agreement Storage Space (acre-feet)				
Project	User	Date of Agree ment	Present	Future	Not Under Contract	Total	Project WS Storage Space (acrefeet)
New England							
Colebrook, CT	Hartford Metro Dist. Comm. [1]	1965	50,200	0	0	50,200	50,200
East Brimfield, MA	American Optical Co.	1962	1,140	0	0	1,140	1,140
Littleville, MA	City of Springfield	1967	9,400	0	0	9,400	9,400
3 projects	3 agreements		60,740	0	0	60,740	60,740
Philadelphia							
Beltzville, PA	Delaware RBC	2006	27,880	0	0	27,880	27,880
Blue Marsh, PA	Delaware RBC [2]	1971	8,000	0	0	8,000	8,000
2 projects Baltimore	2 agreements		35,880	0	0	35,880	35,880
Cowanesque, PA	Susquehanna RBC	1986	25,600	0	0	25,600	25,600
Curwensville, PA	Susquehanna RBC	1994	5,360	0	0	5,360	5,360
Jennings Randolph, MD & WV	Dist. of Col. WSSC and Fairfax Co.	1982	40,995	0	0	40,995	40,995
3 projects	3 agreements		71,955	0	0	71,955	71,955
Division Summary	8 projects / 8 agreements		168,575	0	0	168,575	168,575
project has been ider source. The project installation of a cond	Surplus water contract. The ntified as an alternate drinking was never completed with the uit. No water from this reservoir is etered human consumption. Water ctric.						
	. The 4,000 AF of future water use, the sponsor has chosen to pay yet being repaid.						
for the present use s	oal owed (as applicable) includes, torage, interest on the unpaid d of the ten-year interest free period.				_		

North Atlantic Divis	sion		NAD	WS Storage	Cost	
		WS	Agreement S	Storage Cost ((\$)	
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
New England						
Colebrook, CT	Hartford Metro Dist. Comm. [1]	5,587,085	0	0	5,587,085	5,587,085
East Brimfield, MA	American Optical Co.	24,500	0	0	24,500	24,500
Littleville, MA	City of Springfield	2,171,160	0	0	2,171,160	2,171,160
3 projects	3 agreements	7,782,745	0	0	7,782,745	7,782,745
Philadelphia						
Beltzville, PA	Delaware RBC	6,588,000	0	0	6,588,000	6,588,000
Blue Marsh, PA	Delaware RBC [2]	15,003,516	0	0	15,003,516	15,003,516
2 projects Baltimore	2 agreements	21,591,516	0	0	21,591,516	21,591,516
Cowanesque, PA	Susquehanna RBC	39,414,000	0	0	39,414,000	39,414,000
Curwensville, PA	Susquehanna RBC	11,339,000	0	0		
Jennings Randolph, MD & WV	Dist. of Col. WSSC and Fairfax Co.	65,538,120	0	0	65,538,120	
3 projects	3 agreements	116,291,120	0	0	116,291,120	116,291,120
Division Summary	8 projects / 8 agreements	145,665,381	0	0	145,665,381	145,665,381
project has been idel source. The project installation of a cond	Surplus water contract. The ntified as an alternate drinking was never completed with the uit. No water from this reservoir is etered human consumption. Water ctric.					
[2] NAP, Blue Marsh. The 4,000 AF of future water supply, while not in use, the sponsor has chosen to pay P&I. O&M share not yet being repaid.						
[3] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.						

North Atlantic Divis	ion		N.	AD Remaining	Principal Owed	i [3]
				Amour	nt Owed (\$)	
Project	User	Agreement Interest Rate (%)	Present	Future	Total	District / MSC Percemt
New England						
Colebrook, CT	Hartford Metro Dist. Comm. [1]	3.137	2,214,142	0	2,214,142	
East Brimfield, MA	American Optical Co.	2.742	3,178	0	3,178	
Littleville, MA	City of Springfield	2.740	0	0	0	
3 projects	3 agreements		2,217,320	0	2,217,320	28%
Philadelphia						
Beltzville, PA	Delaware RBC	3.222	3,374,927	0	3,374,927	
Blue Marsh, PA	Delaware RBC [2]	3.502	5,793,706	0	5,793,706	
2 projects	2 agreements		9,168,633	0	9,168,633	42%
Baltimore			-,,		2, 22,222	
Cowanesque, PA	Susquehanna RBC	7.690	0	0	0	
Curwensville, PA	Susquehanna RBC	6.125	0	0	0	
Jennings Randolph, MD & WV	Dist. of Col. WSSC and Fairfax Co.	3.253	29,792,941	0	29,792,941	
3 projects	3 agreements		29,792,941	0	29,792,941	26%
Division Summary	8 projects / 8 agreements		41,178,894	0	41,178,894	28%
project has been ider source. The project installation of a cond	Surplus water contract. The ntified as an alternate drinking was never completed with the uit. No water from this reservoir is etered human consumption. Water ctric.					
	The 4,000 AF of future water use, the sponsor has chosen to pay yet being repaid.					
for the present use s	oal owed (as applicable) includes, torage, interest on the unpaid d of the ten-year interest free period.					

North Atlantic Divis	ion	
Project User		(This page intentionally leftblank)
New England		
Colebrook, CT	Hartford Metro Dist. Comm. [1]	
East Brimfield, MA	American Optical Co.	
Littleville, MA	City of Springfield	
3 projects	3 agreements	
Philadelphia		
Beltzville, PA	Delaware RBC	
Blue Marsh, PA	Delaware RBC [2]	
2 projects	2 agreements	
Baltimore		
Cowanesque, PA	Susquehanna RBC	
Curwensville, PA	Susquehanna RBC	
Jennings Randolph, MD & WV	Dist. of Col. WSSC and Fairfax Co.	
3 projects	3 agreements	
Division Summary	8 projects / 8 agreements	
project has been ider source. The project installation of a cond	Surplus water contract. The ntified as an alternate drinking was never completed with the uit. No water from this reservoir is etered human consumption. Water ctric.	
	The 4,000 AF of future water se, the sponsor has chosen to pay yet being repaid.	
for the present use s	oal owed (as applicable) includes, torage, interest on the unpaid I of the ten-year interest free period.	

South Atlantic Division		SAD WS Storage Space					
			WS Agreement Storage Space (acre-feet)				Project WS
Project	User	Date of Agreem ent	Present	Future	Not Under Contract	Agreement Storage Space (acre-feet)	Storage Space (acrefeet)
Wilmington							
B. Evertt Jordan, NC	State of NC	1988	45,800	0	0	45,800	45,800
Falls Lake, NC	City of Raleigh	1972	45,000	0	0	45,000	45,000
John H. Kerr, VA	Mecklenburg Cogeneration	1991	600	0	0	600	
	VA Dep of Corr.	1989	23	0	0	23	
	City of Henderson	2006	10,292	0	0	10,292	
	Virginian Beach	1984	10,200	0	0	10,200	21,115
W. Kerr Scott, NC	County of Wilkes & City of Winston-Salem	1960	33,000	0	0	33,000	33,000
4 projects	7 agreements		144,915	0	0	144,915	144,915
Savanah							
Hartwell, GA & SC	Anderson Co. Joint Municipal Water System (mod)	2002	24,620	0	0	24,620	
	City of Lavonia	1990	127	0	0	127	
	Hart County	1998	1,827	0	0	1,827	26,574
J Strom Thurmond, GA & SC	City of Washington	1975	632	0	0	632	
	Town of McCormick	1999	506	0	0	506	
	City of Lincolnton	1990	83	0	0	83	
	City of Thompson	1990	1,056	0	0	1,056	
	Town of McCormick	2001	316	0	0	316	
	Savannah Valley Auth.	1989	92	0	0	92	
	Columbia County	1989	1,056	0	0	1,056	
	City of Lincolnton	1964	92	0	0	92	3,833
Richard B Russell, GA & SC	SC Public Service Auth.	2001	491	0	0	491	
	City of Elberton	1990	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.	1963	13,140	0	0	13,140	
Allatooria, GA	City of Cartersville	1966	1,996	0	0	1,996	
	City of Cartersville	1991	4,375	0	0	4,375	19,511
Carters, GA	City of Chatsworth	1991	818	0	0	818	818
Okatibbee, MS	Pat Harrison WS Dist.	1965	13,100	0	0	13,100	13,100
3 projects	5 agreements	1000	33,429	0	0	33,429	33,429
Division Summary	10 projects /		209,623	0	0	209,623	209,623
Division outlinary	25 agreements		203,023		•	203,023	203,023
[1] Remaining Principal owed (present use storage, interest o end of the ten-year interest fre							

South Atlantic Division		SAD WS Storage Cost					
		WS Agreement Storage Cost (\$)					
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)	
Wilmington							
B. Evertt 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	Mecklenburg Cogeneration	150,241	0	0	150,241		
	VA Dep of Corr.	5,075	0	0	5,075		
	City of Henderson	2,375,336	0	0	2,375,336		
	Virginian Beach	2,275,685	0	0	2,275,685		
W. Kerr Scott, NC	County of Wilkes & City of Winston-Salem	945,419	0	0	945,419	945,419	
4 projects	7 agreements	22,309,756	0	0	22,309,756	22,309,756	
Savanah	Ŭ.	, ,			, ,	, ,	
Hartwell, GA & SC	Anderson Co. Joint Municipal Water System (mod)	3,477,000	0	0	3,477,000		
	City of Lavonia	21,447	0	0	21,447		
	Hart County	356,867	0	0	356,867	3,855,314	
J Strom Thurmond, GA & SC	City of Washington	72,800	0	0	72,800		
	Town of McCormick	17,357	0	0	17,357		
	City of Lincolnton	24,608	0	0	24,608		
	City of Thompson	334,714	0	0	334,714		
	Town of McCormick	66,499	0	0	66,499		
	Savannah Valley Auth.	27,395	0	0	27,395		
	Columbia County	313,048	0	0	313,048		
	City of Lincolnton	15,000	0	0	15,000	871,421	
Richard B Russell, GA & SC	SC Public Service Auth.	1,615,243	0	0	1,615,243		
	City of Elberton	419,658	0	0	419,658	2,034,901	
3 projects	13 agreements	6,761,636	0	0	6,761,636	6,761,636	
Mobile	Cobb Co Marietta Water						
Allatoona, GA	Auth.	1,197,952	0	0	1,197,952		
	City of Cartersville	396,217	0	0	396,217		
	City of Cartersville	1,518,094	0	0	1,518,094	3,112,263	
Carters, GA	City of Chatsworth	617,449	0	0	617,449		
Okatibbee, MS	Pat Harrison WS Dist.	1,292,301	0	0	1,292,301	1,292,301	
3 projects	5 agreements	5,022,013	0	0	5,022,013		
Division Summary	10 projects / 25 agreements	34,093,405	0	0	34,093,405	34,093,405	
	(as applicable) includes, for the n the unpaid balance after the						

South Atlantic Division			SAD Remaining Principal Owed [1]			
Project	User	Agreement Interest Rate (%)	Amount Owed (\$)			
			Present	Future	Total	District / MSC Percent
Wilmington						
B. Evertt Jordan, NC	State of NC	3.225	2,381,554	0	2,381,554	
Falls Lake, NC	City of Raleigh	3.649	9,714,406	0	9,714,406	
John H. Kerr, VA	Mecklenburg Cogeneration	Prepaid	0	0	0	
	VA Dep of Corr.	Prepaid	0	0	0	
	City of Henderson	4.625	2,114,175	0	2,114,175	
	Virginian Beach	Prepaid	0	0	0	
W. Kerr Scott, NC	County of Wilkes & City of Winston-Salem	2.699	326,227	0	326,227	
4 projects	7 agreements		14,536,362	0	14,536,362	65%
Savanah						
Hartwell, GA & SC	Anderson Co. Joint Municipal Water System (mod)		212,400	0	246,400	
	City of Lavonia	6.130	0	0	0	
	Hart County		0	0	0	
J Strom Thurmond, GA & SC	City of Washington		0	0	0	
	Town of McCormick		0	0	0	
	City of Lincolnton	6.130	13,521	0	13,524	
	City of Thompson		0	0	0	
	Town of McCormick		0	0	0	
	Savannah Valley Auth.		0	0	0	
	Columbia County		0	0	0	
	City of Lincolnton		2,100	0	2,100	
Richard B Russell, GA & SC	SC Public Service Auth.	6.130	0	0	0	
	City of Elberton		0	0	0	
3 projects	13 agreements		228,021	0	262,024	4%
Mobile						
	Cobb Co Marietta Water					
Allatoona, GA	Auth.	2.500	469,505	0	469,505	
	City of Cartersville	2.500	158,436	0	158,436	
	City of Cartersville	8.125	1,030,513	0	1,030,513	
Carters, GA	City of Chatsworth	9.125	0	0	0	
Okatibbee, MS	Pat Harrison WS Dist.	3.137	227,967	0	227,967	
3 projects	5 agreements		1,886,421	0	1,886,421	38%
Division Summary	10 projects / 25 agreements		16,650,804	0	16,684,807	49%
[1] Remaining Principal owed (present use storage, interest o end of the ten-year interest free	n the unpaid balance after the					

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Lakes and Rivers Division			LRD WS Storage Space				
			WS Agree	ment Sto	orage Space	(acre-feet)	Project WS Storage Space (acre- feet)
Project	User	Date of Agreem ent	Present	Future	Not Under Contract	Total	
Huntington							
Alum Creek Lake, OH	State of OH (1968)	1968	79,200	0	0	79,200	
Grayson Lake, KY	Rattlesnake Ridge	2000	2,508	0	0	2,508	
John W. Flannagan, VA	John Flannagan Water Auth	2004	3,360	0	0	3,360	3,360
North Fork of Pound River Lake	City of Pound	1968	100	0	0	100	100
Paint Creek Lake, OH	Highland Co.	1968	1,040	0	0	1,040	1,040
Summersville Lake, WV	City of Summerville	2001	468	0	0	468	468
Tom Jenkings Dam, OH	State of OH [1]	1948	5,690	0	0	5,690	5,690
7 projects	7 agreements		92,366	0	0	92,366	92,366
Louisville							
Barren River Lake, KY	City of Glasgow	2009	681	0	0	681	
	City of Scottsville	1969	369	0	0	369	1,050
Brookville Lake, IN	State of IN	1965	89,300	0	0	89,300	89,300
Caesar Creek Lake, OH	State of OH	1970	39,100	0	0	39,100	39,100
Carr Creek Lake,	Carr Creek Water Comm.	2006	2,052	0	0	2,052	2,052
Cave Run Lake, KY	Cave Run Water Comm.	2003	538	0	0	538	
	City of West Liberty	1996	264	0	0	264	802
Green River Lake, KY	City of Campbellsville	1968	3,460	0	0	3,460	
	City of Columbia	1992	855	0	0	855	4,315
Monroe Lake, IN	State of IN	1988	160,000	0	0	160,000	160,000
Nolin Lake, KY	Edmonson Co. Water Dist.	1988	98	0	0	98	98
Patoka Lake, IN	State of IN	1970	129,800	0	0	129,800	129,800
Rough River Lake, KY	Leitchfield	1966	120	0	0	120	
	Hardinsburg	1978	150	0	0	150	
	Grayson County WD	2002	252	0	0	252	522
William H. Harsha Lake, OH	State of OH	1970	35,534	0	0	35,534	35,534
11 projects	16 agreements		462,573	0	0	462,573	462,573
Nashville							
Center Hill Lake, TN	Cookeville	2003	6,680	0	0	6,680	
	Smithville	2003	401	0	0	401	
	Riverwatch Golf	2003	131	0	0	131	7,212
Dale Hollow Lake, TN & KY	City of Byrdstown	2005	1,841	0	0	1,841	
	Commonwealth of Kentucky	2005	368	0	0	368	
	Trooper Island	2004	2	0	0	2	2,211
J. Percy Priest Dam & Reservo		2003	2,733	0	0	2,733	
	Murfreesboro	2003	5,084			5,084	
	Consolidated Utility	2003	3,007	0		3,007	
	Consolidated Utility	2003	1,367	0		1,367	
J. Percy Priest, TN (continued)	YMCA of Middle TN	2003	22	0		22	
	Cedar Crest Golf Ventures, LLD.	2004	96	0	0	96	
	Town of Smyrna	2008	5,002	0	0	5,002	17,311
Laurel River Lake, KY	Laurel Co. Water Dist.	2005	519			519	
4 projects	14 agreements		27,253	0	0	27,253	27,253
Pittsburgh							
Berlin Lake, OH	Not Under Contract	NA	0	0	19,400	19,400	19,400
Mosquito Creek Lake, OH	City of Warren	1999	11,000	0	0	11,000	11,000
Stonewall Jackson Lake, WV	Not Under Contract	NA	0	0	2,200	2,200	2,200
Tygart, WV	City of Grafton [2]	1941	2,240	0	0	2,240	2,240
4 projects	2 agreements		13,240	0	21,600	34,840	34,840

Lakes and Rivers Division				LR	D WS Storage	e Space	
			WS Agree	ment Sto	orage Space (acre-feet)	D : 1340
Project	User	Date of Agreem ent	Present	Future	Not Under Contract	Total	Project WS Storage Space (acre- feet)
Division Total	26 projects / 39 agreements		595,432	0	21,600	617,032	617,032
Periodic Project Site Character costs from Periodic Project Site	e Characteristics.						
mgd at no cost in return for dor	at allowed the City to withdraw 1.9 nated real estate.						
	as applicable) includes, for the n the unpaid balance after the end riod. Price level varies.						

Lakes and Rivers Division				D WS Storage		
		WS A	greement S	torage Cost (\$) [3]	
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Huntington						
Alum Creek Lake, OH	State of OH (1968)	25,619,243	0	0	25,619,243	25,619,243
Grayson Lake, KY	Rattlesnake Ridge	76,732	0	0	76,732	
John W. Flannagan, VA	John Flannagan Water Auth	162,983	0	0	162,983	162,983
North Fork of Pound River Lake	City of Pound	37,900	0	0	37,900	37,900
Paint Creek Lake, OH	Highland Co.	202,650	0	0	202,650	
Summersville Lake, WV	City of Summerville	60,828	0	0	60,828	-
Tom Jenkings Dam, OH	State of OH [1]	785,000	0	0	785,000	
7 projects	7 agreements	26,945,336	0	0	26,945,336	
Louisville		, ,				
Barren River Lake, KY	City of Glasgow	22,300	0	0	22,300	
-	City of Scottsville	12,200	0	0	12,200	
Brookville Lake, IN	State of IN	5,693,000	0	0	5,693,000	
Caesar Creek Lake, OH	State of OH	5,628,000	0	0	5,628,000	
Carr Creek Lake,	Carr Creek Water Comm.	305,563	0	0	305,563	305,563
Cave Run Lake, KY	Cave Run Water Comm.	72,896	0	0	72,896	
Oave Ruit Lake, RT	City of West Liberty	30,360	0	0	30,360	
Green River Lake, KY	City of Campbellsville	80,483	0	0	80,483	
Green River Lake, R1	City of Columbia	88,065	0	0	88,065	
Monroe Lake, IN	State of IN	8,015,000	0	0	8,015,000	
	Edmonson Co. Water Dist.	†	0	0		
Nolin Lake, KY Patoka Lake, IN	State of IN	11,402 5,602,000	0	0	11,402 5,602,000	
Rough River Lake, KY	Leitchfield	3,648	0	0	3,648	
Rough River Lake, KT	Hardinsburg	17,781	0	0	17,781	
	Grayson County WD	34,934	0	0	34,934	56,363
William H. Harsha Lake, OH	State of OH	3,944,200	0	0	3,944,200	
11 projects	16 agreements	29,561,832	0	0	29,561,832	
Nashville	To agreements	29,301,632	U	U	29,301,032	29,301,032
Center Hill Lake, TN	Cookeville	2,816,877	0	0	2,816,877	
Certier Hill Lake, TN	Smithville	54,536	0	0	54,536	
	Riverwatch Golf	96,775	0	0	96,775	
Dale Hollow Lake, TN & KY	City of Byrdstown	372,716	0	0	372,716	
Dale Hollow Lake, TN & KT	Commonwealth of Kentucky	·	_			
	·	176,532	0	0	176,532	
J. Percy Priest Dam & Reservo	Trooper Island	916	0	0	916	
J. Percy Priest Dam & Reservo	Murfreesboro	1,818,550	_	0	1,818,550	
	Consolidated Utility	3,051,429	0	0	3,051,429	
	Consolidated Utility	1,804,609	0		1,804,609	
L Dorov Driggt TNI (continued)	YMCA of Middle TN	820,277	0	0	820,277	
J. Percy Priest, TN (continued)	Cedar Crest Golf Ventures, LLD.	16,638 75,951	0	0	16,638 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	166,847
4 projects	14 agreements	13,622,653	0	0	13,622,653	13,622,653
Pittsburgh						
Berlin Lake, OH	Not Under Contract	0	0	1,366,300	1,366,300	1,366,300
Mosquito Creek Lake, OH	City of Warren	224,500	0		224,500	224,500
Stonewall Jackson Lake, WV	Not Under Contract	0	0	4,300,000	4,300,000	4,300,000
Tygart, WV	City of Grafton [2]	0	0	0	0	
4 projects	2 agreements	224,500	0	5,666,300	5,890,800	5,890,800

Lakes and Rivers Division			LR	D WS Storage	Cost	
	User	WS A) [3]			
Project		Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Division Total	on Total 26 projects / 39 agreements 70,354,321 0 5,6		5,666,300	5,666,300 76,020,621		
Periodic Project Site Charact costs from Periodic Project S	ent allowed the City to withdraw 1.9					
[3] Remaining Principal owed	(as applicable) includes, for the on the unpaid balance after the end					

Lakes and Rivers Division			LRD Remaining Prinicpal Owed [3]					
				Amou	int Owed (\$)			
Project	User	Agreemen t Interest Rate (%)	Present	Future	Total	District / MSC Percent		
Huntington								
Alum Creek Lake, OH	State of OH (1968)	3.256	21,484,592	0	21,484,592			
Grayson Lake, KY	Rattlesnake Ridge	6.625	60,904	0	60,904			
John W. Flannagan, VA	John Flannagan Water Auth	5.625	0	0	0			
North Fork of Pound River Lake	City of Pound	3.222	0	0	0			
Paint Creek Lake, OH	Highland Co.	3.222	138,643	0	138,643			
Summersville Lake, WV	City of Summerville	5.875	50,136	0	50,136			
Tom Jenkings Dam, OH	State of OH [1]	Prepaid	0	0	0			
7 projects	7 agreements		21,734,275	0	21,734,275	81%		
Louisville			, ,					
Barren River Lake, KY	City of Glasgow	2.632	0	0	0			
	City of Scottsville	2.632	0	0	0			
Brookville Lake, IN	State of IN	3.137	0	0	0			
Caesar Creek Lake, OH	State of OH	3.253	4,352,594	0	4,352,594			
Carr Creek Lake,	Carr Creek Water Comm.	4.625	0	0	0			
Cave Run Lake, KY	Cave Run Water Comm.	5.125	0	0	0			
Cave Ruii Lake, Ri	City of West Liberty	4.625	30,360	0	30,360			
Green River Lake, KY	City of Campbellsville	2.936	39,843	0	39,843			
Green River Lake, R1	City of Columbia	8.125	00,040	0	0			
Monroe Lake, IN	State of IN	2.670	0	0	0			
	Edmonson Co. Water Dist.	9.250		0	0			
Nolin Lake, KY Patoka Lake, IN	State of IN	3.256	0	0	0			
Rough River Lake, KY	Leitchfield	2.584	0	0	0			
Rough River Lake, Kit	Hardinsburg	6.595	0	0	0			
	Grayson County WD	4.625	34,934	0	34,934			
William H. Harsha Lake, OH	State of OH	3.253	34,934	0	3,176,358			
11 projects	16 agreements	3.233	7,634,089	0	7,634,089	26%		
Nashville	To agreements		7,034,009	- 0	7,034,069	20 /0		
Center Hill Lake, TN	Cookeville	5.125	2,460,891	0	2,460,891			
Certier Hill Lake, TN	Smithville	5.125	2,400,091	0	2,460,691			
	Riverwatch Golf	5.125	86,201	0	86,201			
Dale Hollow Lake, TN & KY	City of Byrdstown	5.125	338,060	0	338,060			
Dale Hollow Lake, TN & KT	Commonwealth of Kentucky	+						
	Trooper Island	5.125	143,117	0	143,117			
J. Percy Priest Dam & Reservoi		5.500 5.125	0	0	0			
J. Felcy Fliest Dam & Reservol	Murfreesboro	5.125	0	0	0			
	Consolidated Utility	5.125	0	0	0			
	Consolidated Utility		0	0	0			
J. Percy Priest, TN (continued)	YMCA of Middle TN	5.125 5.125	14,537	0	14,537			
J. Percy Priest, TN (continued)	Cedar Crest Golf Ventures, LLD.	5.500	67,673	0	67,673			
	Town of Smyrna	5.125	0	0	0			
Laurel River Lake, KY	Laurel Co. Water Dist.	5.125	148,617	0	148,617			
4 projects	14 agreements		3,259,096	0	3,259,096	24%		
Pittsburgh								
Berlin Lake, OH	Not Under Contract	NA	0	1,366,300	1,366,300			
Mosquito Creek Lake, OH	City of Warren	6875	0	0	0			
Stonewall Jackson Lake, WV	Not Under Contract	NA	0	4,300,000	4,300,000			
Tygart, WV	City of Grafton [2]	NA	0	0	0			
4 projects	2 agreements		0	5,666,300	5,666,300	96%		

Project				Amour	4 Owed (4)				
Project		A	Amount Owed (\$)						
Project	User	Agreemen t Interest Rate (%)	Present	Future	Total	District / MSC Percent			
Division Total	26 projects / 39 agreements		32,627,460	5,666,300	38,293,760	50%			
[1] LRH, North Fork of Pound. A Periodic Project Site Characteris costs from Periodic Project Site	stics form. Storage space and								
[2] LRP, Tygart. The agreement mgd at no cost in return for dona	allowed the City to withdraw 1.9 ated real estate.								
[3] Remaining Principal owed (a present use storage, interest on of the ten-year interest free periods.	the unpaid balance after the end								

Mississippi Valley Divis	sion			N	IVD WS Storage	Space	
			WS Ag	reement St	orage Space (ac	re-feet)	
Project Name	User	Date of Agreem ent	Present	Future	Not Under Contract	Total	Project WS Storage Space (acre-feet)
Rock Island							
Saylorville, IA	State of Iowa	1982	14,900	0	0	14,900	14,900
1 project	1 agreement		14,900	0	0	14,900	14,900
St. Louis			·				
Carlyle Lake, IL	State of IL	1983	32,692	0	0	32,692	32,692
Clarence Cannon Dam	Wholesale Water	1988	20,000	0	0	20,000	20,000
& Mark Twain Lake., MO	Commission State of MO						
Lake Shelbyville, IL	State of IL	1983	24,714	0	0	24,714	24,714
Rend Lake, IL	State of IL	1988	109,000	0	0	109,000	109,000
4 projects	4 agreements		186,406	0	0	186,406	186,406
Vicksburg							
Blakey Mt, Dam, Lake Ouachita, AR	N. Garland County Reg. WD	1996	1,575	0	0	1,575	1,575
DeGray, AR	Ouachita RWD	1992	1,573	0	0	1,573	
	Ouachita RWD	1998	787	0	0	787	
	Ouachita RWD	2001	1,573	0	0	1,573	
	Ouachita RWD [1]	1988	0	188,470	0	188,470	
	Not Under Contract	NA	0	0	46,326	46,326	238,729
Enid, MS	LSP Energy Limited	1998	4,500	0	0	4,500	4,500
3 projects	6 agreements		10,008	188,470	46,326	244,804	244,804
8 projects	11 agreements		211,314	188,470	46,326	446,110	446,110
[1] MVD, DeGray. In accordance with a 4 April 1988 MOA, the ORWD obtained the right of first refusal for all water supply storage in DeGray, estimated at a152 mgd. For this right of first refusal, the ORWD agreed to pay the annual interest attributable to 120 mgd. Annual interest payment estimated at \$154,426 has a been paid by ORWD since signing of the MOA. Since storage costs have not been repaid classify as future. [2] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.							

Mississippi Valley Divi	sion			D WS Storage (
		ws	Agreement S	torage 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	3,869,30
St. Louis						
Carlyle Lake, IL	State of IL	3,635,000	0	0	3,635,000	3,635,00
Clarence Cannon Dam & Mark Twain Lake., MC	Wholesale Water Commission State of MO	5,144,600	0	0	5,144,600	5,144,60
Lake Shelbyville, IL	State of IL	4,310,000	0	0	4,310,000	4,310,000
Rend Lake, IL	State of IL	9,941,000	0	0	9,941,000	9,941,000
4 projects	4 agreements	23,030,600	0	0	23,030,600	23,030,60
Vicksburg						, ,
Blakey Mt, Dam, Lake Ouachita, AR	N. Garland County Reg. WD	110,751	0	0	110,751	110,75
DeGray, AR	Ouachita RWD	54,800	0	0	54,800	
•	Ouachita RWD	29,412	0	0	29,412	
	Ouachita RWD	62,556	0	0	62,556	
	Ouachita RWD [1]	0	6,181,816	0	6,181,816	
	Not Under Contract	0	0	1,519,493	1,519,493	7,848,07
Enid, MS	LSP Energy Limited	1,111,898	0	0	1,111,898	1,111,89
3 projects	6 agreements	1,369,417	6,181,816	1,519,493	9,070,726	9,070,720
8 projects	11 agreements	28,269,317	6,181,816	1,519,493	35,970,626	35,970,620
MOA, the ORWD obtain all water supply storage mgd. For this right of first to pay the annual interest Annual interest payment been paid by ORWD sin storage costs have not be [2] Remaining Principal of the present use storage.	cordance with a 4 April 1988 ed the right of first refusal for in DeGray, estimated at a152 st refusal, the ORWD agreed st attributable to 120 mgd. t estimated at \$154,426 has a ce signing of the MOA. Since been repaid classify as future. cowed (as applicable) includes, age, interest on the unpaid the ten-year interest free					

Mississippi Valley Divis	sion		MV	D Remaing Prin	cipal Owed [2]	
				Amount Ov	wed (\$)	
Project Name	User	Agreement Interest Rate (%)	Present	Future	Total	District / MSC Percent
Rock Island						
Saylorville, IA	State of Iowa	9.352	0	0	0	
1 project	1 agreement		0	0	0	0%
St. Louis						
Carlyle Lake, IL	State of IL	Prepaid	0	0	0	
Clarence Cannon Dam & Mark Twain Lake., MO	Wholesale Water Commission State of MO	3.220	3,831,468	0	3,831,468	
Lake Shelbyville, IL	State of IL	Prepaid	0	0	0	
Rend Lake, IL	State of IL	Prepaid	0	0	0	
4 projects	4 agreements		3,831,468	0	3,831,468	17%
Vicksburg			, ,			
Blakey Mt, Dam, Lake Ouachita, AR	N. Garland County Reg. WD	6.750	0	0	0	
DeGray, AR	Ouachita RWD	2.742	44,118	0	44,118	
,	Ouachita RWD	2.742	23,927	0	23,927	
	Ouachita RWD	2.742	54,639	0	54,639	
	Ouachita RWD [1]	2.742	0	6,181,816	6,181,816	
	Not Under Contract	NA	0	1,519,493	1,519,493	
Enid, MS	LSP Energy Limited	6.750	924,460	0	924,460	
3 projects	6 agreements		1,047,144	7,701,309	8,748,453	96%
8 projects	11 agreements		4,878,612	7,701,309	12,579,921	35%
MOA, the ORWD obtained all water supply storage in mgd. For this right of first to pay the annual interest Annual interest payment been paid by ORWD since storage costs have not be [2] Remaining Principal of	estimated at \$154,426 has a ce signing of the MOA. Since een repaid classify as future. wed (as applicable) includes, ge, interest on the unpaid the ten-year interest free					

Mississippi Valley Divis	ion			
Project Name	User	(This page intentionally left blank		
Rock Island				
Saylorville, IA	State of Iowa			
1 project	1 agreement			
St. Louis				
Carlyle Lake, IL	State of IL			
Clarence Cannon Dam & Mark Twain Lake., MO	Wholesale Water Commission State of MO			
Lake Shelbyville, IL	State of IL			
Rend Lake, IL	State of IL			
4 projects	4 agreements			
Vicksburg				
Blakey Mt, Dam, Lake Ouachita, AR	N. Garland County Reg. WD			
DeGray, AR	Ouachita RWD			
	Ouachita RWD			
	Ouachita RWD			
	Ouachita RWD [1]			
	Not Under Contract			
Enid, MS	LSP Energy Limited			
3 projects	6 agreements			
8 projects	11 agreements			
MOA, the ORWD obtained all water supply storage in mgd. For this right of first to pay the annual interest Annual interest payment been paid by ORWD since storage costs have not be	estimated at \$154,426 has a see signing of the MOA. Since seen repaid classify as future. wed (as applicable) includes, ge, interest on the unpaid he ten-year interest free			

Northwestern Division				NWI	WS Storage	Space	
			WS Agr	eement Stor	age Space (a	cre-feet)	Project WS
Project Name	User	Date of Agreem ent	Present	Future	Not Under Contract	Total	Storage Space (acre-feet)
Kansas City	01-1	4070	50 500	05.000		00.000	00.000
Clinton Lake, KS	State of Kansas	1978	53,520	35,680	0	89,200	89,200
Harry S Truman Dam & Res.		1994	172	0	0	172	200
1133	HST PWSD #2	1997	111	0	0	111	283
Hillsdale Lake, KS	State of Kansas	1980	7,500	45,500	0	53,000	53,000
Kanopolis Lake, KS	State of Kansas	2002	12,500		0	12,500	40.005
Lara Dranch Late MO	Post Rock RW	1984	425	42.400	0	425 24.400	12,925
Long Branch Lake, MO	City of Macon	1972	11,300	13,100	0	,	24,400
Melvern Lake, KS [1]	State of Kansas	1994	50,000	0	0	50,000	50,000
Milford Lake, KS	State of Kansas	1980	55,000	245,000	0	300,000	300,000
Perry Lake, KS	State of Kansas	1976	33,050	116,950	0	150,000	151 100
Damana Laka I/C	Jefferson County	1973	1,100	0	0	1,100	151,100
Pomona Lake, KS	RWD#3	1980 1964	270 230	0	0	270 230	
	RWD#3 Osage Co. State of Kansas	1964	14,324	0			
	State of Kansas State of Kansas		18,176	0	0	14,324	22.000
Rathbun Lake, IA	Rathbun Regional Water Assoc,Inc. (RRWA)	1995 1986	3,340	0	0	18,176 3,340	33,000
	RRWA	1989	3,340	0	0	3,340	6,680
Smithville Lake, MO	City of Smithville	1972	2,000	6,000	0	8,000	5,555
Cimarina Lake, Me	City of Plattsburg	1972	2,650	8,850	0	11,500	
	Clay County	1990	153	0,000	0	153	
	Not Under Contract	NA	0	0	75,547	75,547	95,200
Stockton Lake, MO	City of Springfield	1993	25,000	25,000	0	50,000	50,000
Tuttle Creek Lake, KS	State of Kansas	1996	13,850	0	0	13,850	20,000
ratio Grook Zano, rec	State of Kansas	1991	27,500	0	0	27,500	
	State of Kansas	1994	8,650	0	0	8,650	50,000
13 projects	24 agreements		344,161	496,080	75,547	915,788	915,788
Omaha			211,121	,	7 7,7	,	,
Bowman Haley,ND	Bowman County Water Management Dist.	1981	15,500	0	0	15,500	15,500
Garrison, ND	Basin Elect. Power Coop.	2005	54,390	0	0	54,390	54,390
2 projects	2 agreements		69,890	0	0	69,890	69,890
Portland							
Lost Creek, OR	City of Phoenix	1982	400	0	0	400	
	Cit of Phoenix	1991	600	0	0	600	
	City of Jacksonville	1995	400	0	0	400	
	City of Shady Cove	1998	3	0	0	3	
	City of Ashland	2002	1,001	0	0	1,001	
Lost Creek, OR (continued)	City of Talent	2002	1,292	0	0	1,292	
	City of Shady Cove	2002	12	0	0	12	
	Sandy Cove Waterworks	2006	100	0	0	100	
	Rogue Aggeates	2007	5	0	0	5	
	Angler's Cove/Shady Cove Heights Water Co.	2007	5	0	0	5	
	Not Under Contract	NA	0	0	6,182	6,182	10,000
1 project	10 agreements		3,818	0	6,182	10,000	10,000
Seattle						, -	
Howard Hanson, WA [2]	City of Tacoma, Public Util.	2003	22,400	0	0	22,400	22,400
1 project	1 agreement		22,400	0	0	22,400	22,400

Northwestern Division				NWI	O WS Storage	Space	
		D-1 (WS Agre	ement Stor	age Space (ad	cre-feet)	Project WS
Project Name	User	Date of Agreem ent	Present	Future	Not Under Contract	Total	Storage Space (acre-feet)
Divison Total	17 projects / 37 agreements		440,269	496,080	81,729	1,018,078	1,018,078
[1] NWK Melvern. Cost deve the state of KS. Storage cos construciton or sunk costs of [2] NWS Howard Hanson. The shall pay a share of the exist as required by law, equal to the least cost alternative of p supply less the present-worth modification costs for Municial Supply. The City is contribution construction funds during the	ts based on original the reallocated water ne Non-Federal sponsor ing project investment costs one half the difference of roviding equivalent water n cost of the total project pal and Industrial Water ng their share of						
[3] Remaining Principal owed for the present use storage, i balance after the end of the t Price level varies.	nterest on the unpaid						

Northwestern Division			NWI	O WS Storage Co	ost	
		W		Storage Cost (\$)		Due in at WC
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.	-	50,120	0	0	50,120	
<u></u>	HST PWSD #2	35,506	0	0	35,506	,
Hillsdale Lake, KS	State of Kansas	8,472,587	32,346,221	0	40,818,808	40,818,808
Kanopolis Lake, KS	State of Kansas	4,181,167	0	0	4,181,167	
	Post Rock RW	18,004	0	0	18,004	4,199,171
Long Branch Lake, MO	City of Macon	1,118,261	1,294,044	0	2,412,305	2,412,305
Melvern Lake, KS [1]	State of Kansas	7,094,009	0	0	7,094,009	7,094,009
Milford Lake, KS	State of Kansas	4,823,205	8,222,371	0	13,045,576	13,045,576
Perry Lake, KS	State of Kansas	1,535,030	7,673,270	0	9,208,300	
	Jefferson County	1,760	0	0	1,760	9,210,060
Pomona Lake, KS	RWD#3	19,852	0	0	19,852	
	RWD#3 Osage Co.	13,358	0	0	13,358	
	State of Kansas	1,555,242	0	0	1,555,242	
	State of Kansas	2,009,480	0	0	2,009,480	3,597,932
Rathbun Lake, IA	Rathbun Regional Water Assoc,Inc. (RRWA)	331,019	0	0	331,019	
	RRWA	498,916	0	0	498,916	829,935
Smithville Lake, MO	City of Smithville	298,890	808,926	0	1,107,816	
	City of Plattsburg	721,989	2,426,626	0	3,148,615	
	Clay County	37,459	0	0	37,459	
	Not Under Contract	0	0	14,873,000	14,873,000	19,166,890
Stockton Lake, MO	City of Springfield	4,628,352	4,628,352	0	9,256,704	9,256,704
Tuttle Creek Lake, KS	State of Kansas	591,634	0	0	591,634	
	State of Kansas	1,876,748	0	0	1,876,748	
	State of Kansas	368,699	0	0	368,699	
13 projects	24 agreements	44,467,144	59,669,636	14,873,000	119,009,780	119,009,780
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
Portland						
Lost Creek, OR	City of Phoenix	269,950	0	0	269,950	
	Cit of Phoenix	404,475	0	0	404,475	
	City of Jacksonville	269,650	0	0	269,650	
	City of Shady Cove	2,000	0	0	2,000	
	City of Ashland	928,475	0	0	928,475	
Lost Creek, OR (continued)	City of Talent	1,199,590	0	0	1,199,590	
	City of Shady Cove	11,142	0	0	11,142	
	Sandy Cove Waterworks	105,531	0	0	105,531	
	Rogue Aggeates	5,449	0	0	5,449	
	Angler's Cove/Shady Cove Heights Water Co.	5,449	0	0	5,449	
	Not Under Contract	0	0	4,168,152	4,168,152	7,369,863
1 project	10 agreements	3,201,711	0			
1 project Seattle	iv agreements	3,201,711	U	4,168,152	7,369,863	1,309,003
Howard Hanson, WA [2]	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

Northwestern Division			NW	D WS Storage C	ost		
		\	Due in at WC				
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)	
Divison Total	17 projects / 37 agreements	67,910,985	59,669,636	19,041,152	146,621,773	146,621,773	
[1] NWK Melvern. Cost dev the state of KS. Storage co- construciton or sunk costs o	sts based on original f the reallocated water						
[2] NWS Howard Hanson. The Non-Federal sponsor shall pay a share of the existing project investment costs as required by law, equal to one half the difference of the least cost alternative of providing equivalent water supply less the present-worth cost of the total project modification costs for Municipal and Industrial Water Supply. The City is contributing their share of construction funds during the period of construction.							
[3] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.							

Northwestern Division			N	WD Remainin	g Principal Ow	red (\$)
		ws		Amou	nt Owed (\$)	
Project Name	User	Agreement Interest Rate (%)	Present	Future	Total	District / MSC Percent
Kansas City	0					
Clinton Lake, KS	State of Kansas	3.502	2,313,187	2,269,826	4,583,013	
Harry S Truman Dam & Res		6.125	0	0	0	
189-4-1-1-1-10	HST PWSD #2	7.125	0 070 404	0	0 000 050	
Hillsdale Lake, KS	State of Kansas	4.012	6,976,131		39,322,352	
Kanopolis Lake, KS	State of Kansas	5.625	2,983,419	0	2,983,419	
Long Branch Lake, MO	Post Rock RW City of Macon	10.051 3.502	662,435		1,956,479	
Melvern Lake, KS [1]	State of Kansas	3.225	002,433	1,294,044	1,956,479	
Milford Lake, KS	State of Kansas	2.632	2,070,984			
Perry Lake, KS	State of Kansas	3.040	447,582		10,293,355	
Perry Lake, NS	Jefferson County	Prepaid	447,562	7,673,270	8,120,852 0	
Pomona Lake, KS	RWD#3	7.210	0	0	0	
I UIIUIIA LANE, NO	RWD#3 Osage Co.	2.670	0	0	0	
	State of Kansas	2.670	0	0	0	
	State of Kansas	2.700	0	0	0	
Rathbun Lake, IA	Rathbun Regional Water Assoc,Inc. (RRWA)	5.116	215,987	0	215,987	
	RRWA	9.250	0	0	0	
Smithville Lake, MO	City of Smithville	3.649	188,764	808,926	997,690	
	City of Plattsburg	3.649	641,722	2,426,626	3,068,348	
	Clay County	8.250	0	0	0	
	Not Under Contract	NA	0	14,873,000	14,873,000	
Stockton Lake, MO	City of Springfield	6.125	0	4,628,352	4,628,352	
Tuttle Creek Lake, KS	State of Kansas	2.553	0	0	0	
	State of Kansas	2.553	0	0	0	
	State of Kansas	2.553	0	0	0	
13 projects	24 agreements		16,500,211	74,542,636	91,042,847	77%
Omaha						
Bowman Haley,ND	Bowman County Water Management Dist.	3.046	794,091	0	794,091	
Garrison, ND	Basin Elect. Power Coop.	4.125	554,527	0	554,527	
2 projects	2 agreements		1,348,618	0	1,348,618	72%
Portland						
Lost Creek, OR	City of Phoenix	3.253	165,637	0	165,637	
	Cit of Phoenix	3.253	49,637	0	49,637	
	City of Jacksonville	3.253	40,408	0	40,408	
	City of Shady Cove	3.253	336	0	336	
	City of Ashland	3.253	0	0	0	
Lost Creek, OR (continued)	City of Talent	3.253	0	0	0	
	City of Shady Cove	3.253	0	0	0	
	Sandy Cove Waterworks	3.253	0	0	0	
	Rogue Aggeates	3.253	0	0	0	
	Angler's Cove/Shady Cove Heights Water Co.		0	0	0	
	Not Under Contract	NA	0	4,168,152	4,168,152	
1 project	10 agreements		256,018	4,168,152	4,424,170	60%
Seattle	City of Toppers Dublis	b i A				
Howard Hanson, WA [2]	City of Tacoma, Public Util.	NA	0	0	0	
1 project	1 agreement		0	0	0	0%

Northwestern Division		ws	NWD Remaining Principal Owed (\$)						
				Amount Owed (\$)					
Project Name	User	Agreement Interest Rate (%)	Present	Future	Total	District / MSC Percent			
Divison Total	17 projects / 37 agreements		18,104,847	78,710,788	96,815,635	66%			
[1] NWK Melvern. Cost developed under a MOU with the state of KS. Storage costs based on original construciton or sunk costs of the reallocated water [2] NWS Howard Hanson. The Non-Federal sponsor shall pay a share of the existing project investment costs as required by law, equal to one half the difference of the least cost alternative of providing equivalent water supply less the present-worth cost of the total project modification costs for Municipal and Industrial Water									
Supply. The City is contributing their share of construction funds during the period of construction. [3] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.									

South Pacific Division				SP	D WS Storage	Space	
			WS Agree	ment Sto	rage Space (a	cre-feet)	Project WS
Project	User	Date of Agreement	Present	Future	Not Under Contract	Total	Storage Space (acre- feet)
San Francisco							
Dry Creek, Warm Springs dam / Lake Sonoma, CA [1]	Sonoma Co. Water Agency	1964 amended 1Oct 1982	212,000	0	0	212,000	212,000
Coyote Valley dam / Lake Mendocino, CA	Sonoma Co. Water Agency	1956	111,000	0	0	111,000	111,000
2 projects	2 agreements		323,000	0	0	323,000	323,000
Albuquerque							
Abiqui [2]	Albuquerque Bernalillo Co. Water Utility Auth.	1986	0	0	0	0	
1 project	1 agreement		0	0	0	0	0
Dvision Totals	3 projects / 3 agreements		323,000	0	0	323,000	323,000
[1]SPN Dry Creek. The co storage: 44,000, 44,000, 44 block was to due and payat the 3rd in 2000 and the 4th have passed, it is assumed use. If this is not the case principal is accruing, then a the present and future space	,000 and 80,000. The first ble in 1992, the 2nd in 1995, in 2005. Since all dates all storage is under present and only interest on the change must be made to						
[2]SPA Abiqui. March 1986 The Albuquerque Bernalillo Authority uses the reservoir Juan Chama water being st storage pool. Original user v Albuquerque.	County Water Utility as a pass through for San ored in the flood control						
[3] Remaining Prinicpal (as present use storage, interes after the end of the ten-year level varies.	•						

South Pacific Division			SPD	WS Storage C	ost	
		ws				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
San Francisco						
Dry Creek, Warm Springs dam / Lake Sonoma, CA [1]	Sonoma Co. Water Agency	122,061,048	0	0	122,061,048	122,061,048
Coyote Valley dam / Lake Mendocino, CA	Sonoma Co. Water Agency	100,000	0	0	100,000	100,000
2 projects	2 agreements	122,161,048	0	0	122,161,048	122,161,048
Albuquerque						
Abiqui [2]	Albuquerque Bernalillo Co. Water Utility Auth.	0	0	0	0	0
1 project	1 agreement	0	0		0	0
Dvision Totals	3 projects / 3 agreements	122,161,048	0		122,161,048	122,161,048
the 3rd in 2000 and the 4th	,000 and 80,000. The first ble in 1992, the 2nd in 1995, in 2005. Since all dates all storage is under present and only interest on the change must be made to					
[2]SPA Abiqui. March 1986 The Albuquerque Bernalillo Authority uses the reservoir Juan Chama water being st storage pool. Original user v Albuquerque.	County Water Utility as a pass through for San ored in the flood control					
[3] Remaining Prinicpal (as present use storage, interes after the end of the ten-year level varies.						

South Pacific Division			5	SPD Remaining	Principal Owed	[3]
		Agreement Interest Rate (%)			Ar	mount Owed (\$)
Project	User		Present	Future	Total	District / MSC Percent
San Francisco						
Dry Creek, Warm Springs dam / Lake Sonoma, CA [1]	Sonoma Co. Water Agency	3.225	97,411,273	0	97,411,273	
Coyote Valley dam / Lake Mendocino, CA	Sonoma Co. Water Agency	Fully paid	0	0	0	
2 projects	2 agreements		97,411,273	0	97,411,273	80%
Albuquerque						
Abiqui [2]	Albuquerque Bernalillo Co. Water Utility Auth.	0	0	0	0	
1 project	1 agreement		0	0	0	0%
Dvision Totals	3 projects / 3 agreements		97,411,273		97,411,273	80%
[1]SPN Dry Creek. The corstorage: 44,000, 44,000, 44 block was to due and payabethe 3rd in 2000 and the 4th have passed, it is assumed use. If this is not the case a principal is accruing, then a the present and future space.	,000 and 80,000. The first ble in 1992, the 2nd in 1995, in 2005. Since all dates all storage is under present and only interest on the change must be made to					
[2]SPA Abiqui. March 1986 The Albuquerque Bernalillo Authority uses the reservoir Juan Chama water being st storage pool. Original user v Albuquerque.	County Water Utility as a pass through for San ored in the flood control					
[3] Remaining Prinicpal (as present use storage, interes after the end of the ten-year level varies.	st on the unpaid balance					

South Pacific Division		
Project	User	(This page intentionally left blank)
San Francisco		
Dry Creek, Warm Springs dam / Lake Sonoma, CA [1]	Sonoma Co. Water Agency	
Coyote Valley dam / Lake Mendocino, CA	Sonoma Co. Water Agency	
2 projects	2 agreements	
Albuquerque		
Abiqui [2]	Albuquerque Bernalillo Co. Water Utility Auth.	
1 project	1 agreement	
Dvision Totals	3 projects / 3 agreements	
[1]SPN Dry Creek. The corstorage: 44,000, 44,000, 44 block was to due and payabethe 3rd in 2000 and the 4th in have passed, it is assumed use. If this is not the case a principal is accruing, then a the present and future space.	,000 and 80,000. The first le in 1992, the 2nd in 1995, in 2005. Since all dates all storage is under present and only interest on the change must be made to	
[2]SPA Abiqui. March 1986 The Albuquerque Bernalillo Authority uses the reservoir Juan Chama water being sto storage pool. Original user v Albuquerque.	County Water Utility as a pass through for San ored in the flood control	
[3] Remaining Prinicpal (as a present use storage, interes after the end of the ten-year level varies.	t on the unpaid balance	

Southwestern Division			SWL A				
	User		٧	VS Agreeme	ent Storage S	расе	Project WS Storage Space (acre- feet)
Project		Date of Agree ment	Present	Future	Not Under Contract	Total	
Little Rock							
Beaver Lake, AR	Beaver Water District	1960	31,000	0	0	31,000	
	Supplement	1993	77,000	0	0	77,000	
	Beaver Water District	2006	28,757	0	0	28,757	
	Carroll-Boone Water District	1977	9,000	0	0	9,000	
	Carroll-Boone Water District	2006	2,396	0	0	2,396	
	Madison Co., Water District	1992	3,882	0	0	3,882	
	Benton/Washington Co. WD	1996	8,113	0	0	8,113	160,148
Blue Mountain Lake, AR	City of Danville	2005	1,550	0	0	1,550	1,550
Bull Shoals Lake, AR	Marion Co. Water District	1988	880	0	0	880	880
Dardanell Lake, AR	AP&L NuclearOne [1]	1970	0	0	0	0	0
DeQueen Lake, AR	Tri-Lakes Water District	1995	610	0	0	610	
	Not Under Contract	NA	0	0	17,275	17,275	17,885
Dierks Lake, AR	Marion Tri-County Water Dist.	1976	190	9,910	0	10,100	10,100
Gillham Lake, AR	Tri-Lakes Water District [space	1996	123	0	0	123	
	†ri-Lakes Water District [space	1996	20,477	0	0	20,477	20,600
Greers Ferry Lake, AR	City of Herber Springs [2]	1959	1,008	0	0	1,008	.,
	Tannebaum Golf Course	1998	90	0	0	90	
	Clinton Water District	1970	900	0	0	900	
	Community Water System	1971	225	0	0	225	
	Community WS Phase 1	1995	3,776	0	0	3,776	
	Community WS Phase 2	1998	4,283	0	0	4,283	
	Thunderbird Golf Course	1998	55	0	0	55	
	Red Apple Inn & Country Club	1996	66	0	0	66	
	City of Clinton [3]	2005	2,175	0	0	2,175	12,578
Millwood Lake, AR	SW Arkansas Water Dist.	1965	6,000	0	0	6,000	,
	Supp #2	1975	8,150	0	0	8,150	
	Supp #3	1980	14,150	0	0	14,150	
	Supp #4	1984	1,698	0	0	1,698	
	Supp #5	1986	2,830	0	0	2,830	
	Supp #6	1991	11,320	0	0	11,320	
	Supp #7	1991	396	0	0	396	
	Remaining storage under contract		0	105,456	0	105,456	150,000
Nimrod Lake, AR	City of Plainview	1973	33	0	0	33	
	City of Plainview	1995	110	0	0	110	143
Norfork Lake, AR	City of Mountain Home	1969	800	0	0	800	
	Supplement	1971	1,600	0	0	1,600	2,400
Distirct Total	11 projects / 26 agreements + 8 supplements		243,643	115,366	17,275	376,284	376,284
Water withdrawn from Dareturned to the Arkansas evaporates and is not ret contract, with zero storag [2] SWL Greers Ferry - C	lus Water Contract. No storage. ardanelle for cooling. Much water River. They pay only for what urned to the river. Count as a te. ity of Herber Springs, storage at due to construction of project,						

Southwestern Division			SWL A	(acre-feet)			
			WS Agreement Storage Space				Project WS
Project User		Date of Agree ment	Present	Future	Not Under Contract	Total	Storage Space (acre- feet)
agreement was lost by C	ity of Clinton. Water supply ity due to change in City ng with City to get up to date on						
[4] Remaining Principal owed (as applicable) includes, for the present storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.							

Southwestern Division				torage Cost		
		WS	: (\$)	D ! ()4/0		
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Little Rock						
Beaver Lake, AR	Beaver Water District	1,431,737	0	0	1,431,737	
	Supplement	3,530,805	0	0	3,530,805	
	Beaver Water District		0	0		
	Carroll-Boone Water District	742,000	0	0	742,000	
	Carroll-Boone Water District		0	0		
	Madison Co., Water District	482,991	0	0	482,991	
	Benton/Washington Co. WD	1,097,137	0	0	1,097,137	7,284,670
Blue Mountain Lake, AR	City of Danville	226,021	0	0	226,021	226,021
Bull Shoals Lake, AR	Marion Co. Water District	84,979	0	0	84,979	84,979
Dardanell Lake, AR	AP&L NuclearOne [1]	0	0	0	0	0
DeQueen Lake, AR	Tri-Lakes Water District	293,151	0	0	293,151	
	Not Under Contract	0	0	11,900,000	11,900,000	12,193,151
Dierks Lake, AR	Marion Tri-County Water Dist.	44,100	4,462,747	0	4,506,847	4,506,847
Gillham Lake, AR	Tri-Lakes Water District [space	115,412	0	0	115,412	
	†i-Lakes Water District [space	7,795,449	0	0	7,795,449	7,910,861
Greers Ferry Lake, AR	City of Herber Springs [2]	0	0	0	0	· · · · · · · · · · · · · · · · · · ·
	Tannebaum Golf Course	11,072	0	0	11,072	
	Clinton Water District	81,000	0	0	81,000	
	Community Water System	20,260	0	0	20,260	
	Community WS Phase 1	457,804	0	0	457,804	
	Community WS Phase 2	561,174	0	0	561,174	
	Thunderbird Golf Course	6,514	0	0	6,514	
	Red Apple Inn & Country Club	8,427	0	0	8,427	
	City of Clinton [3]	277,423	0	0	277,423	1,423,674
Millwood Lake, AR	SW Arkansas Water Dist.	783,760	0	0	783,760	
	Supp #2	742,910	0	0	742,910	
	Supp #3	1,348,700	0	0	1,348,700	
	Supp #4	161,900	0	0	161,900	
	Supp #5	269,800	0	0	269,800	
	Supp #6	1,079,100	0	0	1,079,100	
	Supp #7	77,346	0	0	77,346	
	Remaining storage under contract	0	20,597,366	0	20,597,366	25,060,882
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	
	Supplement	130,933	0	0	130,933	196,400
Distirct Total	11 projects / 26 agreements + 8 supplements	21,950,557	25,060,113	11,900,000	58,910,670	58,910,670
Water withdrawn from Dareturned to the Arkansas evaporates and is not ret contract, with zero storage [2] SWL Greers Ferry - C	olus Water Contract. No storage. ardanelle for cooling. Much water River. They pay only for what curned to the river. Count as a ge. City of Herber Springs, storage st due to construction of project,					

Southwestern Division						
		WS	: (\$)			
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
[3] SWL Greers Ferry - City of Clinton. Water supply agreement was lost by City due to change in City Government. SWL working with City to get up to date on payment schedule.						
[4] Remaining Principal owed (as applicable) includes, for the present storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.						

Southwestern Division			SWL Remaining Principal Owed [4]					
		_		Amount O	wed (\$)			
Project	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent		
Little Rock								
Beaver Lake, AR	Beaver Water District	2.699	363,494		363,494			
	Supplement	2.699	2,832,284		2,832,284			
	Beaver Water District		0		0			
	Carroll-Boone Water District	2.699	477,256		477,256			
	Carroll-Boone Water District		0		0			
	Madison Co., Water District	7.125	309,004		309,004			
	Benton/Washington Co. WD	7.750	688,339		688,339			
Blue Mountain Lake, AR	City of Danville	5.125	202,949		202,949			
Bull Shoals Lake, AR	Marion Co. Water District	7.500	45,535		45,535			
Dardanell Lake, AR	AP&L NuclearOne [1]	6.000	0		0			
DeQueen Lake, AR	Tri-Lakes Water District	3.222	284		284			
	Not Under Contract	NA	0	11,900,000	11,900,000			
Dierks Lake, AR	Marion Tri-County Water Dist.	3.253	0	4,462,747	4,462,747			
Gillham Lake, AR	Tri-Lakes Water District [space	2.936	71,260		71,260			
	†i-Lakes Water District [space	2.936	0		0			
Greers Ferry Lake, AR	City of Herber Springs [2]	0.000	0		0			
Greets retry Lake, 7110	Tannebaum Golf Course	6.750	7,142		7,142			
	Clinton Water District	2.591	32,931		32,931			
	Community Water System	2.591	0		0			
	Community WS Phase 1	7.750	0		0			
	Community WS Phase 2	2.600	0		0			
	Thunderbird Golf Course	6.750	5,180		5,180			
	Red Apple Inn & Country Club	6.750	6,353		6,353			
	City of Clinton [3]	5.125	277,423		277,423			
Millwood Lake, AR	SW Arkansas Water Dist.	2.632	197,073		197,073			
minvood Lako, 7 ii t	Supp #2	2.632	252,615		252,615			
	Supp #3	2.632	505,431		505,431			
	Supp #4	2.632	103,624		103,624			
	Supp #5	2.632	186,843		186,843			
	Supp #6	2.632	816,251		816,251			
	Supp #7	2.632	0		0			
	Remaining storage under contract			20,597,366	20,597,366			
Nimrod Lake, AR	City of Plainview	4.012	0		0			
	City of Plainview	6.125	15,824		15,824			
Norfork Lake, AR	City of Mountain Home	2.500	23,100		23,100			
	Supplement	2.500	61,758		61,758			
Distirct Total	11 projects / 26 agreements + 8 supplements		7,481,953	36,960,113	44,442,066	75%		
Water withdrawn from Dareturned to the Arkansas evaporates and is not ret contract, with zero storage [2] SWL Greers Ferry - C	olus Water Contract. No storage. ardanelle for cooling. Much water River. They pay only for what turned to the river. Count as a ge. City of Herber Springs, storage st due to construction of project,							

Southwestern Division		SWL Remaining Principal C						
			Amount Owed (\$)					
Project	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent		
[3] SWL Greers Ferry - City of Clinton. Water supply agreement was lost by City due to change in City Government. SWL working with City to get up to date on payment schedule.								
[4] Remaining Principal owed (as applicable) includes, for the present storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.								

Southwestern Division					SWF WS St	orage Space	
			W	_	nent Storage	Space	
		Date of		(acre-feet)		Project WS
Project Name	User	Agreeme nt	Present	Future	Not Under Contract	Total	Storage Space (acre-feet)
Fort Worth							
Aquilla Lake, TX	Brazos River Authority	1976	3,360	0	0	3,360	
	Supp (Future to Present)	1993	30,240	0	0	30,240	33,600
Bardwell Lake, TX	Trinity River Authority	1963	10,700	0	0	10,700	
	Supp (F to P) (Seg #2A)	1963	10,700	0	0	10,700	
	Supp (F to P) (Seg #2B)	1963	10,700	0	0	10,700	
	Supp (F to P) (Seg #2C)	1963	10,700	0		10,700	42,800
Belton Lake, TX	Brazos River Auth.	1957	125,700	0		125,700	
	Supp (F to P) (Space 2)	1978	235,000	0		235,000	360,700
Benbrook Lake, TX [1]	City of Ft. Worth	1969	7,250	0	0	7,250	
	Benbrook W&SA	1979	23,592	0	0	23,592	
	Benbrook W&SA	2009	7,250	0	0	7,250	
	Tarrant Reg. WD	1991	48,792	0	0	48,792	86,884
Canyon Lake, TX	Guadalupe-Bianco R. Auth.	1957	366,400	0		366,400	366,400
Cooper Dam & Jim Chapman Lake, TX	City of Irving	1968	100,625	0	0	100,625	
	N. Texas Muni. Water Dist.	1968	100,625	0	0	100,625	
	Sulphur R. MWD	1868	17,750	0	0	17,750	
	Supplement (F to P)	1868	54,000	0	0	54,000	273,000
Ferrells Bridge Dam, Lake O'The Pines, TX	N.E. Texas MWD	1955	250,000	0	0	250,000	250,000
Granger Dam & Lake,							
TX	Brazos River Auth.	1981	37,900	0	0	37,900	37,900
Grapevine Lake, TX	Dallas Co. Park	1955	50,000	0	0	50,000	
	City of Grapevine	1953	1,250	0		1,250	
	City of Grapevine	1981	25,000	0	0	25,000	
	Not Under Contract	NA	0	0	60,000	60,000	136,250
Joe Pool Lake, TX	Trinity River Auth.	1977	142,900	0		142,900	142,900
Lavon Lake, TX	N. Texas MWD	1954 renewed 2004	100,000	0	0	100,000	
	N. Texas MWD	1967	120,000	0	0	120,000	
	N. Texas MWD	1967	160,000	0	0	160,000	380,000
Lewisville Dam, TX	City of Dallas	1953	415,000	0	0	415,000	
	City of Denton	1953	21,000	0	0	21,000	436,000
Navarro Mills Lake, TX N. San Gabriel D&L	Trinity River Auth. Brazos River Auth. (Remain	1959 1981	53,200 0	0 14,631	0	53,200 14,631	53,200
(Georgetown), TX	Future)						
	Supplement (Seg #1)	1981	101	0		101	
	Supplement (Seg #2)	1981	466			466	
	Supplement (Seg #3)	1981	1,559	0		1,559	
	Supplement (Seg #4)	1981	2,835	0		2,835	
	Supplement (Seg #5)	1981	5,670	0		5,670	
	Supplement (Seg #6)	1981	142	0		142	
	Supplement (Seg #7)	1981	1,530	0		1,530	
	Supplement (Seg #8)		2,266			2,266	29,200
O C Fisher Dam & Lake, TX	Upper CO River Auth.	1999	78,793	0		78,793	78,793
Proctor Lake, TX	Brazos River Auth.	1960	6,280	0		6,280	
[2			25,120			25,120	31,400
Ray Roberts Lake, TX	City of Dallas	1980	591,700	0		591,700	
[3	City of Denton '80	1980	207,900	0	0	207,900	799,600

Southwestern Division			SWF WS Storage Space							
			W							
		Date of		_	acre-feet)	•	Project WS			
Project Name	User	Agreeme nt	Present	Future	Not Under Contract	Total	Storage Space (acre-feet)			
Sam Rayburn Dam & Reservoir, TX	Lower Neches Valley Auth.	1956	1,446,200	0	0	1,446,200				
	City of Lufkin	1969	43,000	0	0	43,000	1,489,200			
Somerville Lake, TX	Brazos River Auth.	1962	143,900	0	0	143,900	143,900			
Stillhouse Hollow Dam,	Brazos River Auth.	1962	26,740	0	0	26,740				
	Supplement (F to P)	1962	178,160	0	0	178,160	204,900			
Waco Lake, TX	Brazos River Auth	1958	91,074	0	0	91,074	·			
[4]	City of Waco	1958	13,026	0	0	13,026				
	Brazos River Auth.	1984	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-2033 Original Auth.	1968	13,400	0	0	13,400	·			
	No user provided Cont. # !- 0103 Supplanted	1968	139,320	0	0	139,320				
[5]	City of Texarkana Cont # C- 0019 Surplus Water	1968	76,663	0	0	76,663				
[6]	City of Texarkana Cont. #A- 0`07 Surplus Water	1964	71,200	0	0	71,200	300,583			
District Totals	23 projects / 40 contracts + 16 supplements		5,804,205	14,631	60,000	5,878,836	5,878,836			
is from navigation pool a needed for navigation. [2] SWF, Proctor: User his paying P&I.	ontracts are surplus. Storage nd will be used by M&I until has not activated storage but on 6/18/98, city \$26,828,840 in									
principal and \$1,062,312 payments not due at this	in interest. Additional									
	Vaco. The City transferred e Government in return for project at no cost.									
	This contract was suppose n of Cooper Lake or the date to Wright Patman									
Lake is impounded	. To be utilized until Cooper									
[7] Remaining Principal of for the present use stora balance after the end of period. Price level varies	the ten-year interest free									

Southwestern Division			SWF	WS Storag	e Cost	
		ws /	Agreement	Storage Cos	st (\$)	
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Fort Worth						
Aquilla Lake, TX	Brazos River Authority	1,119,445	0	0	1,119,445	
Bardwell Lake, TX	Supp (Future to Present)	10,754,007	0	0	10,754,007	
Daiuweii Lake, 17	Trinity River Authority Supp (F to P) (Seg #2A)	825,360	0	0	825,360 822,647	
	Supp (F to P) (Seg #2B)	822,647 822,647	0	0	822,647	
	Supp (F to P) (Seg #2C)	822,647	0	0	822,647	3,293,301
Belton Lake, TX	Brazos River Auth.	1,524,091	0	0	1,524,091	0,200,001
2011011 20110, 171	Supp (F to P) (Space 2)	3,600,909	0	0	3,600,909	5,125,000
Benbrook Lake, TX [1]	City of Ft. Worth	310,000	0	0	310,000	
	Benbrook W&SA	393,800	0	0	393,800	
	Benbrook W&SA	310,000	0	0	310,000	
	Tarrant Reg. WD	2,086,600	0	0	2,086,600	
Canyon Lake, TX	Guadalupe-Bianco R. Auth.	8,080,490	0	0	8,080,490	
Cooper Dam & Jim Chapman Lake, TX	City of Irving	20,939,506	0	0	20,939,506	
•	N. Texas Muni. Water Dist.	20,077,613	0	0	20,077,613	
	Sulphur R. MWD	5,105,428	0	0	5,105,428	
	Supplement (F to P)	10,871,316	0	0	10,871,316	56,993,863
Ferrells Bridge Dam, Lake O'The Pines, TX	N.E. Texas MWD	3,200,000	0	0	3,200,000	3,200,000
Granger Dam & Lake, TX	Brazos River Auth.	14,619,200	0	0	14,619,200	14,619,200
Grapevine Lake, TX	Dallas Co. Park	683,547	0	0	683,547	
	City of Grapevine	19,987	0	0	19,987	
	City of Grapevine	683,547	0	0	683,547	
	Not Under Contract	0	0	2,573,695	2,573,695	
Joe Pool Lake, TX Lavon Lake, TX	Trinity River Auth. N. Texas MWD	66,609,478 1,445,262	0	0	66,609,478 1,445,262	66,609,478
	N. Texas MWD	15,839,705	0	0	15,839,705	
	N. Texas MWD	21,381,300	0	0	21,381,300	
Lewisville Dam, TX	City of Dallas	3,676,661	0	0	3,676,661	
	City of Denton	250,064	0	0	250,064	
Navarro Mills Lake, TX N. San Gabriel D&L	Trinity River Auth. Brazos River Auth. (Remain	2,176,089 0	0 3,572,818	0	2,176,089 3,572,818	2,176,089
(Georgetown), TX	Future)					
	Supplement (Seg #1)	24,671	0	0	24,671	
	Supplement (Seg #2)	113,801	0	0	113,801	
	Supplement (Seg #3)	380,762	0	0	380,762	
	Supplement (Seg #4)	692,288	0	0	692,288	
	Supplement (Seg #5)	1,384,505	0	0	1,384,505	
	Supplement (Seg #6)	34,582	0	0	34,582	
	Supplement (Seg #7) Supplement (Seg #8)	373,632 553 317	0	0	373,632 553,317	
O C Fisher Dam & Lake, TX	Upper CO River Auth.	553,317 860,437	0	0	553,317 860,437	860,437
Proctor Lake, TX	Brazos River Auth.	262,765	0	0	262,765	
[2]		1,051,062	0	0	1,051,062	
Ray Roberts Lake, TX	City of Dallas	165,342,765	0	0	165,342,765	
•	City of Denton '80	60,309,721	0	0	60,309,721	

Southwestern Division			SWF	WS Storage	e Cost	
		ws /	Agreement	Storage Cos	t (\$)	
Project Name	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Sam Rayburn Dam & Reservoir, TX	Lower Neches Valley Auth.	3,000,000	0	0	3,000,000	
	City of Lufkin	3,267,000	0	0	3,267,000	6,267,000
Somerville Lake, TX	Brazos River Auth.	7,197,452	0	0	7,197,452	7,197,452
Stillhouse Hollow Dam,	Brazos River Auth.	911,229	0	0	911,229	
	Supplement (F to P)	6,215,435	0	0	6,215,435	7,126,664
Waco Lake, TX	Brazos River Auth	5,793,000	0	0	5,793,000	
[4]	City of Waco	0	0	0	0	
	Brazos River Auth.	15,242,000	0	0	15,242,000	21,035,000
Whitney Lake, TX	Brazos River Auth.	1,181,440	0	0	1,181,440	
Wright Patman Dam & Lake, TX	City of Texarkana Cont. #C-2033 Original Auth.	350,000	0	0	350,000	
	No user provided Cont. #!- 0103 Supplanted	6,198,969	0	0	6,198,969	
[5]	City of Texarkana Cont # C- 0019 Surplus Water	1,437,647	0	0	1,437,647	
[6]	City of Texarkana Cont. #A- 0`07 Surplus Water	6,198,969	0	0	6,198,969	14,185,585
District Totals	23 projects / 40 contracts + 16 supplements	507,428,795	3,572,818	2,573,695	513,575,308	513,575,308
is from navigation pool a needed for navigation.	ontracts are surplus. Storage nd will be used by M&I until					
[2] SWF, Proctor: User his paying P&I.	nas not activated storage but					
[3] SWF, Ray Roberts: O principal and \$1,062,312 payments not due at this						
	Vaco. The City transferred e Government in return for project at no cost.					
	This contract was suppose n of Cooper Lake or the date to Wright Patman					
Lake is impounded	. To be utilized until Cooper					
[7] Remaining Principal of for the present use storage balance after the end of the period. Price level varies	the ten-year interest free					

Southwestern Division			SWF Remaining Principal Owed [7]						
		A		Amount (Owed (\$)				
Project Name	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent			
Fort Worth									
Aquilla Lake, TX	Brazos River Authority	5.116	841,446	0	841,446				
	Supp (Future to Present)	5.116	8,569,594	0	8,569,594				
Bardwell Lake, TX	Trinity River Authority	2.936	174,661	0	174,661				
	Supp (F to P) (Seg #2A)	2.936	349,062	0	349,062				
	Supp (F to P) (Seg #2B)	2.936	437,398	0	437,398				
	Supp (F to P) (Seg #2C)	2.936	652,934	0	652,934				
Belton Lake, TX	Brazos River Auth.	2.500	0	0	0				
	Supp (F to P) (Space 2)	2.500	1,645,500	0	1,645,500				
Benbrook Lake, TX [1]	City of Ft. Worth	2.500	122,501	0	122,501				
	Benbrook W&SA	6.595	233,321	0	233,321				
	Benbrook W&SA	2.500	124,675	0	124,675				
	Tarrant Reg. WD	9.125	1,348,789	0	1,348,789				
Canyon Lake, TX	Guadalupe-Bianco R. Auth.	2.500	4,999,249	0	4,999,249				
Cooper Dam & Jim Chapman Lake, TX	City of Irving	3.253	19,025,788	0	19,025,788				
	N. Texas Muni. Water Dist.	6.502	20,072,613	0	20,072,613				
	Sulphur R. MWD	3.253	3,397,506	0	3,397,506				
	Supplement (F to P)	3.253	10,684,298	0	10,684,298				
Ferrells Bridge Dam, Lake O'The Pines, TX	N.E. Texas MWD	13.400	0	0	0				
Granger Dam & Lake,									
TX	Brazos River Auth.	3.256	12,409,873	0	12,409,873				
Grapevine Lake, TX	Dallas Co. Park	8.605	0	0	0				
	City of Grapevine	3.130	0	0	0				
	City of Grapevine	3.130	0	0	0				
	Not Under Contract	NA	0	2,573,695	2,573,695				
Joe Pool Lake, TX	Trinity River Auth.	5.116	0		0				
Lavon Lake, TX	N. Texas MWD	2.500	0	0	0				
	N. Texas MWD	3.225	8,978,986	0	8,978,986				
	N. Texas MWD	3.225	11,470,899	0	11,470,899				
Lewisville Dam, TX	City of Dallas	3.000	0	0	0				
	City of Denton	2.500	0	0	0				
Navarro Mills Lake, TX	Trinity River Auth.	2.670	116,490	0	116,490				
N. San Gabriel D&L (Georgetown), TX	Brazos River Auth. (Remain Future)		0	2,709,633	2,709,633				
	Supplement (Seg #1)		16,895	0	16,895				
	Supplement (Seg #2)		81,752	0	81,752				
	Supplement (Seg #3)	3.253	270,677	0	270,677				
	Supplement (Seg #4)	3.233	492,135	0	492,135				
	Supplement (Seg #5)		1,032,160	0	1,032,160				
	Supplement (Seg #6)	<u> </u>	26,712	0	26,712				
	Supplement (Seg #7)	<u> </u>	289,784	0	289,784				
	Supplement (Seg #8)		437,529	0	437,529				
O C Fisher Dam & Lake, TX	Upper CO River Auth.	5.837	0	0	0				
Proctor Lake, TX	Brazos River Auth.	5.166	53,503	0	53,503				
[2]		6.089	477,437	0	477,437				
Ray Roberts Lake, TX	City of Dallas	7.210	82,407,725	0	82,407,725				
[3]	City of Denton '80	7.210	0	0	0				

Southwestern Division			SWF Remaining Principal Owed [7]							
		Agreement		Amount C	Owed (\$)					
Project Name	User	Interest Rate (%)	Present	Future	Total	District Percent				
Sam Rayburn Dam & Reservoir, TX	Lower Neches Valley Auth.	2.500	0	0	0					
	City of Lufkin	2.591	3,056,000	0	3,056,000					
Somerville Lake, TX	Brazos River Auth.	2.742	0	0	0					
Stillhouse Hollow Dam,	Brazos River Auth.	2.742	332,287	0	332,287					
	Supplement (F to P)	2.742	2,536,523	0	2,536,523					
Waco Lake, TX	Brazos River Auth	7.229	2,970,000	0	2,970,000					
[4]	City of Waco	14.607	0	0	0					
	Brazos River Auth.	2.087	0	0	0					
Whitney Lake, TX	Brazos River Auth.	3.216	0	0	0					
Wright Patman Dam & Lake, TX	City of Texarkana Cont. #C-2033 Original Auth.	3.620	0	0	0					
	No user provided Cont. #!- 0103 Supplanted	3.620	0	0	0					
[5]	City of Texarkana Cont # C- 0019 Surplus Water	3.620	510,949	0	510,949					
[6]	City of Texarkana Cont. #A- 0`07 Surplus Water	3.620	0	0	0					
District Totals	23 projects / 40 contracts + 16		200,647,651	5,283,328	205,930,979	40%				
	supplements									
is from navigation pool an needed for navigation.	ontracts are surplus. Storage nd will be used by M&I until									
[2] SWF, Proctor: User h is paying P&I.	as not activated storage but									
[3] SWF, Ray Roberts: O principal and \$1,062,312 payments not due at this										
	Vaco. The City transferred e Government in return for project at no cost.									
	This contract was suppose n of Cooper Lake or the date									
of completion of all mods										
[6] SWF, Wright Patman Lake is impounded	. To be utilized until Cooper									
	wed (as applicable) includes,									
balance after the end of t period. Price level varies	he ten-year interest free									

Tulsa		Data of	WS A	greement	WS Storage Storage Spa		Project WS Storage Space (acre-feet)
Project	User	Date of Agree ment	Present	Future	Not Under Contract	Total	
Arcadia Lake, OK	Edmond PWA	1979	23,090	0	0	23,090	23,090
Birch	Not Under Contract	NA			7,630	7,630	7,630
Broken Bow Lake, OK	OK Tourism & Recreation	1988	60	0	0	60	Í
	Broken Bow PWA (includes conduit)	1990	4,241	0	0	4,241	
	Broken Bow PWA Future to Present	1990	4,054	0	0	4,054	
	Not Under Contract	NA	0	0	144,085	144,085	152,440
Canton Lake, OK	OK City Muni. Imp. Auth	1991	90,000	0	0	90,000	90,000
Copan Lake, OK	Copan PWA	1981	5,000	0	0	5,000	5,000
Council Grove, KA	KS Water Res. Board	1976	24,400	0	0	24,400	
	State of KS - Reallocation [1]	1996	8,000	0	0	8,000	32,400
Denison Dam, L. Texoma, OK & TX	City of Denison, TX	1953	21,300	0	0	21,300	
·	TX Power & Light	1961	16,400	0		16,400	
	Red River Auth. of TX [2]	1969	450	0	0	450	
	Red River Auth. of TX	1983	2,054	0	0	2,054	
	N. Texas MWD	1985	84,099	0	0	84,099	
	Greater Texoma Utility Auth.	1992	5,500	0	0	5,500	
	Greater Texoma Utility Auth.	1979	5,500	0	0	5,500	
	Commissioner of the Land	2005	275	0	0	275	
	Greater Texoma Utility Auth.	2005	11,600	0	0	11,600	
	Buncombe Creek View Ad	1992	1	0	0	1	147,179
El Dorado Lake, KA	City of El Dorado (original) [3]	1972	39,793	0	0	39,793	
	(Space 2)	1972	11,666	0	0	11,666	
	(Space 3)	1972	91,341	0	0	91,341	142,800
Elk City, KA	KS Water Res. Board	1970	24,300	0	0	24,300	
	State of KS [1]	1996	10,000	0	0	10,000	34,300
Eufaula Lake, OK	Haskell County Water Co.	1968	400	0	0	400	
	Pittsburg Co. Water Co.	1968	850	0	0	850	
	Haskell Co. RWD #1	1969	50	0	0	50	
	Haskell Co., RWD #3	1974	25	0	0	25	
	Pittsburg Co. RWD #4	1969	50	0	0	50	
	Muskogee Co. MWD #3	1969	100	0		100	
	Porum PWA	1969	125	0		125	
	Lakeside Water Co., Inc	1971	20	0	-	20	
	Sherwood Forrest Co.	1971	60	0	-	60	
	Krebs Utility Auth.	1980	280	0		280	
	RWD #8 McIntosh Co.#8	1981	300	0		300	
	Activate Future	1981	1,200	0		1,200	
	Porum PWA	1981	280	0	-	280	
	Activate Future		120	0	-	120	
	Pittsburg Co. PWA	1981	300	0	-	300	
	Activate Future	1981	190	0	-	190	
	Longtown RWD & SD #1	1985	1,000	0	-	1,000	
	Public Service Co. of OK	1985	0.050	100		100	
	McAlester PWA	1987	6,250	0		6,250	
	Bristow Point Property Owners Assoc.	1989	15	0		15	
	Twin Rivers Estates, Inc.	1990	9	0		9	
	Bridgeport Dunes Condo Assoc.	1990	5	0		5	
	Pittsburg Co. RWD #14	1991	320	0		320	
	Warner Utilities Auth.	1996	475	0	0	475	

Tulsa				SWT	WS Storage	Space	
			WS A				
		Date of		(acre	-feet)		Project WS
Project	User	Agree ment	Present	Future	Not Under Contract	Total	Storage Space (acre-feet)
(Eufalula continued)	RWD No. 2, Onapa	1998	1,000	0	0	1,000	
,	Juniper Water Co.	2001	12,040	0	0	12,040	
	Pittsburg Co. PWA	1981	490	0	0	490	
	RWD #3 Muskogee Co.	2009	150	0	0	150	
	City of Checotah	2009	1,600	0	0	1,600	
	Not Under Contract	NA	0	0	27,916	27,916	55,720
Heyburn, OK	Creek Co. RWD #1	1964	300	0	0	300	,
	Creek Co. RWD #1	1968	600	0	0	600	
	Creek Co. RWD #1	1978	1,100	0	0	1,100	
Hugo Lake, OK	Western Farmers Elect. Coop	1980	6,100	0	0	6,100	
rago zano, ort	Space #2	2006	17,350	0	0	17,350	
	City of Checotah	1975	920	0	0	920	
	City of Hugo (includes \$32,800 for conduit present use)	1974	1,640	18,880	0	20,520	
	Pushmataha Co. RWD #3	1994	512	0	0	512	
	Not Under Contract [4]	NA	0	0	2,198	2,198	
Hula, OK	City of Bartlesville	1957	15,400	0	2,190	15,400	
Tiula, OK	City of Bartlesville Mod.	1970	2,200	0	0	2,200	
	Hula Water District	1970	100	0	0	100	
	City of Bartlesville	1982	2,100	0	0	2,100	
John Redmond, KA	KS Water Res. Board	1975	34,900	0	0	34,900	
John Reamona, RA	State of KS [1]	1996	10,000	0	0	10,000	
Kow Loko OK	OK Gas & Electric	2007	9,150	0	0	9,150	
Kaw Lake, OK				0	0		
	Supplement Space #2	2007 1980	30,200	0	0	30,200	
	Kaw Reservoir Auth. (Conveyance Facilities)	1900	U	U	U	U	
	,	1981	E1 4E0		0	E4 4E0	
	Stillwater Utility Authority		51,450	0	0	51,450	
	Kaw Nation	2003	6	0	0	193	
	Otoe-Missouria	1993	183 0			183	
Karratana Laka OK	Not Under Contract [5]	NA 1074		0	80,217	80,217	
Keystone Lake, OK	Public Service Co. of OK	1971	7,000	0	0	7,000	
	Supp Space #2	1971	11,000	0	0	11,000	
Manian I/A	Not Under Contract	4070	0	0	2,000	2,000	
Marion, KA	KS Water Res. Board	1976	38,300	0	0	38,300	
Oalamah Lala OK	Kansas Water Office [1] City of Tulsa (conduit)	1996	12,500	0	0	12,500	
Oologah Lake, OK	, , ,	1985	0	0	0	0 000	
	City of Tulsa	1985	38,000	0	0	38,000	
	Supplement Space #2	1985	6,500	0	0	6,500	
	Supplement Space #3	1985	44,500	0	0	44,500	
	Supplement Space #4	1985	196,450	0	0	196,450	
	City of Collinsville	1985	500	0	0	500	
	Supplement Space #2	1985	6,170	0	0	6,170	
	Public Service Co. of OK	1985	5,000	0	0	5,000	
	Supplement Space #2	1985	15,990	0	0	15,990	
	Rogers Co., RWD #4	1985	300	0	0	300	
	Supplement Space #2	1985	1,290	0	0	1,290	
	Rogers Co., RWD #3	1985	600	0	0	600	
	Supplement Space #2	1985	5,360	0	0	5,360	
	Supp, L. went to ultimate dev.	1985	5,360	0	0	5,360	
	Washington Co., RWD #3	1992	4,170	0	0	4,170	
	Town of Chelsea	1982	1,530	0	0	1,530	
	Town of Chelsea from Nowata	1985	100	0	0	100	

Tulsa							
			WS A				
		Date of		(acre	-feet)		Project WS Storage Space (acre-feet)
Project	User	Agree ment	Present	Future	Not Under Contract	Total	
(Oologah continued)	Supplemental Space #2	1985	100	0	0	100	
(Cologail collainaca)	Claremore Public Works Auth	1988	445	0		445	
	Claremore Public Works	1999	6,230	0	-	6,230	
	PSO	2009	4,005	0	-	4,005	342,600
Pat Mayse Lake, TX	City of Paris	1965	21,900	0		21,900	0.2,000
Pat Mayse (continued)	Supplement #1	1978	87,700	0		87,700	109,600
Pearson - Skubitz Big Hill Lake, KS	State of KS	1973	25,700	0		25,700	25,700
	Conduit Not Under Contract			0	0	0	0
Pine Creek Lake, OK	Weyerhaeuser	1970	14,700	0	0	14,700	
	Supplement #1	1970	14,100	0	0	14,100	28,800
Sardis Lake, OK	OK Water Res. Board (includes conduit under present use) [6]	1974	141,700	155,500	0	297,200	297,200
Skiatook Lake, OK	Osage Co., RWD #15 (Conveyance Facilities)	1984	0	0	0	0	0
	RWD #15, Osage Co	1987	0	2,000	0	2,000	0
	Sand Springs Municipal Auth.	1988	6,740	0	0	6,740	
	Sand Springs Municipal Auth.	1988	2,245	0	0	2,245	
	Sapulpa Municipal Auth.	2005	4,500	0	0	4,500	
	Sapulpa Municipal Auth.	2002	4,500	0	0	4,500	
	Skiatook PWA	1988	2,018	0	0	2,018	
	Sands Springs	2005	11,250	0	0	11,250	
	Skiatook PWA	1998	2,743	0	0	2,743	
	Not Under Contract	NA	0	0	26,904	26,904	62,900
Tenkiller Ferry Lake, OK	East Central OK Water Auth.	1964	300	0	0	300	
	Cherokee Co., RWD #13 [7]	2007	100	0	0	100	
	Cherokee Co., RWD #2 [7]	1967	100	0	0	100	
	Sequoyah Co. Water Assoc. [7]	1998	2,200	0	0	2,200	
	Sequoyah Fules Corp. [7]	1970	14,000	0	0	14,000	
	Summit Water Inc. [7]	1971	140	0	0	140	
	Paradise Hills, Inc. [7]	1974	220	0	0	220	
	Lake Tenkiller Associates [7]	1980	200	0	0	200	
	Greenleaf Nursery Co. [8]	2004	2,120	0	0	2,120	
	Greenleaf Nursery Co. [8]	2005	300	0	0	300	
	L. Reg. Elec. Dev. Coop. Inc.	1989	38	0	0	38	
	L. Reg. Elec. Dev. Coop. Inc.	1994	15	0	0	15	
	L. Reg. Elec. Dev. Coop. Inc.	1991	34	0	0	34	
	L. Reg. Elec. Dev. Coop. Inc.	1994	30	0	0	30	
	Mongold Water System	1990	5	0	0	5	
	Tenkiller Aqua Park	1990	17	0	0	17	
	Gore Public Works Auth.	1990	480	0	0	480	
	Pettit Bay Water Association	1991	5	0	0	5	
	Fin and Feather Resort	1992	12	0		12	
	Sixshooter Water System	1992	2	0		2	
	Indian Hills Estates Company	1993	3	0	0	3	
	Bill Richardson	1992	1	0	0	1	
	Charles Willige	1996	2	0	0	2	
	J.R. Mosteller	1993	2	0	0	2	
	Burnt Cabin RWD Inc.	1994	12	0	0	12	
	Sunny Heights Water System	1995	10	0	0	10	

Tulsa			SWT WS Storage Space					
			WS A		Storage Sp			
		Date of		Project WS				
Project	User	Agree					Storage	
i roject	0301	ment	Present	Future	Not Under	Total	Space	
			11000111		Contract		(acre-feet)	
(Tenkiller continued)	Tenkiller Development Co.	1995	3	0	0	3		
,	RWD #13 Cherokee Co.	2004	132	0	0	132		
	Stick Ross Mountain Water Co.	2005	584	0	0	584		
	Tahlequah PWA	2005	4,300	0	0	4,300		
	Billy Joe Stewart	1992	6	0	0	6		
	RWD #2, Cherokee Co	2007	99	0	0	99	25,472	
Toronto Lake, KS	City of Toronto	1965	265	0		265		
referre zane, re	Activate Future	1998	135	0		135	400	
Waurika Lake, OK	Waurika Project Master Conservation	1970	41,800	0	_	41,800	100	
vvaama Lake, Ok	District	1370	41,000	O		41,000		
	Waurika PMC Dist Eastern (Conveyance	1978	0	0	0	0		
	Facil)							
	Waurika PMC Dist Southern	1978	0	0	0	0		
	(ConveyanceFacil)							
	Waurika PMC Dist Western (Conveyance Facil)	1978	0	0	0	0		
	Not Under Contract		0	0	109,600	109,600	151,400	
Wister Lake, OK	Heavener Utility Auth. [9]	2007	1,766	0	0	1,766	,	
Wiotor Lano, Ort	Poteau Valley Improvement Dist.	1967	4,800	0	_	4,800		
	Poteau Valley Improvement Dist.	1987	7,253	0	_	7,253	13,819	
27 projects	27 projects / 131 agreements + 22	1307	1,527,726	176,480		2,104,756	2,104,756	
21 projects	supplements		1,321,120	170,400	400,550	2,104,730	2,104,730	
quality storage was rea developed under the M based on original const water quality storage	e, Elk City, John Redmond, Marion, Water llocated and costs in this agreement OU with the State of Kansas. Storage costs ruction or sunk costs of the reallocated, No cost computations included in the 1969							
contract. The practice sunk costs on a use-of-	at that time, however, was to use original or facilities cost allocation basis.							
	ity traded lands for the project, they pay							
	TMH assumed \$57.32/AF for price							
	JC. TMH assumed \$229.74/AF for price							
[6] SWT, Sardis Lake.	Agreement has been in litigation since							
	e, East Central OK Water Auth, Cherokee							
	equoyah County Water Assn, Sequoia							
·	nc., Paradise Hills and Lake Tenkiller							
	ed on revision to the 1969 cost allocation;							
	e reduced and assigned to water supply signed from the flood control pool.							
onio otorago was reas	organist from the flood control pool.							
Assigned to WS under	e, Greenleaf Nursery (both contracts). Sec 931, PL 99-662 (interim use of water cost based on original cost of storage.							

		SWT WS Storage Space					
	Data of	WS	•	• .	ace	Project WS Storage Space (acre-feet)	
User	Agree ment	Present	Future	Not Under Contract	Total		
[9] SWT, Wister, Heavener Utility Auth. This 2007 agreement replaced the original 1963 agreement. Total amount of agreement, total repaid and amount remaing have been adjusted to show the sum of the two agreements.							
owed (as applicable) includes, for the rest on the unpaid balance after the end of period. Price level varies.							
	er Utility Auth. This 2007 agreement 3 agreement. Total amount of agreement, remaing have been adjusted to show the hts. owed (as applicable) includes, for the rest on the unpaid balance after the end of	er Utility Auth. This 2007 agreement 3 agreement. Total amount of agreement, remaing have been adjusted to show the onts. owed (as applicable) includes, for the rest on the unpaid balance after the end of	User User Date of Agree ment Present Present a agreement. Total amount of agreement, remaing have been adjusted to show the onts. owed (as applicable) includes, for the rest on the unpaid balance after the end of	User User Date of Agreement Agreement Present Future The series of Agreement agreement, remaing have been adjusted to show the onts. Owed (as applicable) includes, for the rest on the unpaid balance after the end of	User Date of Agreement Present Present Future Not Under Contract Total amount of agreement, remaing have been adjusted to show the onts. Owed (as applicable) includes, for the rest on the unpaid balance after the end of	User Date of Agree ment Present Future Not Under Contract Total	

Tulsa			SWT	WS Storage	Cost	
	User	WS	(\$)			
Project		Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
Arcadia Lake, OK	Edmond PWA	44,310,244	0	0	44,310,244	44,310,244
Birch	Not Under Contract	0	0	885,000	885,000	885,000
Broken Bow Lake, OK	OK Tourism & Recreation	2,662	0	0	2,662	
	Broken Bow PWA (includes conduit)	170,189	0	0	170,189	
	Broken Bow PWA Future to Present	107,585	0	0	107,585	
	Not Under Contract	0	0	3,881,544	3,881,544	4,161,980
Canton Lake, OK	OK City Muni. Imp. Auth	2,806,900	0	0	2,806,900	2,806,900
Copan Lake, OK	Copan PWA	5,373,820	0	0	5,373,820	5,373,820
Council Grove, KA	KS Water Res. Board	1,461,764	0	0	1,461,764	
	State of KS - Reallocation [1]	723,218	0	0	723,218	2,184,982
Denison Dam, L. Texoma, OK & TX	City of Denison, TX	292,861	0	0	292,861	
TCXOIIIa, OR & TX	TX Power & Light	286,353	0	0	286,353	
	Red River Auth. of TX [2]	9,100	0	0	9,100	
	Red River Auth. of TX	359,455	0	0	359,455	
	N. Texas MWD	16,984,605	0	0	16,984,605	
	Greater Texoma Utility Auth.	1,266,081	0	0	1,266,081	
	Greater Texoma Utility Auth.	1,407,751	0	0	1,407,751	
	Commissioner of the Land	87,696	0	0	87,696	
	Greater Texoma Utility Auth.	3,727,060	0	0	3,727,060	
	Buncombe Creek View Ad	248	0	0	248	
El Dorado Lake, KA	City of El Dorado (original) [3]	11,050,000	0	0	11,050,000	
	(Space 2)	3,046,527	0	0	3,046,527	
	(Space 3)	23,441,207	0	0	23,441,207	
Elk City, KA	KS Water Res. Board	2,146,666	0	0	2,146,666	
,	State of KS [1]	1,150,580	0	0	1,150,580	3,297,246
Eufaula Lake, OK	Haskell County Water Co.	35,440	0	0	35,440	
·	Pittsburg Co. Water Co.	75,330	0	0	75,330	
	Haskell Co. RWD #1	4,706	0	0	4,706	
	Haskell Co., RWD #3	0	0	0	0	
	Pittsburg Co. RWD #4	4,420	0	0	4,420	
	Muskogee Co. MWD #3	8,880	0	0	8,880	
	Porum PWA	11,786	0	0	11,786	
	Lakeside Water Co., Inc	1,970	0	0	1,970	
	Sherwood Forrest Co.	5,880	0	0	5,880	
	Krebs Utility Auth.	29,116	0	0	29,116	
	RWD #8 McIntosh Co.#8	32,504	0	0	32,504	
	Activate Future	262,290	0	0	262,290	
	Porum PWA	30,063	0	0	30,063	
	Activate Future	24,726	0	0	24,726	
	Pittsburg Co. PWA	33,118	0	0	33,118	
	Activate Future	40,581	0	0	40,581	
	Longtown RWD & SD #1	107,949	0	0	107,949	
	Public Service Co. of OK	0	11,016	0	11,016	
	McAlester PWA	719,075	0	0	719,075	
	Bristow Point Property Owners Assoc.	1,823	0	0	1,823	
	Twin Rivers Estates, Inc.	148	0	0	148	
	Bridgeport Dunes Condo Assoc.	628	0	0	628	
	Pittsburg Co. RWD #14	40,090	0	0	40,090	
	Warner Utilities Auth.	68,339	0	0	68,339	

Tulsa			SW	「WS Storage	Cost	
		WS	Agreement	Storage Cost	(\$)	
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
(Eufalula continued)	RWD No. 2, Onapa	140,569	0	0	140,569	
	Juniper Water Co.	1,981,186	0	0	1,981,186	
	Pittsburg Co. PWA	58,928	0	0	58,928	
	RWD #3 Muskogee Co.	29,954	0	0	29,954	
	City of Checotah	317,904	0	0	317,904	
	Not Under Contract	0	0	4,009,866	4,009,866	8,088,285
Heyburn, OK	Creek Co. RWD #1	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	Western Farmers Elect. Coop	349,710	0	0	349,710	
	Space #2	2,026,518	0	0	2,026,518	
	City of Checotah	52,750	0	0	52,750	
	City of Hugo (includes \$32,800 for conduit present use)	126,810	1,082,390	0	1,209,200	
	Pushmataha Co. RWD #3	29,418	0	0	29,418	
	Not Under Contract [4]	0	0	125,990	125,990	3,793,586
Hula, OK	City of Bartlesville	401,320	0	0	401,320	
	City of Bartlesville Mod.	88,270	0	0	88,270	
	Hula Water District	4,000	0	0	4,000	
	City of Bartlesville	141,500	0	0	141,500	635,090
John Redmond, KA	KS Water Res. Board	4,498,911	0	0	4,498,911	
	State of KS [1]	832,485	0	0	832,485	5,331,396
Kaw Lake, OK	OK Gas & Electric	2,102,289	0	0	2,102,289	
	Supplement Space #2	6,938,145	0	0	6,938,145	
	Kaw Reservoir Auth. (Conveyance Facilities)	395,975	0	0	395,975	
	Stillwater Utility Authority	11,724,193	0	0	11,724,193	
	Kaw Nation	265	0	0	265	
	Otoe-Missouria	42,085	0	0	42,085	
	Not Under Contract [5]	0	0	18,373,933	18,373,933	39,576,885
Keystone Lake, OK	Public Service Co. of OK	613,085	0	0	613,085	
•	Supp Space #2	1,032,690	0	0	1,032,690	
	Not Under Contract	0	0	203,500	203,500	1,849,275
Marion, KA	KS Water Res. Board	1,576,327	0	0	1,576,327	
	Kansas Water Office [1]	2,187,785	0	0	2,187,785	
Oologah Lake, OK	City of Tulsa (conduit)	409,342	0	0	409,342	
_	City of Tulsa	1,485,962	0	0	1,485,962	
	Supplement Space #2	259,471	0	0	259,471	
	Supplement Space #3	1,642,359	0	0	1,642,359	
	Supplement Space #4	6,551,819	0	0	6,551,819	
	City of Collinsville	16,160	0	0	16,160	
	Supplement Space #2	199,490	0	0	199,490	
	Public Service Co. of OK	161,660	0	0	161,660	
	Supplement Space #2	538,353	0	0	538,353	
	Rogers Co., RWD #4	9,700	0	0	9,700	
	Supplement Space #2	44,655	0	0	44,655	
	Rogers Co., RWD #3	19,390	0	0	19,390	
	Supplement Space #2	184,118	0	0	184,118	
	Supp, L. went to ultimate dev.	173,310	0	0	173,310	
	Washington Co., RWD #3	175,646	0	0	175,646	
	Town of Chelsea	49,375	0	0	49,375	
	Town of Chelsea from Nowata	3,235	0	0	3,235	

Tulsa			SWT	Γ WS Storage	Cost	
		ws	Agreement	Storage Cost	(\$)	
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
(Oologah continued)	Supplemental Space #2	3,356	0	0	3,356	
(conganicanimia)	Claremore Public Works Auth	16,632	0	0	16,632	
	Claremore Public Works	324,284	0	0	324,284	
	PSO	168,695	0	0	168,695	
Pat Mayse Lake, TX	City of Paris	689,200	0	0	689,200	
Pat Mayse (continued)	Supplement #1	2,588,796	0	0	2,588,796	
Pearson - Skubitz Big Hill Lake, KS	State of KS	6,955,770	0	0	6,955,770	
	Conduit Not Under Contract	0	0	21,244	21,244	6,977,014
Pine Creek Lake, OK	Weyerhaeuser	1,523,506	0	0	1,523,506	
Sardis Lake, OK	Supplement #1 OK Water Res. Board (includes conduit under present use) [6]	1,461,051 18,608,479	0 19,760,089	0	1,461,051 38,368,568	
Skiatook Lake, OK	Osage Co., RWD #15 (Conveyance Facilities)	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	
	Sand Springs Municipal Auth.	632,924	0	0	632,924	
	Sapulpa Municipal Auth.	1,911,561	0	0	1,911,561	
	Sapulpa Municipal Auth.	1,738,077	0	0	1,738,077	
	Skiatook PWA	568,904	0	0	568,904	
	Sands Springs	4,802,475	0	0	4,802,475	
	Skiatook PWA	890,715	0	0	890,715	
	Not Under Contract	0	0	4,021,250	4,021,250	17,733,923
Tenkiller Ferry Lake, OK	East Central OK Water Auth.	17,700	0	0	17,700	
	Cherokee Co., RWD #13 [7]	2,020	0	0	2,020	
	Cherokee Co., RWD #2 [7]	2,020	0	0	2,020	
	Sequoyah Co. Water Assoc. [7]	44,400	0	0	44,400	
	Sequoyah Fules Corp. [7]	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	
	Greenleaf Nursery Co. [8]	24,660	0	0	24,660	
	Greenleaf Nursery Co. [8]	6,290	0	0	6,290	
	L. Reg. Elec. Dev. Coop. Inc.	4,157	0	0	4,157	
	L. Reg. Elec. Dev. Coop. Inc.	2,166	0	0	2,166	
	L. Reg. Elec. Dev. Coop. Inc.	4,261	0	0	4,261	
	L. Reg. Elec. Dev. Coop. Inc.	4,350	0	0	4,350	
	Mongold Water System	1,167	0	0	1,167	
	Tenkiller Aqua Park	2,043	0	0	2,043	
	Gore Public Works Auth.	51,831	0	0	51,831	
	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	
	Indian Hills Estates Company	402	0	0	402	
	Bill Richardson	132	0	0	132	
	Charles Willige	286	0	0	286	
	J.R. Mosteller	268	0	0	268	
	Burnt Cabin RWD Inc.	1,311	0	0	1,311	
	Sunny Heights Water System	1,372	0	0	1,372	

Tulsa			SW	「WS Storage	Cost	
		ws				
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
(Tenkiller continued)	Tenkiller Development Co.	417	0	0	417	
,	RWD #13 Cherokee Co.	20,532	0	0	20,532	
	Stick Ross Mountain Water Co.	98,205	0	0	98,205	
	Tahlequah PWA	723,274	0	0	723,274	
	Billy Joe Stewart	775	0	0	775	
	RWD #2, Cherokee Co	19,123	0	0	19,123	1,337,257
Toronto Lake, KS	City of Toronto	21,410	0	0	21,410	
	Activate Future	14,965	0	0	14,965	36,375
Waurika Lake, OK	Waurika Project Master Conservation District	4,644,284	0	0	4,644,284	
	Waurika PMC Dist Eastern (Conveyance Facil)	488,882	0	0	488,882	
	Waurika PMC Dist Southern (ConveyanceFacil)	20,608,454	0	0	20,608,454	
	Waurika PMC Dist Western (Conveyance Facil)	8,910,058	0	0	8,910,058	
	Not Under Contract	0	0	11,790,671	11,790,671	46,442,349
Wister Lake, OK	Heavener Utility Auth. [9]	46,561	0	0	46,561	
Wister Lake, OK	Poteau Valley Improvement Dist.	125,110	0	0	125,110	
	Poteau Valley Improvement Dist.	1,963,800	0	0	1,963,800	
27 projects	27 projects / 131 agreements + 22 supplements	255,190,047	21,417,362	43,312,998	319,920,407	319,920,407
quality storage was redeveloped under the Nased on original conswater quality storage [2] SWT, Denison Dan contract. The practice sunk costs on a use-of [3] SWT, El Dorado. Company [4] SWT, Hugo, NUC. [5] SWT, Kaw Lake, Nased [6] SWT, Sardis Lake. [7] SWT, Tenkiller Lak Co., RWD #13 & #2, Selles, Summit Water I Associates. Costs based sociates.	re, Elk City, John Redmond, Marion, Water allocated and costs in this agreement MOU with the State of Kansas. Storage costs struction or sunk costs of the reallocated in, No cost computations included in the 1969 at that time, however, was to use original or f-facilities cost allocation basis. City traded lands for the project, they pay TMH assumed \$57.32/AF for price UC. TMH assumed \$229.74/AF for price Agreement has been in litigation since e, East Central OK Water Auth, Cherokee Sequoyah County Water Assn, Sequoia Inc., Paradise Hills and Lake Tenkiller sed on revision to the 1969 cost allocation;					
since storage was read [8] SWT, Tenkiller Lak Assigned to WS under	re reduced and assigned to water supply ssigned from the flood control pool. e, Greenleaf Nursery (both contracts). r Sec 931, PL 99-662 (interim use of water Cost based on original cost of storage.					

Tulsa	T WS Storage (S Storage Cost				
		ws	Agreement	Storage Cost ((\$)	
Project	User	Present	Future	Not Under Contract	Total	Project WS Storage Cost (\$)
[9] SWT, Wister, Heavener Utility Auth. This 2007 agreement replaced the original 1963 agreement. Total amount of agreement, total repaid and amount remaing have been adjusted to show the sum of the two agreements.						
[10] Remaining Principal owed (as applicable) includes, for the present use storage, interest on the unpaid balance after the end of the ten-year interest free period. Price level varies.						
the ten-year interest free	e period. Price level varies.					

Tulsa			SWT Remain	ning Principal	Owed [10]		
			Amount Owed (\$)				
		Agreement			(,,		
Project	User	Interest				District	
		Rate (%)	Present	Future	Total	Percent	
Arcadia Lake, OK	Edmond PWA	7.210	0	0	0		
Birch	Not Under Contract	NA	0	885,000	885,000		
Broken Bow Lake, OK			0	0	0		
	Broken Bow PWA (includes conduit)	2.742	75,572	0	75,572		
	Broken Bow PWA Future to Present		0	0	0		
	Not Under Contract	NA	0	388,154	388,154		
Canton Lake, OK	OK City Muni. Imp. Auth	2.500	0	0	0		
Copan Lake, OK	Copan PWA	3.502	0	0	0		
Council Grove, KA	KS Water Res. Board	2.699	736,520	0	736,520		
	State of KS - Reallocation [1]	2.699	0	0	0		
Denison Dam, L.							
Texoma, OK & TX	City of Denison, TX	2.500	0	0	0		
	TX Power & Light	2.500	28,132	0	28,132		
	Red River Auth. of TX [2]	2.500	0	0	0		
	Red River Auth. of TX	10.051	0	0	0		
	N. Texas MWD	10.693	0	0	0		
	Greater Texoma Utility Auth.	10.051	0	0	0		
	Greater Texoma Utility Auth.	10.051	0	0	0		
	Commissioner of the Land	5.125	0	0	0		
	Greater Texoma Utility Auth.	5.125	3,380,510	0	3,380,510		
	Buncombe Creek View Ad	8.125	0	0	0		
El Dorado Lake, KA	City of El Dorado (original) [3]		0	0	0		
	(Space 2)	3.502	2,433,506	0	2,433,506		
	(Space 3)		7,229,540	0	7,229,540		
Elk City, KA	KS Water Res. Board	2.742	1,038,821	0	1,038,821		
	State of KS [1]	2.742	0	0	0		
Eufaula Lake, OK	Haskell County Water Co.		11,748	0	11,748		
	Pittsburg Co. Water Co.		23,606	0	23,606		
	Haskell Co. RWD #1		3,706	0	3,706		
	Haskell Co., RWD #3		0	0	0		
	Pittsburg Co. RWD #4		1,503	0	1,503		
	Muskogee Co. MWD #3		3,020	0	3,020		
	Porum PWA		0	0	0		
	Lakeside Water Co., Inc		0	0	0		
	Sherwood Forrest Co.		0	0	0		
	Krebs Utility Auth.		16,343	0	16,343		
	RWD #8 McIntosh Co.#8		19,538	0	19,538		
	Activate Future		254,072	0	254,072		
	Porum PWA		18,062	0	18,062		
	Activate Future		24,010	0	24,010		
	Pittsburg Co. PWA	2.591	19,893	0	19,893		
	Activate Future		39,341	0	39,341		
	Longtown RWD & SD #1		38,547	0	38,547		
	Public Service Co. of OK		0	10,967	10,967		
	McAlester PWA		325,009	0	325,009		
	Bristow Point Property Owners Assoc.		0	0	0		
	Twin Rivers Estates, Inc.		0	0	0		
	Bridgeport Dunes Condo Assoc.		0	0	0		
	Pittsburg Co. RWD #14		0	0	0		
	Warner Utilities Auth.		0	0	0		

Tulsa			SWT Remai	ning Principal	Owed [10]		
			Amount Owed (\$)				
Project	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent	
(Eufalula continued)	RWD No. 2, Onapa		0	0	0		
	Juniper Water Co.		0	0	0		
	Pittsburg Co. PWA		19,894	0	19,894		
	RWD #3 Muskogee Co.		0	0	0		
	City of Checotah		0	0	0		
	Not Under Contract	NA	0	4,009,866	4,009,866		
Heyburn, OK	Creek Co. RWD #1		0	0	0		
,,	Creek Co. RWD #1	2.500	0	0	0		
	Creek Co. RWD #1		0	0	0		
Hugo Lake, OK	Western Farmers Elect. Coop		214,023	0	214,023		
riugo Lake, Ok	Space #2		1,854,169	0	1,854,169		
	City of Checotah		1,054,109	0	1,054,109		
	City of Hugo (includes \$32,800 for conduit present use)	3.225	0	0	0		
	Pushmataha Co. RWD #3		0	0	0		
	Not Under Contract [4]	NA	0	125,990	125,990		
Hula, OK	City of Bartlesville	2.500	0	0	0		
	City of Bartlesville Mod.	2.500	0	0	0		
	Hula Water District	2.500	0	0	0		
	City of Bartlesville	2.500	0	0	0		
John Redmond, KA	KS Water Res. Board	2.670	0	0	0		
	State of KS [1]	2.670	0	0	0		
Kaw Lake, OK	OK Gas & Electric	2.0.0	0	0	0		
raw Lake, Ort	Supplement Space #2		0	0	0		
	Kaw Reservoir Auth. (Conveyance		0	0	0		
	Facilities)	3.222	Ŭ		J		
	Stillwater Utility Authority	5.222	0	0	0		
	Kaw Nation		0	0	0		
	Otoe-Missouria	-	0	0	0		
		NA	0	-			
Kayatana Laka OK	100	NA	-	18,373,933	18,373,933		
Keystone Lake, OK	Public Service Co. of OK	2.591	264,478		264,478		
	Supp Space #2		308,745	222 522	308,745		
	Not Under Contract	NA	0	203,500	203,500		
Marion, KA	KS Water Res. Board	3.046	855,574	0	855,574		
	Kansas Water Office [1]	3.046	0	0	0		
Oologah Lake, OK	City of Tulsa (conduit)	2.544	62,141	0	62,141		
	City of Tulsa	2.544	225,859	0	225,859		
	Supplement Space #2	3.225	136,111	0	136,111		
	Supplement Space #3	3.225	931,790	0	931,790		
	Supplement Space #4	3.225	4,113,447	0	4,113,447		
	City of Collinsville	2.544	2,648	0	2,648		
	Supplement Space #2	3.225	142,000	0	142,000		
	Public Service Co. of OK	2.544	21,484	0	21,484		
	Supplement Space #2	3.225	351,599	0	351,599		
	Rogers Co., RWD #4	2.544	1,584	0	1,584		
	Supplement Space #2	3.225	39,760	0	39,760		
	Rogers Co., RWD #3	2.544	3,931	0	3,931		
	Supplement Space #2	3.225	131,276	0	131,276		
	Supp, L. went to ultimate dev.	3.225	124,932	0	124,932		
	Washington Co., RWD #3	3.225	43,168	0	43,168		
	Town of Chelsea	3.225	0	0	0		
	Town of Chelsea from Nowata	2.500	421	0	421		

Claremorn PSO Pat Mayse Lake, TX Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Conduit Pine Creek Lake, OK Sardis Lake, OK OK Water under pre Skiatook Lake, OK Sand Spr Sand Spr Sand Spr Sanulpa I Sapulpa I Skiatook Sands Sp Skiatook Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea C. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller A Gore Pub Pettit Bay		SWT Remaining Principal Owed [10]							
(Oologah continued) Claremoric Claremoric Claremoric PSO Pat Mayse Lake, TX City of Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Conduit Pine Creek Lake, OK Sardis Lake, OK OK Water under present the sand Spread			Amount Owed (\$)						
Claremoric Claremoric Claremoric Claremoric PSO Pat Mayse Lake, TX City of Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Pine Creek Lake, OK Sardis Lake, OK OK Water under prescribed Sand Spread Sp	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent			
Claremoric Claremoric Claremoric Claremoric PSO Pat Mayse Lake, TX City of Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Pine Creek Lake, OK Sardis Lake, OK OK Water under prescribed Sand Spread Sp	Supplemental Space #2	3.225	614	0	614				
Claremor PSO Pat Mayse Lake, TX City of Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Pine Creek Lake, OK Sardis Lake, OK OK Water under prescriptions of the same state of the s	ore Public Works Auth	3.225	11,424	0	11,424				
PSO Pat Mayse Lake, TX Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Pine Creek Lake, OK Sardis Lake, OK OK Water under pre Skiatook Lake, OK Skiatook Lake, OK Sand Spr Sand Spr Sand Spr Sapulpa I Skiatook Sands Sp Sands Sp Sand Sp	pre Public Works	3.225	84,399	0	84,399				
Pat Mayse Lake, TX Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Pine Creek Lake, OK Sardis Lake, OK Skiatook Lake, OK Skiatook Lake, OK Osage Corrections RWD #15 Sand Spr Sand Spr Sapulpa I Sapulpa I Skiatook Sands Spr Skiatook Sands Spr Skiatook Not Under Cherokee Sequoyal Summit V Paradise Lake Ten Greenlea Creenlea C. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller a Gore Pub Pettit Bay		3.225	168,695	0	168,695				
Pat Mayse (continued) Pearson - Skubitz Big Hill Lake, KS Conduit Pine Creek Lake, OK Weyerhad Sardis Lake, OK Skiatook Lake, OK Osage Corection Facilities) RWD #15 Sand Spr Sapulpa I Sapulpa I Sapulpa I Skiatook Not Under Tenkiller Ferry Lake, OK Cherokee Sequoyah	'aris		190,439	0	190,439				
Pearson - Skubitz Big Hill Lake, KS Conduit Pine Creek Lake, OK Weyerhad Sardis Lake, OK OK Water under pre Skiatook Lake, OK Osage Co Facilities) RWD #15 Sand Spr Sand Spr Sapulpa I Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Sequoyah	Supplement #1	3.137	0	0	0				
Pine Creek Lake, OK Sardis Lake, OK OK Water under present the u		4.012	0	0	0				
Sardis Lake, OK Skiatook Lake, OK Skiatook Lake, OK Sand Spr Sand Spr Sand Spr Sapulpa I Skiatook Sands Sp Skiatook Sands Sp Skiatook Mot Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequ	t Not Under Contract		0	21,244	21,244				
under pre Skiatook Lake, OK Osage Corectifies) RWD #15 Sand Spr Sand Spr Sapulpa I Skiatook Sands Spr Skiatook Sands Spr Skiatook Not Under Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Lake Ten Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller A Gore Pub Pettit Bay	aeuser	2.936	674,623	0	674,623				
Skiatook Lake, OK Sage Corrections RWD #15 Sand Spr Sand Spr Sapulpa I Sapulpa I Skiatook Sands Spr Skiatook Sands Spr Skiatook Not Under Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal	Supplement #1	2.936	0	0	0				
Facilities) RWD #15 Sand Spr Sand Spr Sapulpa I Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller a Gore Pub Pettit Bay	er Res. Board (includes conduit resent use) [6]	4.012	15,667,460	19,760,089	35,427,549				
Sand Spr Sand Spr Sapulpa I Sapulpa I Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller a Gore Pub Pettit Bay	Co., RWD #15 (Conveyance		572,036	0	572,036				
Sand Spr Sapulpa I Sapulpa I Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller I Gore Pub Pettit Bay	5, Osage Co		0	563,867	563,867				
Sapulpa I Sapulpa I Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	orings Municipal Auth.		1,477,400	0	1,477,400				
Sapulpa I Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller I Gore Pub	orings Municipal Auth.	4.012	474,489	0	474,489				
Skiatook Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	Municipal Auth.	4.012	1,493,004	0	1,493,004				
Sands Sp Skiatook Not Unde Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	Municipal Auth.		1,163,505	0	1,163,505				
Skiatook Not Under Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	PWA		447,618	0	447,618				
Not Under Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	prings		2,975,948	0	2,975,948				
Tenkiller Ferry Lake, OK Cherokee Cherokee Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	PWA		327,354	0	327,354				
OK Cherokee Cherokee Sequoyal Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	der Contract	NA	0	4,021,250	4,021,250				
Cherokee Sequoyal Sequoyal Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	ntral OK Water Auth.	2.500	3,860	0	3,860				
Sequoyat Sequoyat Sequoyat Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	ee Co., RWD #13 [7]	2.500	625	0	625				
Sequoyal Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	ee Co., RWD #2 [7]	2.500	602	0	602				
Summit V Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Greenlea L. Reg. E L. Reg. E C. Reg. E D.	ah Co. Water Assoc. [7]	6.750	0	0	0				
Paradise Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	ah Fules Corp. [7]	2.500	99,697	0	99,697				
Lake Ten Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub	Water Inc. [7]	2.500	0	0	0				
Greenlea Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Greenlea L. Reg. E Greenlea L. Reg. E Gore Pub Pettit Bay	e Hills, Inc. [7]	2.500	0	0	0				
Greenlea L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	nkiller Associates [7]	6.595	0	0	0				
L. Reg. E L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	af Nursery Co. [8]	3.256	9,737	0	9,737				
L. Reg. E L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	af Nursery Co. [8]	3.256	1,108	0	1,108				
L. Reg. E L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	Elec. Dev. Coop. Inc.	8.250	0	0	0				
L. Reg. E Mongold Tenkiller Gore Pub Pettit Bay	Elec. Dev. Coop. Inc.	6.125	0	0	0				
Mongold Tenkiller Gore Pub Pettit Bay	Elec. Dev. Coop. Inc.	6.125	0	0	0				
Tenkiller a Gore Pub Pettit Bay	Elec. Dev. Coop. Inc.	6.125	0	0	0				
Gore Pub Pettit Bay	d Water System	8.250	0	0	0				
Pettit Bay	r Aqua Park	8.250	1,256	0	1,256				
	iblic Works Auth.	8.250	0	0	0				
Fin and F	y Water Association	9.125	0	0	0				
	Feather Resort	8.125	0	0	0				
	ter Water System	8.125	0	0	0				
	lills Estates Company	7.500	0	0	0				
Bill Richa		8.125	0	0	0				
Charles V		7.625	0	0	0				
J.R. Most		7.500	0	0	0				
	abin RWD Inc. leights Water System	6.125 7.750	0	0	0				

Tulsa			SWT Remai	ning Principal	Owed [10]			
	User		Amount Owed (\$)					
Project		Agreement Interest Rate (%)	Present	Future	Total	District Percent		
				_	_			
(Tenkiller continued)	Tenkiller Development Co.	6.125	0	0	0			
	RWD #13 Cherokee Co.	5.500	0	0	0			
	Stick Ross Mountain Water Co.	5.125	0	0	0			
	Tahlequah PWA	5.125	0	0	0			
	Billy Joe Stewart	8.125	0	0	0			
Tananta Laka I/O	RWD #2, Cherokee Co	4.875	0	0	0			
Toronto Lake, KS	City of Toronto	2.584	0	0	0			
Mourika Laka OK	Activate Future	9.352	0	0	0			
Waurika Lake, OK	Waurika Project Master Conservation District	3.463		-	_			
	Waurika PMC Dist Eastern (Conveyance Facil)	3.463	0	0	0			
	Waurika PMC Dist Southern (ConveyanceFacil)	3.463	0	0	0			
	Waurika PMC Dist Western (Conveyance Facil)	3.463	0	0	0			
	Not Under Contract	NA	0	11,790,671	11,790,671			
Wister Lake, OK	Heavener Utility Auth. [9]	2.500	11,668	0	11,668			
motor zano, ort	Poteau Valley Improvement Dist.	2.500	40,915	0	40,915			
	Poteau Valley Improvement Dist.	9.920	634,192	0	634,192			
27 projects	27 projects / 131 agreements + 22 supplements		52,102,701	60,154,531	112,257,232	35%		
quality storage was rea developed under the N based on original cons water quality storage	re, Elk City, John Redmond, Marion, Water allocated and costs in this agreement MOU with the State of Kansas. Storage costs struction or sunk costs of the reallocated n, No cost computations included in the 1969							
-	at that time, however, was to use original or f-facilities cost allocation basis.							
[3] SWT, El Dorado. C	City traded lands for the project, they pay							
[4] SWT, Hugo, NUC.	TMH assumed \$57.32/AF for price							
	UC. TMH assumed \$229.74/AF for price							
	Agreement has been in litigation since							
[7] SWT, Tenkiller Lake Co., RWD #13 & #2, S Fules, Summit Water I	e, East Central OK Water Auth, Cherokee lequoyah County Water Assn, Sequoia nc., Paradise Hills and Lake Tenkiller							
flood control costs wer	sed on revision to the 1969 cost allocation; re reduced and assigned to water supply ssigned from the flood control pool.							
Assigned to WS under	e, Greenleaf Nursery (both contracts). Sec 931, PL 99-662 (interim use of water Cost based on original cost of storage.							

Tulsa		SWT Remaining Principal Owed [10]						
Project				Amount 0	Owed (\$)			
	User	Agreement Interest Rate (%)	Present	Future	Total	District Percent		
[9] SWT, Wister, Heavener Utility Auth. This 2007 agreement replaced the original 1963 agreement. Total amount of agreement, total repaid and amount remaing have been adjusted to show the sum of the two agreements.								
present use storage, inte	l owed (as applicable) includes, for the erest on the unpaid balance after the end of period. Price level varies.							
the ten-year interest free	period. Price level varies.							

Tulsa				
Project	User		intentionally left blank)	
Arcadia Lake, OK	Edmond PWA			
Birch	Not Under Contract			
Broken Bow Lake, OK	OK Tourism & Recreation			
	Broken Bow PWA (includes conduit)			
	Broken Bow PWA Future to Present			
0 / 1 / 0//	Not Under Contract			
Canton Lake, OK	OK City Muni. Imp. Auth			
Copan Lake, OK	Copan PWA KS Water Res. Board			
Council Grove, KA	State of KS - Reallocation [1]			
Denison Dam, L.	State of KS - Reallocation [1]			
Texoma, OK & TX	City of Denison, TX			
Texonia, OR & TX	TX Power & Light			
	Red River Auth. of TX [2]			
	Red River Auth. of TX			
	N. Texas MWD			
	Greater Texoma Utility Auth.			
	Greater Texoma Utility Auth.			
	Commissioner of the Land			
	Greater Texoma Utility Auth.			
	Buncombe Creek View Ad			
El Dorado Lake, KA	City of El Dorado (original) [3]			
	(Space 2)			
	(Space 3)			
Elk City, KA	KS Water Res. Board			
•	State of KS [1]			
Eufaula Lake, OK	Haskell County Water Co.			
	Pittsburg Co. Water Co.			
	Haskell Co. RWD #1			
	Haskell Co., RWD #3			
	Pittsburg Co. RWD #4			
	Muskogee Co. MWD #3			
	Porum PWA			
	Lakeside Water Co., Inc			
	Sherwood Forrest Co.			
	Krebs Utility Auth.			
	RWD #8 McIntosh Co.#8			
	Activate Future			
	Porum PWA			
	Activate Future			
	Pittsburg Co. PWA Activate Future			
	Longtown RWD & SD #1			
	Public Service Co. of OK			
	McAlester PWA			
	Bristow Point Property Owners Assoc.			
	* *			
	Twin Rivers Estates, Inc.			
	Bridgeport Dunes Condo Assoc.			
	Pittsburg Co. RWD #14 Warner Utilities Auth.			
<u> </u>	warner ounces Auth.			

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Tulsa		
Project	User	
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(Eufalula continued)	RWD No. 2, Onapa	
	Juniper Water Co.	
	Pittsburg Co. PWA	
	RWD #3 Muskogee Co.	
	City of Checotah	
	Not Under Contract	
Heyburn, OK	Creek Co. RWD #1	
,	Creek Co. RWD #1	
	Creek Co. RWD #1	
Hugo Lake, OK	Western Farmers Elect. Coop	
	Space #2	
	City of Checotah	
	City of Hugo (includes \$32,800 for conduit	
	present use)	
	Pushmataha Co. RWD #3	
	Not Under Contract [4]	
Hula, OK	City of Bartlesville	
	City of Bartlesville Mod.	
	Hula Water District	
	City of Bartlesville	
John Redmond, KA	KS Water Res. Board	
	State of KS [1]	
Kaw Lake, OK	OK Gas & Electric	
,	Supplement Space #2	
	Kaw Reservoir Auth. (Conveyance	
	Facilities)	
	Stillwater Utility Authority	
	Kaw Nation	
	Otoe-Missouria	
	Not Under Contract [5]	
Keystone Lake, OK	Public Service Co. of OK	
	Supp Space #2	
	Not Under Contract	
Marion, KA	KS Water Res. Board	
·	Kansas Water Office [1]	
Oologah Lake, OK	City of Tulsa (conduit)	
-	City of Tulsa	
	Supplement Space #2	
	Supplement Space #3	
	Supplement Space #4	
	City of Collinsville	
	Supplement Space #2	
	Public Service Co. of OK	
	Supplement Space #2	
	Rogers Co., RWD #4	
	Supplement Space #2	
	Rogers Co., RWD #3	
	Supplement Space #2	
	Supp, L. went to ultimate dev.	
	Washington Co., RWD #3	
	Town of Chelsea	
	Town of Chelsea from Nowata	

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Project	User		(This page	intentionally left blank)		
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(Oologah continued)	Supplemental Space #2					
	Claremore Public Works Auth					
	Claremore Public Works					
	PSO					
Pat Mayse Lake, TX	City of Paris					
Pat Mayse (continued)	Supplement #1					
Pearson - Skubitz Big	State of KS					
Hill Lake, KS						
	Conduit Not Under Contract					
Pine Creek Lake, OK	Weyerhaeuser					
0 11 1 014	Supplement #1					
Sardis Lake, OK	OK Water Res. Board (includes conduit					
	under present use) [6]					
Objete els Lels CV	O O DIMD #45 /O					
Skiatook Lake, OK	Osage Co., RWD #15 (Conveyance					
	Facilities)					
	RWD #15, Osage Co					
	Sand Springs Municipal Auth.					
	Sand Springs Municipal Auth.					
	Sapulpa Municipal Auth. Sapulpa Municipal Auth.					
	Skiatook PWA					
	Sands Springs Skiatook PWA					
	Not Under Contract					
Tenkiller Ferry Lake,	East Central OK Water Auth.					
OK	Last Gentral GR Water Auth.					
• • • • • • • • • • • • • • • • • • • •	Cherokee Co., RWD #13 [7]					
	Cherokee Co., RWD #2 [7]					
	Sequoyah Co. Water Assoc. [7]					
	Sequoyah Fules Corp. [7]					
	Summit Water Inc. [7]					
	Paradise Hills, Inc. [7]					
	Lake Tenkiller Associates [7]					
	Greenleaf Nursery Co. [8]					
	Greenleaf Nursery Co. [8]					
	L. Reg. Elec. Dev. Coop. Inc.					
	L. Reg. Elec. Dev. Coop. Inc.					
	L. Reg. Elec. Dev. Coop. Inc.					
	L. Reg. Elec. Dev. Coop. Inc.					
	Mongold Water System					
	Tenkiller Aqua Park					
	Gore Public Works Auth.					
	Pettit Bay Water Association					
	Fin and Feather Resort					
	Sixshooter Water System					
	Indian Hills Estates Company					
	Bill Richardson					
	Charles Willige					
	J.R. Mosteller					
	Burnt Cabin RWD Inc.					
	Sunny Heights Water System					

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Project	User	
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(Tenkiller continued)	Tenkiller Development Co.	
(1011111101 001111111000)	RWD #13 Cherokee Co.	
	Stick Ross Mountain Water Co.	
	Tahlequah PWA	
	Billy Joe Stewart	
	RWD #2, Cherokee Co	
Toronto Lake, KS	City of Toronto	
	Activate Future	
Waurika Lake, OK	Waurika Project Master Conservation	
	District	
	Waurika PMC Dist Eastern (Conveyance	
	Facil)	
	Waurika PMC Dist Southern	
	(ConveyanceFacil)	
	Waurika PMC Dist Western (Conveyance	
	Facil)	
	Not Under Contract	
Wister Lake, OK	Heavener Utility Auth. [9]	
···oto: Laito, o.t	Poteau Valley Improvement Dist.	
	Poteau Valley Improvement Dist.	
27 projects	27 projects / 131 agreements + 22	
	supplements	
ME ONE Occupation	FIL O'the John Dadaead Marine Males	
	ve, Elk City, John Redmond, Marion, Water	
	eallocated and costs in this agreement MOU with the State of Kansas. Storage costs	
	estruction or sunk costs of the reallocated	
water quality storage	ion donor or ourne occident the reallectated	
mater quality etc.age		
[2] SWT, Denison Da	m, No cost computations included in the 1969	
contract. The practice	e at that time, however, was to use original or	
sunk costs on a use-o	of-facilities cost allocation basis.	
[3] SWT, El Dorado.	City traded lands for the project, they pay	
[4] SWT, Hugo, NUC.	. TMH assumed \$57.32/AF for price	
[5] SWT, Kaw Lake, N	NUC. TMH assumed \$229.74/AF for price	
	. Agreement has been in litigation since	
[7] SWT, Tenkiller Lal	ke, East Central OK Water Auth, Cherokee	
	Sequoyah County Water Assn, Sequoia	
Fules, Summit Water	Inc., Paradise Hills and Lake Tenkiller	
	ased on revision to the 1969 cost allocation;	
	ere reduced and assigned to water supply	
since storage was rea	assigned from the flood control pool.	
[O] CMT Taskillas Lak	Les Croonlest Nursons (heathers after the	
• •	ke, Greenleaf Nursery (both contracts). er Sec 931, PL 99-662 (interim use of water	
•	Cost based on original cost of storage.	
supply for imgation).	Cost based on onginal cost of Stolage.	

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Project	User	(This page	intentionally left blank)
[9] SWT, Wister, Heaver replaced the original 196 total repaid and amount sum of the two agreeme			
[10] Remaining Principal present use storage, into the ten-year interest free			

Appendix B: Storage Space, Costs and Remaining Principal by Agreement

		South	western Di	vison Summa	ry		
Storage Space							
			nber of				
		Agre	ements	W	/S Storage Sp	pace (acre-fee	t)
District	Number of Projects	Basic	Supple- mental	Present	Future	Not Under Contract	Total
Little Rock	11	26	8	347,585	9,910	17,275	374,770
Ft Worth	23	40	16	5,804,205	14,631	60,000	5,878,836
Tulsa	27	131	22	1,527,726	176,480	400,550	2,104,756
Division total	61	197	46	7,679,516	201,021	477,825	8,358,362
Storage Cost							
otorago ocot		Nur	nber of				
			ements		WS Storag	ge Cost (\$)	
District	Number of Projects	Basic	Supple- mental	Present	Future	Not Under Contract	Total
Little Rock	11	26	8	42,547,923	4,462,747	11,900,000	58,910,670
Ft Worth	23	40	16	507,428,795	3,572,818	2,573,695	513,575,308
Tulsa	27	131	22	255,190,047	21,417,362	43,335,998	319,943,407
Division total	61	197	46	805,166,765	29,452,927	57,809,693	892,429,385
Remaining Principal							
<u> </u>		Nun	nber of		'		
		Agre	ements	Rer	naining Princ	ipal Owed (\$)	[1]
District	Number of Projects	Basic	Supple- mental	Present	Future	Total	District / MSC
Little Rock	11	26	8	7,748,953	16,362,747	23,844,700	40
Ft Worth	23	40	16	200,647,651	5,283,328	205,930,979	40
Tulsa	27	131	22	52,102,701	60,154,531	112,257,232	35
Division total	61	197	46	260,232,305	81,800,606	342,032,911	38
[1] Remaining Principal							

the end of the ten-year interest free period. Price level varies.

Appendix B: Storage Space, Costs and Remaining Principal by Agreement

Ctorone Cuose	
Storage Space	
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District	
Little Rock	
Ft Worth	
Tulsa	
Division total	
Division total	
Storage Cost	
District	
Little Rock	
Ft Worth	
Tulsa	
Division total	
Remaining Principal	
Remaining Principal	
District	
Little Rock	
Ft Worth	
Tulsa	
Division total	
Division total	

MSC	District	Project	User	Date of Agreement	Total Storage Space (acre-feet)	Method used to determine cost of storage	Reallocation Source	Total Agreement Cost (\$)
NAD	NAB	Cowanesque Lake, PA	Susquehanna RBC	1986	25,600	Updated cost	Flood Pool	39,414,000
		Curwensville Lake, PA	Susquehanna RBC	1994	5,360	Updated cost	Conservation	11,339,000
	total	2 projects	2 agreements	(86 - 94)	30,960			50,753,000
TOTAL		2 projects	2 agreements	, ,	30,960			50,753,000
SAD	SAW	John H. Kerr, VA	Mecklenburg Cogeneration	1991	600		Hydro	150,421
		,	VA Dep of Corr.	1989	23		Hydro	5,075
			City of Henderson	2006	10,292	Updated cost	Hydro	2,375,336
			Virginian Beach	1984	10,200	Updated cost	Hydro	2,275,685
	total	1 project	4 agreements	(84 - 06)	21,115			4,806,517
	SAS	Hartwell, GA & SC	Anderson Co. Joint Municipal Water System (mod)	2002	24,620		Hydro	3,477,000
			City of Lavonia	1990	127	Updated cost	Hydro	21,447
		10. 7. 10100	Hart County	1998	1,827	Updated cost	Hydro	356,867
		J Strom Thurmond, GA & SC	City of Washington	1975 1990	632 83		Hydro	72,800 24,608
			City of Lincolnton City of Thompson	1990	1,056		Hydro Hydro	334,714
			Town of McCormick	2001	316		Hydro	66,499
			TOWN OF MICCONNICK	2001	310	(Section 322 of WRDA 86)	riyaro	00,498
			Savannah Valley Auth.	1989	92	Updated cost	Hydro	27,395
			Columbia County	1989	1,056	Updated cost	Hydro	313,048
			City of Lincolnton	1964	92		Hydro	15,000
		Richard B Russell, GA & SC	SC Public Service Auth.	2001	491		Hydro	1,615,243
			City of Elberton	1990	381	Updated cost	Hydro	419,658
	total	3 projects	12 agreements	(64-02)	30,773			6,744,279
	SAM	Allatoona, GA	Cobb Co Marietta Water Auth.	1963	13,140	Original cost	Hydro	1,197,952
			City of Cartersville	1966	1,996	Original cost	Hydro	396,217
			City of Cartersville	1991	4,375	Updated cost	Hydro	1,518,094
		Carters, GA	City of Chatsworth	1991	818		Hydro	617,449
	total	2 projects	4 agreements	(63 - 91)	20,329			3,729,712
TOTAL		6 projects	20 agreements	(64-06)	72,217			15,280,508
LRD	LRH	Grayson Lake, KY	Rattlesnake Ridge	2000	2,508		Not Available	76,732
		John W. Flannagan Dam & Reservoir, VA	John Flannagan Water Auth	2004	3,360		Water Quality	162,983
		Summersville Lake, WV	City of Summerville	2001	468		Flood Pool	60,828
	LRL	3 projects Carr Creek Lake, KY	3 agreements Carr Creek Water Comm.	(00-04) 2006	6,336		Nat Assailable	300,543
	LKL	Carr Creek Lake, KY Cave Run Lake, KY	Carr Creek Water Comm.	2006		Revenues Foregone Replacement Cost	Not Available Not Available	305,563 72,896
		Cave Rull Lake, RT	City of West Liberty	1996		Replacement Cost	Not Available	30,360
		Green River Lake, KY	City of Campbellsville	1968		Revenues Foregone	Not Available	80,483
		Rough River Lake, KY	Hardinsburg	1978		Replacement Cost	Conservation	17,781
		reagn rever bare, ret	Grayson County WD	2002	252		Conservation	34,934
	total	4 projects	6 agreements	(68-06)	6,716			542,017
	LRN	Center Hill Lake, TN	Cookeville	2003	6,680		Hydro	2,816,877
		·	Smithville	2003	401	Updated cost	Hydro	54,536
			Riverwatch Golf	2003	131	Benefits Foregone	Hydro	96,775
		Dale Hollow Lake, TN & KY	City of Byrdstown	2005	1,841	Benefits Foregone	Hydro	372,716
			Commonwealth of Kentucky	2005	368	Updated cost	Hydro	176,532
			Trooper Island	2004	2	Updated cost	Hydro	916
		J. Percy Priest Dam & Reservoir, TN		2003	2,733		Hydro	1,818,550
			Murfreesboro	2003	5,084		Hydro	3,051,429
			Consolidated Utility	2003	3,007		Hydro	1,804,609
			Consolidated Utility	2003	1,367		Hydro	820,277
			YMCA of Middle TN	2003 2004	22		Hydro	16,638
			Cedar Crest Golf Ventures, LLD. Town of Smyrna	2004	96 5,002		Hydro Hydro	75,951 2,350,000
		Laurel River Lake, KY	Laurel Co. Water Dist.	2008	5,002		Hydro	2,350,000
	total	4 projects	14 agreements	(03-08)	27,253		riyuro	13,622,653
	LRP	Mosquito Creek Lake, OH	City of Warren	1999	11,000		Not Available	224,500
	total	1 project	1 agreement	(99)	11,000		, wallable	224,500
TOTAL		12 projects	24 agreements	(68 - 06)	51,305			14,689,713
MVD	MVK	Blakey Mt, Dam, Lake Ouachita	N. Garland County Reg. WD (1996)	1996	1,575		Flood Pool	110,751
	1	Enid, MS	LSP Energy Limited	1998	4,500		Conservation	1,111,898
	total	2 projects	2 agreements	(96 - 98)	6,075			1,222,649
TOTAL		2 projects	2 agreements	(96 - 98)	6,075			1,222,649
NWD	NWK	Harry S Truman Dam & Res., MO	Henry Co. PWSD #3	1994	172		Hydro	50,120
			HST PWSD #2	1997	111		Hydro	35,506
		Kanopolis, KS	Kansas Water Office	2002	12,500		Conservation	4,181,200
		Melvern Lake, KS	State of Kansas	1994	50,000		Water Quality	7,094,009
		Ponoma	State of Kansas	1995	14,324		Water Quality	1,555,242
			State of Kansas	1995	18,176		Water Quality	2,009,480
		Rathbun Lake, IA	Rathbun Regional Water Ass., Inc. (RRWA)	1986	3,340		Conservation	331,019
			RRWA	1989	3,340		Conservation	498,916
		Stockton, MO	City of Springfield	1993	50,000		Multipurpose	9,256,704
		Tuttle Creek Lake, KS	Kansas Water Office	1991	27,500		Water Quality	1,876,748
	total	7 projects	10 agreements	(86 - 02)	179,463			26,888,944
TOTAL		7 projects	10 agreements		179,463	1		26,888,944

MSC	District	Project	User	Date of Agreement	Total Storage Space (acre-feet)	Method used to determine cost of storage	Reallocation Source	Total Agreement Cost (\$)
SWD	SWL	Beaver Lake, AR	Beaver Water District	2006	28,757	Special Auth at No C	Conservation	(
			Carroll-Boone Water District	1977	9,000		Flood Pool	742,000
			Carroll-Boone Water District	2006		Special Auth at No C	Conservation	400.004
			Madison Co., Water District Benton/Washington Co. WD	1992 1996	3,882 8,113		Flood Pool Flood Pool	482,991 1,097,137
		Blue Mountain Lake, AR	City of Danville	2005	1,550		Flood Pool	226,021
		Bull Shoals Lake, AR	Marion Co. Water District	1988	880		Conservation	84,979
		Greers Ferry Lake, AR	Tannebaum Golf Course	1998	90	Updated cost	Flood Pool	11,072
			Clinton Water District	1970	900		Flood Pool	81,000
			Community Water System	1971	225		Flood Pool	20,260
			Community WS Phase 1	1995	3,776		Flood Pool	457,804
			Community WS Phase 2 Thunderbird Golf Course	1998 1998	4,283 55		Flood Pool Flood Pool	561,174 6,514
			Red Apple Inn & Country Club	1996	66		Flood Pool	8,427
			City of Clinton	2005	2,175		Flood Pool	277,423
		Nimrod Lake, AR	City of Plainview	1973	33		Conservation	1,218
			City of Plainview	1995	110	Updated cost	Conservation	21,967
		Norfork Lake, AR	City of Mountain Home	1969	800		Conservation	65,467
			Supplement		1,600	Original cost	Conservation	130,933
	total	6 projects	19 agreements	(70 - 06)	68,691			4,276,387
	SWF	Waco, TX	Brazos River Auth.	1984	91,074		Not Available	5,793,449
	total SWT	1 projects Council Grove Lake, KA	1 agreements State of KS - Reallocation	(84) 1996	91,074 8,000		Water Quality	5,793,449 723,218
	3001	Denison Dam, L. Texoma, OK & TX	City of Denison, TX	1953	21,300		Hydro	292,861
			TX Power & Light	1961	16,400	Original cost	Hydro	286,353
			Red River Auth. of TX	1969	450	Ū	Hydro	9,100
			Red River Auth. of TX	1983	2,054		Hydro	359,455
			N. Texas MWD	1985	84,099	Updated cost	Hydro	16,984,605
			Greater Texoma Utility Auth.	1992	5,500		Hydro	1,266,081
			Greater Texoma Utility Auth.	1979	5,500		Hydro	1,407,751
			Commissioner of the Land	2005	275		Hydro	87,696
			Greater Texoma Utility Auth.	2005	11,600		Hydro	3,727,060
	-	Elli City KA	Buncombe Creek View Ad State of KS	1992 1976	10,000		Hydro Water Quality	248
		Elk City, KA John Redmond, KA	State of KS	1976	10,000		Water Quality Water Quality	1,150,580 832,485
		Marion, KA	Kansas Water Office	1996	12,500		Water Quality Water Quality	2,187,785
		Tenkiller Ferry Lake, OK	East Central OK Water Auth.	1964	300		Flood Pool	17,700
			Cherokee Co., RWD #13	2007	100		Flood Pool	2,020
			Cherokee Co., RWD #2	1967	100	see footnote [2]	Flood Pool	2,020
			Sequoyan Co. Water Association	1998	2,200		Flood Pool	44,400
			Sequoyah Fules Corp.	1970	14,000		Flood Pool	282,500
			Summit Water Inc.	1971	140		Flood Pool	4,330
			Paradise Hills, Inc.	1974	220		Flood Pool	6,039
			Lake Tenkiller Associates L. Reg. Elec. Dev. Coop. Inc.	1980 1989	200 38		Flood Pool Flood Pool	8,722 4,157
			L. Reg. Elec. Dev. Coop. Inc.	1994	15		Flood Pool	2,166
			L. Reg. Elec. Dev. Coop. Inc.	1991	34		Flood Pool	4,261
			L. Reg. Elec. Dev. Coop. Inc.	1994	30		Flood Pool	4,350
			Mongold Water System	1990	5	Updated cost	Flood Pool	1,167
_			Tenkiller Aqua Park	1990	17		Flood Pool	2,043
			Gore Public Works Auth.	1990	480		Flood Pool	51,831
			Pettit Bay Water Association	1991	5		Flood Pool	618
			Fin and Feather Resort	1992	12		Flood Pool	1,630
			Sixshooter Water System Indian Hills Estates Company	1992 1993	3		Flood Pool Flood Pool	256 402
			Bill Richardson	1993	1		Flood Pool	132
			Charles Willige	1996	2		Flood Pool	286
			J.R. Mosteller	1993	2		Flood Pool	268
			Burnt Cabin RWD Inc.	1994	12		Flood Pool	1,311
			Sunny Heights Water System	1995	10	Updated cost	Flood Pool	1,372
			Tenkiller Development Co.	1995	3		Flood Pool	417
			RWD #13 Cherokee Co.	2004	132		Flood Pool	20,532
			Stick Ross Mountain Water Co.	2005	584		Flood Pool	98,205
			Tahlequah PWA Billy Joe Stewart	2005 1992	4,300		Flood Pool Flood Pool	723,274 775
			RWD #2, Cherokee Co	2007	99		Flood Pool	19,123
		Wister, OK	Poteau Valley Improvement Dist	1967	4,800		Flood Pool	125,110
			Poteau Valley Improvement Dist	1987	7,254		Flood Pool	1,963,800
	total	6 projects	46 agreements	(53 - 07)	222,785			32,710,495
TOTAL		14 projects	66 agreements	(53 - 07)	382,550			42,780,331
				/F0				
NAT. Footnotes	[1]	water quality storage.	124 agreements a MOU with the State of Kansas. truction or sunk costs of the reallocated 1969 cost allocation; flood control costs	(53 - 07)	722,570			151,615,145
		were reduced and assigned to water from the flood control pool.						

MSC	District	Project	User	Date of Agreement	(acie-ieet)	determine cost of storage	Reallocation Source	Total Agreement Cost (\$)
	NAD	2			30,960 72,217 51,305 6,075 179,463			50,753,000 15,280,508
	SAD LRD	6 12	20 24		72,217 51 305			15,280,508 14,689,713
	MVD	2	2		6.075			1,222,649
	NWD	7	10		179,463			26,888,944
	SWD	14	66		382,550			42,780,331
Total		43	124	(53-07)	722,570			151,615,145
•								
					1			
					1			
-								
					1			
-								
	1							1

мѕс	District	Project	User	Date of Agreement	Total Storage Space (acre-feet)	Method used to determine cost of storage	Reallocation Source	Total Agreement Cost (\$)
			(This page	intentionally le	eft blank)			
					,			

MSC	District	Il Based on Total WS Storage Project Name	Total Storage	Yield (MGD)	# Personal	# Personal
IVISC	District	Project Name	(AF)	rieid (MGD)	needs met	Household needs
NAD	NAE	Colebrook	50,200	116.30		
		East Brimfield	1,140	22.60		
		Littleville	9,400	17.50		
	total		60,740	156.40	130,333	2,317,037
	NAP	Beltzville	27,880	42.00		
		Blue Marsh	8,000	15.40		
	total		35,880	57.40	47,833	850,370
	NAB	Cowanesque Lake, PA	25,600	70.00		
		Curwensville Lake, PA	5,360	50.00		
		Jennings Randolph Lake, MD & WV	40,995	120.00		
	total		71,955	240.00	200,000	3,555,555
TOTAL			168,575	453.80	· · · · · · · · · · · · · · · · · · ·	
TOTAL	•		100,573	455.00	378,166	6,722,962
CAD	CAM	P. Evertt Cordon	4F 900	100.00		
SAD	SAW	B. Evertt Gordan Falls Lake	45,800	100.00 66.70		
		John H. Kerr	45,000			
		W. Kerr Scott	21,115 33,000	8.33 44.98		
	tetal				402.242	2 250 407
	sas total	Hartwell	144,915 26,574	220.01 37.80	183,342	3,259,407
	SAS	J Strom Thurmond, GA & SC	3,833	12.15		
			872	15.86		
	total	Richard B Russell, GA & SC	31,279	65.81	54,842	974,963
	SAM	Allatoona	19,511	51.25	54,642	974,903
	SAIVI	Carters	818	2.00		
		Okatibee	13,100	25.00		
	total	Okalibee	33,429	78.25	65,208	1,159,259
TOTAL			209,623	364.07	303,392	5,393,629
LRD	LRH	Alum Creek Lake, OH	79,200	106.67		
		Grayson Lake, KY		Not Avail.		
		John W. Flannagan Dam & Reservoir, VA	3,360	3.00		
		North Fork of Pound River Lake, VA	100	11.00		
		Paint Creek Lake, OH	1,040	1.50		
		Summersville Lake, WV	468	2.00		
	4-4-1	Tom Jenkings Dam, OH		Not Avail.	400 475	4 000 550
	total		92,366	124.17	103,475	1,839,556
	LRL	Barren River Lake, KY	1,050	18.00		
		Brookville Lake, IN	89,300	82.50		
		Caesar Creek Lake, OH	39,100	37.00		
		Carr Creek Lake,	2,052	2.00		
		Cave Run Lake, KY	802	3.00 7.50		
		Green River Lake, KY	4,315	130.00		
		Monroe Lake, IN Nolin Lake, KY	160,000 98	130.00		
		Patoka Lake, IN	129,800	75.00		
	<u> </u>	Rough River Lake, KY	129,800	4.10		
		William H. Harsha Lake, OH	35,534	37.00		
	total	*	462,573	37.00 397.10	330,917	5,882,963
	LRN	Center Hill Lake, TN	462,373 7,212	21.60	330,817	5,002,903
	LKIN	Dale Hollow Lake, TN & KY	2,211	21.60		
		J. Percy Priest Dam & Reservoir, TN	17,311	63.33		
		Laurel River Lake, KY	519	2.25		
		Laulei NIVEL LANE, IN I	519	2.25		1
	total	,	27,253	89.28	74,400	1,322,667

MSC	District	Project Name	Total Storage (AF)	Yield (MGD)	# Personal needs met	# Personal Household needs met
		Mosquito Creek Lake, OH	11,000	16.00		
		Stonewall Jackson Lake, WV	2,200			
		Tygart, WV	2,240	1.90		
		Youghiogheny Lake, PA	0	0.00		
	total		34,840		59,000	1,048,889
Total			617,032	664.35	567,792	10,094,075
MVD	MVS	Carlyle Lake, IL	32,692	24.50		
IVIVD	WVO	Clarence Cannon Dam & Mark Twain Lake.,	20,000			
		Lake Shelbyville, IL	24,714	17.00		
		Rend Lake, IL	109,000	70.00		
	total		186,406			1,918,519
	MVR	Saylorville	14,900		101,011	1,010,010
	total	Caylorvine	14,900		40,392	718,074
	MVK	DeGray	238,729			710,074
	IVIVIX					
		Enid Blakey Mt, Dam, Lake Ouachita	4,500 1,575			
	4-4-1	Blakey IVII, Daili, Lake Guacilita	244,804			0.400.440
T-1-1	total		446,110		100,000	2,428,148
Total			446,110	339.67	284,892	5,064,741
NWD	NWK	Clinton Lake, KS	89,200	17.30		
IVVD	IVVIX	Harry S Truman Dam & Res., MO	283			
		Hillsdale Lake, KS	53,000			
		Kanopolis Lake, KS	12,925			
			· · · · · · · · · · · · · · · · · · ·			
		Long Branch Lake, MO	24,400			
		Melvern Lake, KS	50,000			
		Milford Lake, KS	300,000			
		Perry Lake, KS	151,100			
		Pomona Lake, KS	33,000			
		Rathbrn Lake, IA	6,680			
		Smithville Lake, MO	95,200			
		Stockton Lake, MO	50,000			
		Tuttle Creek Lake, KS	50,000			
	total		915,788			5,934,074
	Omaha	Browman Haley	15,500			
		Garrison	54,390			
	total	1	69,890		,	252,741
	NWP	Lost Creek, OR	10,000			
	total NWS	Howard Hanson, WA	10,000	8.93 Not Avail.	7,442	132,296
		Howard Harison, WA		Not Avail.	Not Avoil	Not Avail
	total		-		Not Avail.	Not Avail.
Total			1,018,078	426.54	355,451	6,319,111
SPD	SPN	Dry Creek Warm Springs dam / Lake Sonoma, CA	212,000	189.30		
		Coyote Valley dam / Lake Mendocino, CA	111,000			
	total		323,000		240,342	4,272,741
Total			323,000	288.41	240,342	4,272,741

MSC	District	Project Name	Total Storage (AF)	Yield (MGD)	# Personal needs met	# Personal Household needs met
SWD	SWL	Beaver Lake, AR	160,148	132.50		
		Blue Mountain Lake, AR	1,550	2.00		
		Bull Shoals Lake, AR	880	1.00		
		DeQueen Lake, AR	17,885	22.00		
		Dierks Lake, AR	10,100	13.25		
		Gillham Lake, AR	20,600	42.00		
		Greers Ferry Lake, AR	12,578	3.00		
		Millwood Lake, AR	150,000	265.00		
		Nimrod Lake, AR	143	0.33		
		Norfork Lake, AR	2,400	3.00		
	total		376,284	484.08	397,800	7,072,000
	SWF	Aquilla Lake, TX	33,600	9.67		
		Bardwell Lake, TX	42,800	11.2		
		Belton Lake, TX	360,700	104.7		
		Benbrook Lake, TX	86,884	7.79		
		Canyon Lake, TX	366,400	89.94		
		Cooper Dam & Jim Chapman Lake, TX	273,000	109		
		Ferrells Bridge Dam, Lake O'The Pines, TX	250,000	154.99		
		Granger Dam & Lake, TX	37,900	16.2		
		Grapevine Lake, TX	136,250	17.46		
		Joe Pool Lake, TX	142,900	14.2		
		Lavon Lake, TX	380,000	43.95		
		Lewisville Dam, TX	436,000	106.6		
		Navarro Mills Lake, TX	53,200	15.51		
		N. San Gabriel D&L (Georgetown), TX	29,200	10.34		
		O C Fisher Dam & Lake, TX	78,793	3.62		
		Proctor Lake, TX	31,400	13.9		
		Ray Roberts Lake, TX	799,600	112.46		
		Sam Rayburn Dam & Reservoir, TX	1,489,200	35.74		
		Somerville Lake, TX	143,900	36.19		
		Stillhouse Hollow Dam, TX	204,900	63.19		
		Waco Lake, TX	151,626			
		Whitney Lake, TX	50,000	17.64		
		Wright Patman Dam & Lake, TX	300,583			
	total		5,878,836	1,102.19	933,402	16,587,407
	SWT	Arcadia Lake	23,090			
		Birch Lake	7,630	3.00		
		Broken Bow Lake	152,440			
		Canton Lake	90,000	4.60		
		Copan Lake	5,000	3.00		
		Council Grove Lake	32,400			
		Denison Dam - Lake Texoma	147,179			
		El Dorado Lake	142,800	22.20		
		Elk City Lake	34,300	12.20		
		Eufaula Lake	55,720	50.00		
		Heyburn Lake	2,000	1.70		
		Hugo Lake	47,600	58.10		
		Hulah Lake	19,800	12.40		
		John Redmond Dam and Reservoir	44,900	56.20		
		Kaw Lake	171,206	167.00		
		Keystone Lake	20,000	20.00		
		Marion Lake	50,800	9.70		
			342,600			
		Oologah Lake	342,000	154.00		

MSC	District	Project Name	Total Storage (AF)	Yield (MGD)	# Personal needs met	# Personal Household needs met
		Pat Mayse Lake	109,600	55.00		
		Pearson-Skubitz - Big Hill Lake	25,700	8.50		
		Pine Creek Lake	28,800	84.00		
		Sardis Lake	297,200	140.00		
		Skiatook Lake	62,900	14.00		
		Tenkiller Ferry Lake	25,472	26.63		
		Toronto Lake	400	0.10		
		Waurika Lake	151,400	36.20		
		Wister Lake	13,819	29.03		
	total		2,104,756	1,301.16	1,084,300	19,276,444
Total			8,359,876	2,887.43	2,415,142	42,935,851
Grand						
Total			11,142,294	5,424.47	4,545,177	80,803,110

Institute for Water Resources

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

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

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

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

The U.S. Army Corps of Engineers Water Supply program has periodically produced the Water Supply Database. This document revises a 2006 report. Future reports are anticipated to be published yearly. For further information on the U.S. Army Corps of Engineers M&I Water Supply Database please contact Mr. Ted Hillyer at 703-428-6140 or via e-mail at: Theodore.M.Hillyer@usace.army.mil

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

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