

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2004-00103
PUBLIC SERVICE COMMISSION DATA REQUEST No. 1
ITEMS 1 – 34

Witness Responsible:

L.C. Bridwell

10. a. For each construction project that Kentucky-American has commenced since January 1 1994, provide the information listed below in the format contained in Schedule 1:
- (1) Project numbers.
 - (2) Project title and description.
 - (3) Annual actual cost.
 - (4) Annual original budgeted cost.
 - (5) Variance between annual actual cost and annual original budgeted cost in dollars.
 - (6) Variance between annual actual cost and annual original budgeted cost as a percentage.
 - (7) Percentage of total construction budget that proposed project comprises for the budgeted year.
 - (8) Total actual project cost.
 - (9) Total budgeted project cost.
 - (10) Variance between total actual project cost and total budgeted project cost.
 - (11) Date the original budget projected the project to start.
 - (12) Date the original budget projected the project to be completed.
 - (13) Date construction of project actually commenced.
 - (14) Date construction of the project as actually completed.
- b. For each project in which a variance between actual and budgeted cost occurred or in which a delay in its start of completion occurred, describe the variance or delay and the reasons for such variance or delay.

Response:

Please see schedule attached. A summary of the projects completed is included as Attachment A, which includes explanations for projects with variances in excess of \$50,000 or projects that were delayed more than four months. Explanations are provided in the year the project was completed.

For electronic version, refer to [KAW_R_PSCDR1#10_052004.pdf](#)

Kentucky American Water
Case No. 2004-00103
Construction Projects
As of 2003

Schedule 1
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Witness Responsible
Linda Bridwell

e of Filing: X, Original Updated Revised
rispaper Reference No(s):

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
A	MAINS & HYDRANTS, DEPOSIT AGREEMENTS	\$3,711,271	\$4,250,000	(\$538,729)	87.32%	32.38%							
B	MAINS & HYDRANTS, NEW & REPLACEMENT SERVICES	1,388,765	975,000	413,765	142.44%	7.43%							
C	SERVICES	2,040,517	1,425,000	615,517	143.19%	10.86%							
D	METERS & INSTALLATIONS	1,739,016	1,500,000	239,016	115.93%	11.43%							
E	OFFICE FURNITURE & EQUIPMENT	96,018	25,000	71,018	384.07%	0.19%							
F	TRANSPORTATION EQUIPMENT	22,425	0	22,425		0.00%							
G	GENERAL EQUIPMENT	253,694	357,750	(104,056)	70.91%	2.73%							
G	MISCELLANEOUS		163,400	226,993	238.92%	1.25%							
		9,642,999	8,686,150	945,949	110.88%								
	ENTER ITEM A AND SUBTRACT	3,711,271	4,250,000	(538,729)									
	TOTAL ITEM B - H	5,930,828	4,446,150	1,484,678	133.39%								

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
92-12	BLUEGRASS WATER PROJECT	61,504	0	61,504		0.00%	3,403,518	352,200	3,051,318	Jul-92	Dec-96	Sep-92	Dec-03
96-19	CUSTOMER SERVICE SOFTWARE	720,918	0	720,918		0.00%				Dec-96	Jun-99	Nov-96	Nov-96
98-01	INTEGRATED RESOURCE PLAN	56,613	0	56,613		0.00%				Feb-98	Sep-99	Feb-99	Feb-99
98-08	SURGE PROTECTION KRS	1,693	0	1,693		0.00%				Apr-98	Nov-99	Aug-98	Aug-98
98-09	UPGRADE CART WINCH KRS	140	0	140		0.00%				Feb-98	Nov-98	Aug-98	Aug-98
01-02	GROUND STORAGE TANK - 3.0 MG	774,799	500,000	274,799	154.96%	3.81%				Mar-01	Dec-03	Feb-01	Feb-01
01-03	SCADA IMPROVEMENTS	352,624	600,000	(147,376)	70.52%	3.81%				Jan-01	May-03	Sep-02	Sep-02
01-04	SCOTT COUNTY MAINS	487,100	600,000	(112,900)	81.18%	4.57%				Jan-01	Dec-02	Jan-01	Oct-03
01-05	RUSSELL CAVE ROAD TANK - 1.0 MG	37,380	150,000	(112,620)	24.92%	1.14%				Jan-01	Dec-04	Feb-01	Mar-02
01-07	MAJOR HIGHWAY RELOCATIONS	(5,551)	0	(5,551)		0.00%				Jan-01	Dec-01	Jan-01	Jan-01
01-10	KRS HYDRAULIC IMPROVEMENTS	504,665	450,000	54,665	112.15%	3.43%				Mar-01	Sep-02	Aug-01	Jun-03
01-11	NEW COLUMBUS PROJECT	1,387,929	770,000	617,929	180.25%	5.87%				Mar-01	Dec-02	Mar-02	Nov-02
02-01	LEESTOWN ROAD MAIN IMPROVEMENTS	31,644	0	31,644		0.00%				Apr-02	Dec-03	Mar-02	Mar-02
02-02	2002 MAJOR HIGHWAY RELOCATIONS	182,535	0	182,535		0.00%				Apr-02	Dec-02	Jan-02	Jan-02
02-03	REPLACE TRAVELLING SCREEN & HOUSING	207	0	207		0.00%				Aug-02	Apr-03	Dec-03	Dec-03
02-04	SOURCE OF SUPPLY DEVELOPMENT	0	207,300	(207,300)	0.00%	1.58%				Apr-02	Dec-03	Jun-01	Jun-01
03-01	ELEVATED STORAGE TANK - 2.0 MG	503,390	700,000	(196,610)	71.91%	1.14%				May-03	Dec-05	Dec-05	Jul-03
03-02	MAJOR HIGHWAY RELOCATIONS	7,229	400,000	(392,771)	1.81%	3.05%				Jan-03	Dec-04	Jan-03	Jan-03
03-03	ELECTRICAL & RELIABILITY IMPROVEMENTS		0	0		0.00%				Jan-03	Jul-04	Jun-03	Jun-03
		5,104,819	4,427,300	677,519	115.30%								

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 2003

	INVESTMENT PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START	END
					START	END		
96-19	CUSTOMER SERVICE SOFTWARE	Project scope expanded to include national Call Center	3,403,518	352,200	12/96	6/99	11/96	12/03
01-04	SCOTT COUNTY MAINS	Project scope expanded to complete Scott County service	2,336,593	1,500,000	1/01	12/02	1/01	10/03
01-10	RRS HYDRAULIC IMPROVEMENTS	Project delayed by DOW approval, completed as proposed	1,651,323	1,600,000	3/01	9/02	8/01	6/03
03-02	2003 MAJOR HIGHWAY RELOCATIONS	Project scope reduced by K W O T	503,390	700,000	1/03	12/03	1/03	10/03
	GRAND TOTAL COMPLETED BP'S		\$7,914,824	\$4,152,200				

Kentucky American Water
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Type of Filing: X Original Updated Revised
Worksheet Reference No(s):

Schedule 1

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Witness Responsible
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Item	Description	Annual Actual	Annual Original Budget	Variant/Dollar	Variant/Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
A	MAINS & HYDRANTS, DEPOSIT AGREEMENTS	\$2,758,068	\$4,250,000	(\$1,491,932)	64.90%	25.55%				Jul-92	Dec-96	Sep-92	Dec-03
B	MAINS & HYDRANTS, NEW & REPLACEMENT SERVICES	793,184	1,152,600	(\$359,416)	68.82%	6.93%				Dec-96	Jun-99	Nov-96	Dec-03
C	METERS & INSTALLATIONS	1,634,330	1,123,200	511,130	145.51%	6.75%				Feb-98	Sep-99	Feb-99	Dec-03
D	OFFICE FURNITURE & EQUIPMENT	1,351,800	1,281,700	70,100	105.47%	7.71%				Apr-98	Nov-99	Aug-98	Dec-03
E	TRANSPORTATION EQUIPMENT	114,535	305,900	(191,365)	37.44%	1.84%		50,000	15,990	Feb-98	Nov-98	Aug-98	Oct-02
F	GENERAL EQUIPMENT	143,962	145,000	(1,038)	99.28%	0.87%		190,000	(30,197)	Mar-00	Dec-00	Mar-00	Dec-02
G	MISCELLANEOUS	96,772	256,700	(159,928)	37.70%	1.54%		94,000	27,461	Feb-00	Sep-00	Mar-00	Nov-02
H	TOTAL	7,169,096	8,885,800	(1,716,704)	80.68%					Jan-01	Dec-01	Apr-01	Dec-01
ENTER ITEM A AND SUBTRACT		2,758,068	4,250,000	(1,491,932)						Mar-01	Dec-03	Feb-01	Dec-03
TOTAL ITEM B - H		4,411,028	4,635,800	(224,772)	95.15%					Jan-01	May-03	Sep-02	Oct-03

Item	Description	Annual Actual	Annual Original Budget	Variant/Dollar	Variant/Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
92-12	BLUEGRASS WATER PROJECT	85,274	0	85,274	0%	0.00%				Jul-92	Dec-96	Sep-92	Dec-03
96-19	CUSTOMER SERVICE SOFTWARE	644,452	902,300	(257,848)	71.42%	5.42%				Dec-96	Jun-99	Nov-96	Dec-03
98-01	INTEGRATED RESOURCE PLAN	67,945	0	67,945	0%	0.00%				Feb-98	Sep-99	Feb-99	Dec-03
98-08	SURGE PROTECTION KRS	1,221	0	1,221	0%	0.00%				Apr-98	Nov-99	Aug-98	Dec-03
98-09	UPGRADE CART WINCH KRS	90,822	0	90,822	0%	0.00%				Feb-98	Nov-98	Aug-98	Dec-03
00-02	PARIS PIKE RELOCATION	(385,583)	0	(385,583)	0%	0.00%		50,000	15,990	Mar-00	Dec-00	Mar-00	Oct-02
00-03	HARRODSBURG ROAD RELOCATION DESIGN	(47,505)	0	(47,505)	0%	0.00%		190,000	(30,197)	Feb-00	Sep-00	Mar-00	Dec-02
00-04	RICHMOND ROAD RELOCATION	(774)	0	(774)	0%	0.00%		94,000	27,461	Mar-00	Nov-00	Mar-00	Nov-02
01-01	SECURITY SYSTEM IMPROVEMENTS	59,287	0	59,287	0%	0.00%				Jan-01	Dec-01	Apr-01	Dec-01
01-02	GROUND STORAGE TANK - 3.0 MG	6,464	100,000	(93,536)	6.46%	0.60%				Mar-01	Dec-03	Feb-01	Dec-03
01-03	SCADA IMPROVEMENTS	165,614	100,000	65,614	165.61%	6.00%				Jan-01	May-03	Sep-02	Oct-03
01-04	SCOTT COUNTY MAINS	764,887	750,000	14,887	103.85%	4.51%				Jan-01	Dec-02	Jan-01	Oct-03
01-05	RUSSELL CAVE ROAD TANK - 1.0 MG	10,317	50,000	(39,683)	20.63%	0.30%				Jan-01	Dec-04	Feb-01	May-02
01-06	KRS SLUICE GATE	8,686	100,000	(91,314)	8.69%	0.60%		250,000	(1,040)	Aug-01	May-02	Aug-01	May-02
01-07	MAJOR HIGHWAY RELOCATIONS	970	0	970	0%	0.00%		1,221,929	1,71,929	Jan-01	Dec-01	Jan-01	Mar-02
01-08	ACQUISITION OF TRIVILLAGE/ELK LAKE	1,033,926	1,490,200	(456,274)	69.38%	8.96%		1,860,000	(10,717)	Aug-00	Aug-00	Jul-01	Dec-02
01-10	RRS HYDRAULIC IMPROVEMENTS	959,924	1,355,000	(395,076)	70.84%	8.15%				Oct-01	May-03	Feb-02	Jun-03
02-01	LEESTOWN ROAD MAIN IMPROVEMENTS	74,945	700,000	(625,055)	10.71%	4.21%				Apr-02	Dec-03	Mar-02	Nov-02
02-02	MAJOR HIGHWAY RELOCATIONS	3,047,715	2,000,000	1,047,715	152.39%	12.02%		2,000,000	1,369,864	Jan-02	Dec-02	Jan-02	Nov-02
02-03	REPLACE TRAVELING SCREEN & HOUSING	0	200,000	(200,000)	0%	1.20%				Apr-02	Apr-02	Dec-03	Nov-02
02-04	WATER SUPPLY DEVELOPMENT PROJECT	0	0	0	0%	0.00%				Apr-02	Dec-03	Jun-01	Nov-02
GRAND TOTAL ITEM B-H TO IPS		6,819,386	7,747,500	(928,114)	88.02%								

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 2002

INVESTMENT PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
				START	END	START	END		
00-02	PARIS PIKE RELOCATION - DESIGN	65,990	50,000	3/00	12/00	3/00	3/00	10/02	10/02
00-03	HARRODSBURG ROAD RELOCATION - DESIGN	69,803	100,000	2/00	9/00	11/200	11/200	12/02	12/02
00-04	RICHMOND ROAD RELOCATION - DESIGN	121,461	94,000	3/00	11/00	3/200	3/200	11/02	11/02
01-06	KRS SLUICE GATES	248,960	250,000	8/01	5/02	8/01	8/01	5/02	5/02
01-07	2001 MAJOR HIGHWAY RELOCATIONS	1,221,929	1,050,000	1/01	12/01	1/01	1/01	3/02	3/02
01-08	ACQUISITION OF TRI-VILLAGE/ELK LAKE WATER	1,849,283	1,860,000	8/00	8/00	8/00	7/01	12/02	12/02
02-02	2002 MAJOR HIGHWAY RELOCATIONS	3,369,864	2,000,000	8/00	8/00	8/00	1/02	11/02	11/02
GRAND TOTAL COMPLETED IPS		\$6,947,290	\$5,404,000						

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Type of Filing: X_Original Updated Revised
Worksheet Reference No(s):

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Witness Responsible:
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Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
A	MAINS & HYDRANTS, DEPOSIT AGREEMENTS	\$3,243,917	\$4,230,000	(\$1,006,083)	76.13%	26.09%				Dec-96	Jun-99	Dec-03	Jul-01
B	MAINS & HYDRANTS, NEW & REPLACEMENT SERVICES	993,755	1,130,000	(136,245)	87.94%	6.94%				May-97	Oct-99	May-97	Jul-01
C	METERS & INSTALLATIONS	1,709,200	1,101,211	607,989	155.21%	6.76%				Sep-99	Sep-99	Feb-99	Jul-01
D	OFFICE FURNITURE & EQUIPMENT	1,484,500	1,256,564	227,936	118.14%	7.71%				Feb-98	Oct-98	Jan-99	Jul-01
E	TRANSPORTATION EQUIPMENT	213,344	328,000	(114,656)	65.04%	2.01%				Apr-98	Nov-99	Aug-98	Jul-01
F	GENERAL EQUIPMENT	281,543	250,000	31,543	112.62%	1.53%				Feb-98	Nov-98	Aug-98	Jul-01
G	MISCELLANEOUS	283,674	257,200	26,474	110.29%	1.58%				Jun-97	Nov-97	Aug-98	Dec-01
H	TOTAL	8,511,327	8,794,975	(283,648)	96.77%					Aug-99	Aug-00	Aug-99	Oct-01
ENTER ITEM A AND SUBTRACT		3,243,917	4,230,000	(1,006,083)						Dec-00	Dec-00	Mar-00	Dec-02
TOTAL ITEM B - H		5,267,410	4,564,975	722,435	115.90%					Sep-00	Sep-00	Nov-00	Dec-02

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
INVESTMENT PROJECTS													
92-12	BLUEGRASS WATER PROJECT	225,705	212,100	13,605	106.41%	1.30%				Jul-92	Dec-96	Sep-92	Dec-03
96-19	CUSTOMER SERVICE SOFTWARE	870,876	479,820	391,056	181.50%	2.95%	1,546,550	600,000	(946,550)	Dec-96	Jun-97	Nov-96	Dec-03
97-08	CHEMICAL SYSTEMS IMPROVEMENTS	136,110	0	136,110	0.00%	0.00%				Mar-97	Mar-97	May-97	Jul-01
98-01	INTEGRATED RESOURCE PLAN	100,998	0	100,998	0.00%	0.00%				Feb-98	Sep-99	Feb-99	Jul-01
98-05	4,000' OF 12" LEESTOWN ROAD	94,489	0	94,489	0.00%	0.00%				Feb-98	Oct-98	Jan-99	Jul-01
98-08	SURGE PROTECTION/KRS	17,087	0	17,087	0.00%	0.00%				Apr-98	Nov-99	Aug-98	Jul-01
98-09	UPGRADE CART WINCH AT INTAKE - KRS	1,254	0	1,254	0.00%	0.00%				Feb-98	Nov-98	Aug-98	Jul-01
98-12	CLARK COUNTY MAINS IMPROVEMENTS	61,650	700,000	(638,350)	8.81%	4.30%	1,159,682	2,000,000	(840,318)	Jun-97	Nov-97	Aug-98	Dec-01
99-07	BOURBON COUNTY MAIN EXTENSIONS	27,079	0	27,079	0.00%	0.00%				Aug-99	Aug-00	Aug-99	Oct-01
99-08	US 62 RELOCATION	11,126	0	11,126	0.00%	0.00%				Aug-99	Dec-00	Aug-99	Dec-01
00-02	PARIS PIKE RELOCATION	377,604	0	377,604	0.00%	0.00%				Mar-00	Dec-00	Mar-00	Dec-02
00-03	HARRODSBURG ROAD RELOCATION	13,273	0	13,273	0.00%	0.00%				Feb-00	Sep-00	Nov-00	Dec-02
00-04	RICHMOND ROAD RELOCATION	18,737	0	18,737	0.00%	0.00%				Mar-00	Nov-00	Mar-00	Dec-02
00-05	HARRISON COUNTY MAIN EXTENSION	87,139	0	87,139	0.00%	0.00%				Mar-00	Sep-00	Nov-00	Dec-02
01-01	SECURITY SYSTEM IMPROVEMENTS	656,430	350,000	306,430	187.55%	2.15%	157,970	120,000	37,970	Dec-00	Dec-00	Nov-00	Sep-01
01-02	GROUND STORAGE TANK - 3.0 MG	51,844	100,000	(48,156)	51.84%	0.61%	659,244	350,000	309,244	Jan-01	Dec-01	Apr-01	Dec-01
01-03	SCADA IMPROVEMENTS	38,572	94,000	(55,428)	62.31%	0.58%				Mar-01	Dec-03	Feb-01	Dec-01
01-04	SCOTT COUNTY MAINS	1,036,651	750,000	286,651	138.22%	4.60%				Jan-01	Dec-02	Sep-02	Oct-03
01-05	RUSSELL CAVE NO. 8 TANK - 1.0 MG	8,222	150,000	(141,778)	5.48%	0.92%				Jan-01	Dec-04	Feb-01	Oct-03
01-06	KRS SLUICE GATE	237,105	150,000	87,105	158.07%	0.92%				Jan-01	May-02	Feb-01	May-02
01-07	MAJOR HIGHWAY RELOCATIONS	992,648	1,050,000	(57,352)	94.54%	6.44%				Jan-01	Dec-01	Jan-01	Mar-02
01-08	ACQUISITION OF TRI VILLAGE & ELK LAKE WATER	1,830,291	1,911,300	(81,009)	95.76%	11.73%				Jan-01	Aug-00	Jul-01	Dec-02
01-09	ACQUISITION OF SOUTH SHORE	0	1,550,000	(1,550,000)	0.00%	9.51%				Jan-01	Jul-01	Jul-01	Dec-02
01-10	KRS HYDRAULIC IMPROVEMENTS	112,695	0	112,695	0.00%	0.00%				Mar-01	Sep-02	Aug-01	Jun-03
01-11	TRI VILLAGE NEW COLUMBUS PROJECT	0	0	0	0.00%	0.00%				Oct-01	May-03	Feb-02	Jun-03
GRAND TOTAL ITEM B-H TO IPS		7,027,383	7,497,220	(469,837)	93.73%								

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES FOR THE YEAR 2001

	INVESTMENT PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
					START	END	START	END	START	END
97-08	CHEMICAL SYSTEMS IMPROVEMENTS	Project scope was revised to include design & construction of chlorine scrubber	1,546,550	600,000	3/97	10/99	5/97	7/01	7/01	7/01
98-05	4,000' OF 12" LEESTOWN ROAD	Project scope reduced by KYDOT	280,500	320,000	2/98	10/98	1/99	7/01	7/01	7/01
98-12	CLARK COUNTY MAW'S IMPROVEMENTS	Project scope was reduced to eliminate feed to Ford-Hampton area, bids were below estimate	1,159,682	2,000,000	6/97	11/97	8/98	12/01	12/01	12/01
99-07	BOURBON COUNTY MAW EXTENSIONS	Project costs exceeded estimates due to rock, project delayed waiting on property owners	935,228	916,000	8/99	8/00	8/99	10/01	10/01	10/01
99-08	US 62 RELOCATION	Project completed as proposed	1,792,597	1,800,000	11/00	12/00	8/99	12/01	12/01	12/01
00-05	HARRISON COUNTY MAIN EXTENSION	Project exceeded cost & delayed over easement negotiation, master meter vault sizing	157,970	120,000	11/00	12/00	11/00	9/01	9/01	9/01
01-01	SECURITY SYSTEM IMPROVEMENTS	Project scope expanded after 9/11	619,244	110,000	1/01	12/01	4/01	12/01	12/01	12/01
01-09	ACQUISITION OF SOUTH SHORE	Acquisition never completed	0	1,550,000	1/01	7/01				
	GRAND TOTAL COMPLETED IPS		\$6,531,771	\$7,656,000						

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Type of Filing: X Original Updated Revised
Workpaper Reference No(s):

Schedule 1

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Witness Responsibility
Linda Bridwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
A	MAINS & HYDRANTS, DEPOSIT AGREEMENTS	\$3,113,100	\$4,250,000	(\$1,136,900)	73.25%	32.08%							
B	MAINS & HYDRANTS, NEW & REPLACEMENT SERVICES	855,311	1,139,500	(284,189)	75.06%	8.60%							
C	METERS & INSTALLATIONS	1,638,319	1,095,000	543,319	149.62%	8.26%							
D	OFFICE FURNITURE & EQUIPMENT	1,000,174	1,035,000	(33,826)	96.73%	7.81%							
E	TRANSPORTATION EQUIPMENT	181,122	206,200	(25,078)	87.84%	1.56%							
F	GENERAL EQUIPMENT	170,806	180,600	(9,794)	94.58%	1.36%							
G	MISCELLANEOUS	315,842	310,200	5,642	101.82%	2.34%							
H		316,859	283,000	31,859	111.18%	2.15%							
TOTAL		7,992,533	8,501,500	(508,967)	89.31%								
	ENTER ITEM A AND SUBTRACT	3,113,100	4,250,000	(1,136,900)									
	TOTAL ITEM B - H	4,479,433	4,251,500	227,933	105.36%								

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
92-12	INVESTMENT PROJECTS												
96-12	BLUEGRASS WATER PROJECT	360,035	270,000	90,035	133.35%	2.04%	624,258	4,800,000	(4,175,742)	Jul-92	Dec-96	Sep-92	Jan-00
96-18	KRS - ADDITIONAL RESIDUALS HANDLING FACILITY	0	0	0	0.00%	0.00%				Jan-96	May-98	Feb-96	Jan-00
96-19	AVON TANK AND BOOSTER PUMP	(18,679)	0	(18,679)	0.00%	0.00%				Oct-96	Oct-96	Oct-96	Dec-99
97-03	CUSTOMER SERVICE SOFTWARE	158,669	347,000	(188,331)	45.73%	2.62%				Dec-96	Jun-99	Nov-96	Dec-03
97-08	BACKWASH WASTE SYSTEM - KRS	20,396	0	20,396	89.06%	4.24%	286,636	250,000	36,636	Sep-97	Apr-98	Nov-97	Mar-00
98-01	CHEMICAL SYSTEMS IMPROVEMENTS	500,507	562,000	(61,493)	89.06%	4.24%				Mar-97	Oct-99	May-97	Jul-01
98-05	INTEGRATED RESOURCE PLAN	258,836	230,000	28,836	112.54%	1.74%				Feb-98	Sep-99	Feb-99	Jul-01
98-08	LEESTOWN ROAD (PHASE II)	107,393	213,500	(106,107)	50.30%	1.61%				Feb-98	Oct-98	Jan-99	Jul-01
98-09	SURGE PROTECTION/KRS	25,046	0	25,046	0.00%	0.00%				Apr-98	Nov-99	Aug-98	Jul-01
98-12	UPGRADE CART WINCH AT INTAKE - KRS	6,048	0	6,048	0.00%	0.00%				Feb-98	Nov-98	Aug-98	Jul-01
99-02	CLARK COUNTY MAINS IMPROVEMENTS	58,361	300,000	(241,639)	19.45%	2.26%				Jun-97	Nov-97	Aug-98	Dec-01
99-03	REPLACE FILTER VALVES @ KRS	26,587	0	26,587	0.00%	0.00%				Sep-99	Nov-99	Sep-99	Mar-00
99-04	REPLACE TANK TELEMETRY - KRS	811,003	850,000	(38,997)	64.2%	6.42%	131,023	140,000	(8,977)	Jan-99	Dec-00	Mar-99	Aug-00
99-05	SCOTT COUNTY MAINS	84,148	0	84,148	0.00%	0.00%	1,491,202	1,500,000	(8,798)	Feb-99	Jan-99	Feb-99	Aug-00
99-07	ELECTRIC RENOVATIONS @ KRS, JACOBSON BOURBON COUNTY MAIN EXTENSIONS	17,922	0	17,922	0.00%	0.00%	576,558	530,000	46,558	Jan-99	Dec-99	May-99	Feb-00
99-08	US 62 RELOCATION	388,322	400,000	(11,678)	97.08%	3.02%	171,611	230,000	(58,389)	Aug-99	Aug-00	Aug-99	Jan-00
00-01	REBUILD UNDERDRAIN OF KRS FILTERS 5 & 6	1,056,386	1,150,000	(93,614)	91.86%	8.68%				Aug-99	Dec-00	Aug-99	Dec-01
00-02	PARIS PIKE RELOCATION - DESIGN	227,152	212,000	15,152	107.15%	1.60%	227,152	212,000	15,152	Mar-00	May-00	Mar-00	Apr-00
00-03	HARRISBURG ROAD RELOCATION - DESIGN	8,053	50,000	(41,947)	16.11%	0.38%				Feb-00	Dec-00	Nov-00	Dec-01
00-04	RICHMOND ROAD RELOCATION - DESIGN	30,716	70,000	(39,284)	43.88%	0.53%				Mar-00	Sep-00	Nov-00	Dec-01
00-05	HARRISON COUNTY MAIN EXTENSION	102,724	94,000	8,724	109.28%	0.71%				Mar-00	Nov-00	Nov-00	Dec-01
TOTAL		70,000	0	70,000	0.00%	0.00%				Jan-00	Dec-00	Jan-00	Sep-01
TOTAL INVESTMENT PROJECTS		4,299,622	4,748,500	(448,878)	90.35%								

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 2000

	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
				START	END	START	END	START	END
96-12	INVESTMENT PROJECTS								
97-03	KRS-ADDITIONAL RESIDUALS FACILITIES	624,258	4,800,000	1/96	5/98	2/96	1/00		
	FILTER TO WASTE SYSTEM - KRS	286,636	250,000	9/97	4/98	2/99	3/00		
99-02	REPLACE FILTER VALVES @ KRS	131,023	140,000	9/99	11/99	9/99	3/00		
99-03	SCOTT COUNTY MAINS	1,491,202	1,500,000	2/99	12/00	3/99	8/00		
99-04	REPLACE TANK TELEMETRY - KRS	576,558	530,000	1/99	12/99	2/99	2/00		
99-05	ELECTRIC RENOVATIONS @ KRS, JACOBSON	171,611	230,000	8/99	12/99	5/99	1/00		
00-01	REBUILD UNDERDRAIN OF KRS FILTERS 5 & 6	227,152	212,000	3/00	5/00	1/00	4/00		
	GRAND TOTAL COMPLETED IPS	\$3,508,440	\$7,662,000						

Kentucky American Water
Case No. 2004-00103
Construction Projects
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Type of Filing: X_ Original Updated Revised
Worksheet Reference No(s):

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Witness Responsible:
Linda Bridwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
A	MAINS & HYDRANTS, DEPOSIT AGREEMENTS	\$4,745,800	\$2,800,000	\$1,945,800	169.49%	16.38%							
B	MAINS & HYDRANTS, NEW & REPLACEMENT	1,184,514	1,225,000	(40,486)	96.70%	7.17%							
C	SERVICES	1,232,060	1,011,000	221,060	121.87%	5.91%							
D	METERS & INSTALLATIONS	988,995	1,200,000	(211,005)	82.42%	7.02%							
E	OFFICE FURNITURE & EQUIPMENT	516,571	500,930	15,641	103.12%	2.93%							
F	TRANSPORTATION EQUIPMENT	305,491	293,100	12,391	104.23%	1.71%							
G	GENERAL EQUIPMENT	327,030	241,404	85,626	135.47%	1.41%							
H	MISCELLANEOUS	541,001	287,000	254,001	188.50%	1.68%							
	TOTAL	9,841,462	7,558,434	2,283,028	130.21%								
	ENTER ITEM A AND SUBTRACT	4,745,800	2,800,000	1,945,800									
	TOTAL ITEM B - H	5,095,662	4,758,434	337,228	107.09%								

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
INVESTMENT PROJECTS													
92-12	DEVELOP OHIO RIVER SUPPLY	2,638,747	2,732,800	(94,053)	96.56%	15.99%	135,882	250,000	(114,118)	Jul-92	Dec-96	Sep-92	Oct-99
96-42	NEW CIRCLE ROAD AT WINCHESTER ROAD	135,093	0	135,093	0.00%	0.00%				Jan-96	Sep-96	Apr-96	Jan-00
96-12	KRS - ADDITIONAL RESIDUALS HANDLING FAC.	317,159	1,400,000	(1,082,841)	22.65%	8.19%	578,468	599,200	(20,732)	Jan-96	May-98	Feb-96	Jan-00
96-17	BUSINESS SYSTEMS SOFTWARE	63,600	0	63,600	0.00%	0.00%	1,653,771	1,470,000	183,771	Nov-96	Jun-97	Jul-98	Dec-99
96-18	AVON TANK AND BOOSTER PUMP	294,890	0	294,890	0.00%	0.00%				Oct-96	Jun-98	Oct-96	Dec-99
96-19	CUSTOMER SERVICE SOFTWARE	329,339	250,402	78,937	131.52%	1.46%				Dec-96	Jun-99	Nov-96	Dec-03
97-03	AIR GAPS ON KRS FILTER TO WASTE	32,597	0	32,597	0.00%	0.00%	1,488,102	1,510,000	(21,898)	Sep-97	Apr-98	Nov-97	Mar-00
97-05	SCOTT COUNTY MAINS	(149,889)	0	(149,889)	0.00%	0.00%				May-97	Dec-98	Jun-97	Dec-99
97-08	CHEMICAL SYSTEMS IMPROVEMENTS	664,741	600,000	64,741	110.79%	3.51%				Mar-97	Oct-99	May-97	Jul-01
98-01	INTEGRATED RESDUCE PLAN	109,639	150,000	(40,361)	73.09%	0.88%				Feb-98	Sep-99	Feb-99	Jun-99
98-03	REPLACE HIGH SERVICE PUMP # 11	32,406	0	32,406	0.29%	0.00%	145,450	150,000	(4,550)	May-98	Dec-98	Apr-98	Apr-99
98-05	4,000' OF 12" LEESTOWN ROAD	81,646	290,000	(208,354)	28.15%	1.70%				Jan-98	Nov-99	May-98	Nov-99
98-06	DISINFECTION BYPRODUCT STUDY	9,393	0	9,393	0.00%	0.00%	89,300	125,000	(35,700)	Apr-98	Dec-98	Apr-98	Jun-99
98-08	SURGE PROTECTION/KRS	8,493	100,000	(91,507)	8.49%	0.59%				Apr-98	Dec-98	Apr-98	Jun-99
98-09	UPGRADE CART WINCH AT INTAKE - KRS	19,886	320,000	(300,114)	6.21%	1.87%				May-98	Dec-98	Apr-98	Jun-99
98-10	REINFORCE INTAKE STRUCTURE, PUMP REN. - KRS	35,626	30,000	5,626	118.75%	0.18%				Jan-98	Dec-98	Mar-98	Oct-99
98-12	CLARK COUNTY MAINS IMPROVEMENTS	627,567	361,000	266,567	173.84%	2.11%	432,825	400,000	32,825	Jan-98	Nov-97	Aug-98	Dec-01
99-01	NORTH BROADWAY REPLACEMENT	73,454	300,000	(226,546)	24.48%	1.76%				Feb-98	Oct-98	Jan-99	Jul-01
99-02	REPLACE FILTER VALVES @ KRS	104,437	140,000	(35,563)	74.60%	0.82%				Apr-98	Nov-99	Aug-98	Nov-99
99-03	SCOTT COUNTY MAINS	680,198	750,000	(69,802)	90.69%	4.39%				Feb-98	Dec-99	Mar-99	Mar-00
99-04	REPLACE TANK TELEMETRY WITH RADIO	479,765	530,000	(50,235)	90.52%	3.10%	577,905	530,000	47,905	Sep-99	Dec-99	Sep-99	Mar-00
99-05	ELECTRIC RENOVATIONS @ KRS, JACOBSON	135,689	230,000	(94,311)	58.99%	1.35%				Dec-99	Dec-99	Dec-99	Dec-99
99-06	REYNOLDS ROAD 24" RELOCATION	415,473	400,000	15,473	103.87%	2.34%				Jan-99	Dec-99	Feb-99	Mar-00
99-07	BOURBON COUNTY MAIN EXTENSIONS	546,916	0	546,916	0.00%	0.00%				Aug-99	Aug-99	May-99	Dec-99
99-08	US 62 RELOCATION	736,211	0	736,211	0.00%	0.00%				Aug-99	Dec-00	Aug-99	Oct-01
	GRAND TOTAL INVESTMENT PROJECTS	8,443,706	9,534,707	(1,091,001)	88.54%					Jul-92	Dec-00	Sep-92	Dec-01

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 1999

	INVESTMENT PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START	END
					START	END		
96-02	NEW CIRCLE ROAD AT WINCHESTER ROAD	Project scope revised due to KYDOT redesign	135,882	230,000	1/96	9/96	4/96	10/99
96-17	BUSINESS SYSTEMS SOFTWARE	Project completed as proposed	578,468	599,200	11/96	7/98	1/97	12/99
96-18	AVON TANK AND BOOSTER PUMP	Project completed as proposed, electric work exceeded estimate	1,653,771	1,470,000	10/96	6/98	10/96	12/99
97-05	SCOTT COUNTY MAINS	Project completed as proposed, easement work delayed completion	1,488,102	1,510,000	5/97	12/98	6/97	12/99
98-02	16" FROM CLAYS MILL TO HARRODSBURG ROAD	Project cancelled due to Jessamine South Elkhorn moving vault	0	980,000	5/98	12/98	4/98	6/99
98-03	REPLACE HIGH SERVICE PUMP # 11	Project completed as proposed	145,450	150,000	1/98	10/98	9/98	4/99
98-06	DISINFECTION BYPRODUCT STUDY	Project completed as proposed, low turbidity delayed completion	89,300	125,000	1/98	12/98	5/98	11/99
98-10	REINFORCE INTAKE STRUCTURE, PUMP REN. - KRS	Project completed as proposed, manufacturer took longer than anticipated	432,825	400,000	1/98	12/98	3/98	10/99
99-01	NORTH BROADWAY REPLACEMENT	Project cancelled due to extremely high bids, will be done in the future	57,000	1,300,000	3/99	7/00	2/99	10/99
99-06	REYNOLDS ROAD 24" RELOCATION	Project completed as proposed, developer delayed construction	415,473	400,000	1/99	5/99	3/99	
	GRAND TOTAL COMPLETED IPS		\$4,996,271	\$7,184,200				

Kentucky American Water
Case No. 2004-00103
Construction Projects
As of 1998

Type of Filing: X Original _____ Updated _____ Revised _____
Worksheet Reference No(s): _____

Schedule 1
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Witness Responsible
Linda Britwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
IA-1	ITEMS IA-2 TO 5 IN PROGRESS	\$0	\$0	\$0		0.00%							
IA-2	MAINS & HYDRANTS - CO. EXPENSE	328,324	397,000	(68,676)	82.75%	1.92%							
IA-3	MAINS, HYDRANTS & SERVICES - DEPOSIT AGREE.	3,041,296	2,972,500	38,796	101.30%	14.44%							
IA-4	MAIN AND SERVICE DEPOSIT REFUNDS OR ALLOW.	1,769,804	1,811,200	(41,396)	97.1%	8.74%							
IA-5	MAINS & HYDRANTS - REINFORCE/REPLACE	712,222	608,000	104,222	117.14%	2.93%							
TOTAL		5,841,847	5,808,700	33,147	100.57%								
ENTER LINE IA-3 AND SUBTRACT		3,041,296	2,972,500	38,796									
TOTAL IA-1 TO IA-5		2,810,551	2,816,200	(5,649)	99.86%								
IB	SERVICES												
1C	METERS	1,143,942	1,099,900	134,042	113.27%	4.87%							
2	OFFICE FURNITURE AND EQUIPMENT	805,630	957,800	(152,170)	84.11%	4.62%							
3	TRANSPORTATION EQUIPMENT	525,044	535,400	(10,356)	98.07%	2.38%							
4	GENERAL EQUIPMENT	331,574	339,900	(8,326)	97.55%	1.64%							
5	MISCELLANEOUS	284,272	277,700	6,572	102.37%	1.34%							
TOTAL IA-1 TO 5 Less Item IA-1		198,340	192,400	5,944	103.09%	0.33%							
TOTAL IA-1 TO 5		6,099,337	6,129,300	(29,943)	99.51%								
BUDGET PROJECTS													
92-12	DEVELOP OHIO RIVER SUPPLY	1,482,317	2,100,000	(617,483)	70.60%	10.13%							
93-02	KRS CHEMICAL FEED BLDG # 2 IMPROVEMENTS	(112)	0	(112)		0.00%							
96-02	NEW CIRCLE ROAD AT WINCHESTER ROAD	29,892	187,790	(157,898)	15.92%	0.91%							
96-01	12,750 FT. - 12" IN WINCHESTER ROAD	33	0	33		0.00%							
96-12	KRS - ADDITIONAL RESIDUALS HANDLING FAC.	161,558	2,335,000	(2,173,442)	6.92%	1.126%							
96-15	OFFICE RENOVATIONS AND IMPROVEMENTS	411,954	260,370	151,584	158.22%	1.26%							
96-17	BUSINESS SYSTEMS SOFTWARE	187,029	268,000	(80,971)	69.79%	1.29%							
96-18	AVON TANK AND BOOSTER PUMP	1,125,430	1,117,870	7,560	100.68%	3.99%							
96-19	CUSTOMER SERVICE SOFTWARE	570,774	550,227	20,547	103.73%	2.63%							
97-01	8,000' of 12" - HARP INNIS ROAD	102,986	284,000	(181,014)	35.56%	1.37%							
97-02	REPLACE SCADA RTU'S @ KRS	88,430	99,130	(10,680)	89.23%	0.48%							
97-03	ALK GAPS ON KRS FILTER TO WASTE	171,851	188,210	(16,359)	91.31%	0.91%							
97-04	IMPROVEMENTS - PARKERS MILL BOOSTER	2,916	18,530	(15,614)	15.74%	0.09%							
97-01	SCOTT COUNTY MAINS	907,706	779,600	128,106	116.43%	3.76%							
97-08	CHEMICAL SYSTEMS IMPROVEMENTS	283,923	297,000	(13,075)	95.60%	1.43%							
97-09	BOONSBORO ACQUISITION	510,246	550,000	(39,754)	92.77%	2.63%							
98-01	INTEGRATED RESOURCE PLAN	0	175,000	(175,000)	0.00%	0.84%							
98-02	16" PROM CLAYS MILL TO HARRODSBURG ROAD	113,939	100,000	88,601	114.09%	0.48%							
98-03	REPLACE HIGH SERVICE PUMP # 11	113,044	150,000	(36,956)	75.36%	0.72%							
98-04	REBUILD UNDERDRAIN SYSTEM - KRS FILTERS 9 & 10	170,841	200,000	(29,159)	85.42%	0.96%							
98-05	4,000' OF 12" LEBESTOWN ROAD	0	320,000	(320,000)	0.00%	1.54%							
98-06	DISINFECTION BYPRODUCT STUDY	79,907	125,000	(45,093)	63.95%	0.60%							
98-07	BETHLEHEMWARE ROAD EXTENSION	196,380	337,500	(141,120)	58.19%	1.63%							
98-08	SURGE PROTECTION/KRS	25,834	75,000	(49,166)	34.45%	0.46%							
98-09	UPGRADE CART WINCH AT INTAKE - KRS	45,120	100,000	(54,880)	45.12%	0.77%							
98-10	REINFORCE INTAKE STRUCTURE, PUMP MAINT. - KRS	398,129	400,000	(1,871)	99.53%	1.93%							
98-11	RELOCATE 1,860' OF 24" - EXECUTIVE PARK	239,312	267,500	(27,988)	89.54%	1.29%							
98-12	CLARK COUNTY MAINS IMPROVEMENTS	363,428	262,000	101,428	138.71%	1.26%							
GRAND TOTAL BUDGET PROJECTS		13,778,106	17,737,027	(3,958,921)	77.68%								

Attachment A
PSC Data Request: 1
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KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 1998

PROJECT ID	PROJECT DESCRIPTION	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST		ORIGINAL BUDGET	
				START	END	START	END
96-03	INVESTMENT PROJECTS						
96-15	12,750' OF 12" WINCHESTER ROAD	Project cancelled	0	385,000	4/96	11/96	3/96
97-01	OFFICE RENOVATIONS AND IMPROVEMENTS	Project completed as proposed - scope revised to include HVAC	2,721,585	2,300,000	1/96	12/97	4/96
97-02	8,000' OF 12" - HARD INNIS ROAD	Project scope reduced for Paris Pike construction, favorable bids received	100,986	284,000	9/97	12/98	2/98
97-09	REPLACE SCADA RTU'S @ RRS	Project completed as proposed - equipment price charged significantly	314,324	235,000	10/97	11/97	6/97
98-04	BOONESBORO ACQUISITION	Project completed as proposed - closing delayed	510,246	550,000	6/97	11/97	1/98
98-07	REBUILD UNDERDRAINS - KRS FILTERS 9 & 10	Project completed as proposed	170,841	200,000	8/98	9/98	5/98
98-11	BETHLEHEM/WARE ROAD EXTENSION	Project completed as proposed - favorable bids received	196,380	337,500	2/98	11/98	5/98
	RELOCATE 1,860' OF 24" - EXECUTIVE PARK	Project completed as proposed	239,500	267,550	1/98	4/98	1/98
	GRAND TOTAL COMPLETED BPS		\$4,253,862	\$4,559,050			

Kennedy American Water
Case No. 2004-00103
Construction Projects

As of 1997

Type of Filing: X Original Updated Revised
Worksheet Reference No(s):

Schedule 1
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Witness Responsible:
Linda Bridwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
IA-1	ITEMS IA-2 TO 5 IN PROGRESS	\$15,242	\$0	\$15,242	43.54%	0.00%							
IA-2	MAINS & HYDRANTS - CO. EXPENSE	243,835	560,000	(316,165)	101.43%	3.59%							
IA-3	MAINS, HYDRANTS & SERVICES-DEPOSIT AGREE	2,428,329	2,394,625	34,304	101.43%	15.36%							
IA-4	MAIN AND SERVICE DEPOSIT REFUNDS OR ALLOW.	1,859,597	1,825,000	31,597	101.73%	11.72%							
IA-5	MAINS & HYDRANTS - REINFORCE/REPLACE	907,275	635,000	(107,725)	77.45%	4.20%							
TOTAL		5,054,878	5,437,625	(382,747)	97.95%								
ENTER LINE IA-3 AND SUBTRACT		2,428,929	2,394,625	34,304									
TOTAL IA-1 TO IA-5		2,625,949	3,043,000	(417,051)	86.29%								
IB	SERVICES	1,031,176	985,800	45,376	104.59%	6.33%							
IC	METERS	906,015	715,769	190,246	126.38%	4.59%							
2	OFFICE FURNITURE AND EQUIPMENT	204,507	153,860	50,647	133.92%	0.99%							
3	TRANSPORTATION EQUIPMENT	342,595	344,350	(1,955)	99.48%	2.21%							
4	GENERAL EQUIPMENT	224,491	228,160	(3,669)	98.39%	1.46%							
5	MISCELLANEOUS	201,000	205,500	(8,440)	95.97%	1.34%							
TOTAL IA-1 TO 5 Less Item IA-1		5,535,523	5,681,439	(145,916)	97.45%								
BUDGET PROJECTS													
96-06	KRS CHEMICAL FEED BUILDING	1,406	0	1,406	40.42%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
90-07	INSTALL 17,500' OF 20" IN SOUTH END	200,000	495,000	(295,000)	155.27%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
91-01	3.0 MG PUMPED STORAGE CLAYS MILL ROAD	12,578	0	12,578	155.27%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
92-12	DEVELOP OHIO RIVER SUPPLY	818,469	527,100	291,369	656	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
93-01	INSTALL MAIN IN BRYAN STATION PIKE	656	0	656	60.13%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
93-02	KRS CHEMICAL FEED BLDG # 2 IMPROVEMENTS	98,006	0	98,006	476	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
95-09	KRS ACCESS ROAD	476	0	476	993	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
95-11	COAGULANT AID-POLYMER FEED - KRS	51,132	0	51,132	630,000	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
95-12	SCOTT COUNTY MAIN EXTENSIONS	378,838	630,000	(251,162)	13,196	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-01	15,000 FT - 12" - HOUSTON-ANTIOCH ROAD	13,106	0	13,106	44,680	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-02	NEW CIRCLE ROAD AT WINCHESTER ROAD	44,680	0	44,680	(56,327)	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-03	12,750 FT - 12" IN WINCHESTER ROAD	1,118	0	1,118	142,547	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-04	RICHMOND ROAD STATION AUTOMATION	(56,327)	0	(56,327)	10,098	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-05	RADIO TELEMETRY TANKS AT KRS	1,118	0	1,118	142,547	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-07	HUME ROAD/AMI LANE REPLACEMENT	142,547	0	142,547	371,611	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-08	SOFTWARE TO RESTRUCTURE METER ROUTES	10,098	0	10,098	18,480	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-09	6,200 FT - 16" SOUTH BROADWAY	1,231,611	660,000	571,611	186.61%	4.23%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-10	PURCHASE INTAKE PUMP FOR KRS	18,480	0	18,480	330,369	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-11	KRS - ADDITIONAL RESIDUALS HANDLING FAC.	91,631	422,000	(330,369)	21.71%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-12	DECLORINATION FACILITIES AT KRS	22,817	0	22,817	15,267	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-13	8" - SPUR ROAD & BETHEL LANE	15,267	0	15,267	(365,644)	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-15	OFFICE RENOVATIONS AND IMPROVEMENTS	1,362,356	1,708,000	(345,644)	78.59%	10.95%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-16	UPGRADE AS 400	8,855	0	8,855	8,855	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-17	BUSINESS SYSTEMS SOFTWARE	213,723	278,500	(64,777)	76.74%	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-18	AVON TANK AND BOOSTER PUMP	248,208	1,215,000	(966,792)	20.43%	7.75%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
96-19	CUSTOMER SERVICE SOFTWARE	93,666	0	93,666	(50,000)	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-01	REPLACE SCADA RTUS @ RRS	225,874	225,000	874	100.39%	0.32%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-02	AIR GAPS ON KRS FILTER TO WASTE	67,922	60,000	7,922	112.99%	1.44%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-03	IMPROVEMENTS - PARKERS MILL BOOSTER	81,473	100,000	(18,527)	81.47%	0.64%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-04	SCOTT COUNTY MAINS	730,823	790,000	(59,177)	100.11%	4.68%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-05	PURCHASE FLOW MONITORING EQUIP.	129,891	143,000	(13,109)	90.83%	0.92%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-06	GEOGOWEN INTERCONNECTION	261,538	150,000	111,538	174.36%	0.96%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-07	CHEMICAL SYSTEMS IMPROVEMENTS	52,739	125,000	(72,261)	42.19%	0.80%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-08	BOONESHORO ACQUISITION	0	0	0	0	0.00%		1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96
97-09	GRAND TOTAL BUDGET PROJECTS	12,089,915	13,200,039	(1,110,124)	91.82%			1,211,000	(173,000)	Feb-99	Mar-99	Jan-00	May-96

Attachment A
PSC Data Request 1
Item 10 b
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KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES

FOR THE YEAR 1997

PROJECT ID	PROJECT DESCRIPTION	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
					START	END	START	END	START	END
99-07	INSTALL 17,500' OF 20" IN SOUTH END		1,038,000	1,211,000	3/90	12/90	4/95	9/97		
95-09	KRS ACCESS ROAD	Favorable bids received	0	100,000	2/95	5/95	--	--		
96-01	15,000' OF 12" HOUSTON-ANTIOCH ROAD	Project cancelled in June, 1997 due to difficulty obtaining permit	440,200	750,000	8/96	11/97	10/96	12/97		
96-08	HUME ROAD, AMI LANE REPLACEMENT	Project scope shortened to accommodate road construction	154,000	150,000	3/96	7/96	1/96	8/97		
96-10	6,200' OF 16" SOUTH BROADWAY	Project completed as proposed - delayed due to easements	1,230,500	870,000	7/96	8/97	8/96	12/97		
96-13	DECLORINATION FACILITIES AT KRS	Project completed as proposed - revised cost due high bids	92,545	100,000	3/96	8/96	5/96	2/97		
96-14	8" - SPURK ROAD & BETHEL LANE	Project completed as proposed, favorable bids received	192,864	245,000	4/96	10/96	4/96	2/97		
97-04	IMPROVEMENTS - PARKERS MILL BOOSTER	Project completed as proposed	92,000	100,000	7/97	12/97	8/97	12/97		
97-06	PURCHASE FLOW MONITORING EQUIPMENT	Project completed as proposed, delayed due to equipment install.	129,800	143,000	4/97	4/97	4/97	12/97		
97-07	GEORGETOWN INTERCONNECTION	Project revised in scope	261,500	150,000	1/97	4/97	4/97	8/97		
	GRAND TOTAL COMPLETED BPS		\$3,631,499	\$3,819,000						

KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES

FOR THE YEAR 1996

	UNDESIGNED PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
					START	END	START	END		
95-02	16,100 FT - 12" - HALEY PIKE	Favorable bids received	531,057	650,000	3/95	6/96	4/95	9/96		
95-06	LAND PURCHASE/SLUDGE STUDY	Project combined with BP 96-12	0	30,000	3/95	12/95	3/95	9/96		
95-11	COAGULANT AID-POLYMER FEED-KRS	Project completion delayed by intake pump maintenance	267,960	277,000	9/95	4/96	12/95	8/96		
95-12	SCOTT COUNTY MAIN EXTENSIONS	Project scope was expanded	1,694,122	1,701,419	10/95	6/96	11/95	12/96		
96-04	RICHMOND ROAD STATION AUTOMATION	Project determined not cost feasible at this time	56,526	243,000	1/96	12/96	1/96	10/96		
96-05	VIRGINIA AVENUE RELOCATION		322,400	330,000	2/96	9/96	3/96	10/96		
96-06	REBUILD UNDERDRAIN SYSTEMS KRS FILTERS 1&2		198,571	200,000	9/96	12/96	8/96	11/96		
96-07	RADIO TELEMETRY TANKS AT KRS	Project determined not cost feasible at this time	11,532	50,000	4/96	11/96	1/96	10/96		
96-16	FITCHLAND AS 400		117,467	120,000	2/96	2/96	2/96	2/96		
	TOTAL COMPLETED BPS		\$3,159,633	\$3,601,419						

Kentucky American Water
Case No. 2004-00103
Construction Projects

As of 1995

Type of Filing: X Original Updated Revised
Worksheet Reference No(s):

Schedule 1
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Witness Responsible
Linda Bridwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
1A-1	ITEMS 1A-2 TO 5 IN PROGRESS	\$3,786	\$0	\$3,786	0.00%	0.00%							
1A-2	MAINS & HYDRANTS - CO. EXPENSE	424,431	527,000	(102,569)	80.54%	3.33%							
1A-3	MAINS, HYDRANTS & SERVICES - DEPOSIT AGREE.	2,203,299	2,213,802	(10,503)	99.53%	14.00%							
1A-4	MAIN AND SERVICE DEPOSIT REFUNDS OR ALLOW.	2,093,299	1,585,000	508,299	132.07%	10.02%							
1A-5	MAINS & HYDRANTS - REINFORCE/REPLACE	548,822	617,500	(68,678)	88.88%	3.90%							
	TOTAL	5,273,636	4,943,302	330,334	106.68%								
	ENTER LINE 1A-3 AND SUBTRACT	2,203,299	2,213,802	(10,503)									
	TOTAL 1A-1 TO 1A-5	3,070,337	2,729,500	340,837	112.49%								
1B	SERVICES	866,503	852,030	14,473	101.70%	5.39%							
1C	METERS	601,314	643,931	(42,617)	93.38%	4.07%							
2	OFFICE FURNITURE AND EQUIPMENT	144,385	79,850	64,535	180.82%	0.50%							
3	TRANSPORTATION EQUIPMENT	208,595	203,700	4,895	102.40%	1.29%							
4	GENERAL EQUIPMENT	178,402	190,400	(11,998)	93.70%	1.20%							
5	MISCELLANEOUS	133,474	189,550	(56,076)	70.42%	1.20%							
	TOTAL 1A-1 TO 5 Less Item 1A-1	5,203,008	4,888,961	314,047	106.42%								
BUDGET PROJECTS													
90-06	KRS CHEMICAL FEED BUILDING	2,368,061	2,237,000	111,061	104.92%	14.27%	3,379,621	4,175,000	(795,379)	Mar-90	Dec-90	Jan-90	May-96
90-07	INSTALL 17,500' OF 20" IN SOUTH END	40,730	100,055	(59,325)	40.71%	0.63%				Mar-90	Dec-90	Feb-90	Jun-97
90-15	JACKS CREEK PIKE 24"	(4,373)	0	(4,373)		0.00%				Jan-90	May-91	Jan-90	Aug-94
91-01	3.0 MG PUMPED STORAGE CLAYS MILL ROAD	2,535,334	2,810,500	(275,166)	90.21%	17.77%				Feb-91	Dec-91	May-91	Mar-96
91-05	DESIGN AND RENOVATE OFFICE COMPLEX	31,286	51,000	(19,714)	61.34%	0.32%				1991	1995	Apr-91	Mar-96
92-12	DEVELOP OHIO RIVER SUPPLY	0	527,100	(527,100)	0.00%	3.33%				Jul-92	Dec-94	Sep-92	Dec-95
93-01	INSTALL MAIN IN BRYAN STATION PIKE	347,218	360,000	(12,782)	96.45%	2.28%	347,218	360,000	(12,782)	Sep-93	Dec-94	Apr-95	Dec-95
93-02	KRS CHEMICAL FEED BUILDING NO. 2 IMPROVEMENTS	252,131	370,000	(117,869)	68.14%	2.34%				1993	1996	Jul-94	Sep-96
95-01	BOOSTER STATION AT WINCHESTER ROAD	0	250,000	(250,000)	0.00%	1.58%				Mar-95	Aug-95	Apr-95	Sep-96
95-02	16,100' OF 12" HALEY PIKE	191,757	250,000	(58,243)	76.70%	1.58%				Mar-95	Jun-96	Apr-95	Sep-96
95-03	7,760' OF 12" US 25 IN SCOTT COUNTY	322,950	330,000	(7,050)	97.86%	2.09%	322,950	330,000	(7,050)	Mar-95	Oct-95	Apr-95	Nov-95
95-04	3,600' OF 16" IN ESPLANADE	473,478	575,000	(101,522)	82.34%	3.64%	473,478	575,000	(101,522)	Feb-95	Oct-95	Apr-95	Sep-95
95-05	RUSSELL CAVE TANK LAND PURCHASE	317	120,000	(119,683)	0.26%	0.76%				Mar-95	Nov-95	Apr-95	Sep-96
95-06	LAND PURCHASE/SLUDGE REMOVAL	28,175	30,000	(1,825)	93.92%	0.19%				Mar-95	Dec-95	Mar-95	Sep-96
95-07	CUSTOMER SERVICE OPTICAL CONVERSION	158,676	160,000	(1,324)	99.17%	1.01%	158,676	160,000	(1,324)	Mar-95	Apr-95	Feb-95	Sep-96
95-08	UPDATE TELEPHONE SYSTEM	120,726	122,000	(1,274)	98.96%	0.77%	120,726	122,000	(1,274)	Apr-95	Apr-95	Jan-95	Nov-95
95-09	KRS ACCESS ROAD	0	100,000	(100,000)	0.00%	0.63%				Mar-95	Nov-95	Mar-95	Sep-96
95-10	JACOBSON RESERVOIR SPILLWAY IMPROVEMENTS	337,255	300,000	37,255	112.42%	1.90%	337,255	300,000	37,255	Aug-95	Nov-95	Oct-95	Dec-95
95-11	ZEBRA MUSSEL PREVENTION	31,051	0	31,051		0.00%				Sep-95	Apr-96	Dec-95	Aug-96
95-12	SCOTT COUNTY MAIN EXTENSIONS	206,181	0	206,181		0.00%				Oct-95	Jun-96	Nov-95	Dec-96
	GRAND TOTAL BUDGET PROJECTS	12,643,959	13,601,616	(957,657)	92.96%								

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KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES - FOR THE YEAR 1995

	INVESTMENT PROJECTS	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START		END	
					START	END	START	END		
93-01	INSTALL MAIN IN BRYAN STATION PIKE	Project delayed by KYDOT	347,218	360,000	9193	12194	4/95	12/95		
95-01	BOOSTER STATION AT WINCHESTER ROAD	Project cancelled	0	250,000	3195	8195	4/95	11/95		
95-03	7,700' OF 12" US 25 IN SCOTTCOUNTY		322,950	330,000	3195	10195	4/95	9/95		
95-04	3,600' OF 16" IN ESPLANADE	Favorable proposals received	473,478	575,000	2195	10195	2/95	12/95		
95-07	CUSTOMER SERVICE OPTICAL CONVERSION		158,676	160,000	3195	4195	1/95	11/95		
95-08	UPDATE TELEPHONE SYSTEM		120,726	122,000	4195	4195	10/95	12/95		
95-10	JACOBSON RESERVOIR SPILLWAY IMPROVEMENTS		337,255	300,000	8/95	11195				
	GRAND TOTAL COMPLETED BPS		\$1,760,303	\$2,097,000						

As of 1994

If Filing: Original Updated Revised
paper Reference No(s):

Schedule 1
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Witness Responsible
Linda Bridwell

Item	Description	Annual Actual	Annual Original Budget	Variance Dollars	Variance Percent	Percent of Budget	Total Actual Project Cost	Total Budget Project Cost	Variance	Date Original Budget Start	Date Original Budget End	Date Actual Start	Date Actual End
1A-1	ITEMS 1A-2 TO 5 IN PROGRESS	\$92,400	\$0	\$92,400		0.00%							
1A-2	MAINS & HYDRANTS - CO. EXPENSE	458,815	554,000	(95,185)	82.82%	5.00%							
1A-3	MAINS, HYDRANTS & SERVICES -DEPOSIT AGREE.	2,884,475	2,386,500	497,975	120.87%	21.54%							
1A-4	MAIN AND SERVICE DEPOSIT REFUNDS OR ALLOW.	1,287,792	1,334,922	(47,130)	96.47%	12.05%							
1A-5	MAINS & HYDRANTS - REINFORCE/REPLACE	483,309	307,000	176,309	157.43%	2.77%							
	TOTAL	5,206,792	4,582,422	624,370	113.63%								
	ENTER LINE 1A-3 AND SUBTRACT	2,884,475	2,386,500	497,975									
	TOTAL 1A-1 TO 1A-5	2,322,317	2,195,922	126,395	103.76%								
1B	SERVICES	812,746	846,450	(33,704)	96.02%	7.64%							
1C	METERS	546,870	610,748	(63,878)	89.54%	5.51%							
2	OFFICE FURNITURE AND EQUIPMENT	130,327	72,800	57,527	179.02%	0.66%							
3	TRANSPORTATION EQUIPMENT	154,535	202,000	(47,465)	76.50%	1.82%							
4	GENERAL EQUIPMENT	219,062	207,970	11,142	105.36%	1.88%							
5	MISCELLANEOUS	149,310	125,500	23,810	118.97%	1.13%							
	TOTAL 1A-1 TO 5 Less Item 1A-1	4,335,167	4,261,340	73,827	101.73%								
BUDGET PROJECTS													
90-06	KRS CHEMICAL FEED BUILDING	79,381	358,000	(278,619)	22.17%	3.23%				Feb-90	Dec-91	Jan-90	May-96
90-07	INSTALL 17,500' OF 20" IN SOUTH END	0	0	0	0.00%	0.00%				Mar-90	Dec-90	Feb-90	Jun-97
90-15	INSTALL MAIN IN JACKS CREEK PIKE	2,466,364	1,904,669	561,695	129.49%	17.19%	3,379,621	4,175,000	(795,379)	Jan-90	May-91	Jan-90	Aug-94
91-01	3.0 MG PUMPED STORAGE CLAYS MILL ROAD	117,461	782,500	(665,039)	15.01%	7.06%				Feb-91	Dec-91	May-91	Mar-96
91-05	DESIGN AND RENOVATE OFFICE COMPLEX	0	0	0	0.00%	0.00%				1991	1995	Apr-91	Mar-96
92-02	VIRGINIA AVENUE RELOCATION	0	0	0	0.00%	0.00%				Jun-92	Dec-92	Oct-92	Dec-94
92-06	COMPUTER AIDED DRAFTING SYSTEM	110,871	75,000	35,871	147.83%	0.68%	215,126	91,000	124,126	Oct-92	Nov-92	Sep-92	Dec-94
92-12	DEVELOP OHIO RIVER SUPPLY	36,447	660,000	(623,553)	5.52%	5.96%				Jul-92	Dec-96	Sep-92	Dec-95
93-01	INSTALL MAIN IN BRYAN STATION ROAD	0	0	0	0.00%	0.00%				Sep-93	Dec-94	Apr-95	Sep-96
93-02	KRS CHEMICAL BUILDING NO. 2 IMPROVEMENTS	24,971	0	24,971		0.00%	17,381	30,000	(12,619)	1993	1996	Jul-94	Jul-94
93-03	LAKE ELLERLIE DAM STABILITY STUDY	17,381	0	17,381		0.00%	204,196	230,000	(25,804)	Aug-93	Oct-93	Mar-94	Jul-94
94-01	GAC FILTERS	204,196	230,000	(25,804)	88.78%	2.08%	263,392	275,000	(11,608)	Jan-94	Mar-94	Feb-94	Mar-94
94-02	LOUDEN AVENUE	263,392	275,000	(11,608)	95.78%	2.48%	149,621	148,000	1,621	Jan-94	Apr-94	Feb-94	Jun-94
94-05	FIFTH AND ROSE ST. IMPROVEMENTS	149,621	148,000	1,621	101.10%	1.34%	148,000	148,000	0	May-94	Dec-94	Jun-94	Nov-94
	GRAND TOTAL BUDGET PROJECTS	7,805,253	8,694,509	(889,256)	89.77%								

**KENTUCKY AMERICAN WATER - COMPARISON OF ACTUAL VS. BUDGETED CONSTRUCTION EXPENDITURES -
FOR THE YEAR 1994**

	EXPLANATION	ACTUAL PROJECT COST	ORIGINAL INVESTMENT PROJECT COST	ORIGINAL BUDGET		START	END
				START	END		
90-15	INSTALL MAIN IN JACKS CREEK PIKE	3,379,621	4,175,000	1/90	5/91	1/90	8/94
92-06	COMPUTER AIDED DRAFTING SYSTEM	215,126	91,000	10/92	11/92	10/92	12/94
93-03	LAKE ELLERSLIE DAM STABILITY STUDY	17,381	30,000	8/93	10/93	3/94	7/94
94-01	GAC FILTERS	204,196	230,000	1/94	3/94	2/94	3/94
94-02	INSTALL 16" IN LOUDEN AVENUE	263,392	275,000	1/94	4/94	2/94	6/94
94-03	FIFTH AND ROSE STREET IMPROVEMENTS	149,621	148,000	5/94	12/94	6/94	11/94
	GRAND TOTAL COMPLETED BPS	\$4,229,337	\$4,949,000				