

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Melissa L. Schwarzell**

78. State the effect of the termination of the billing services contract(s) on Kentucky-American's requested revenue requirement and the average customer bills. Provide all work papers, show all calculations, and state assumptions used to derive the effect.

Response:

The impact of the termination of the billing services contracts on Kentucky American's revenue requirement is an approximate reduction of \$254,625. This reduction is due to avoided capital spending for SAP customized programming, generation of usage data revenue, generation of third party shut-off revenue, and elimination of the labor position associated with managing the billing contract.

Present rate utility operating income, however, is lower due to the loss of revenues collected for others. As a consequence, the proposed average residential customer bill of \$38.51 (per Exhibit 37 N) is approximately \$0.90 higher than it would be without the termination of third party billing contracts.

Please see the attached files for the calculations and work papers supporting this information request. Key assumptions include avoidance of approximately \$750,000 in business transformation capital going into service May 2013 (presumed to depreciate at the requested 10% rate, rather than the current authorized 20% rate), loss of all forecasted miscellaneous service revenue with the exception of property tax credits, reinstatement of the labor position formerly assigned to billing contract management, and 1% annual growth of the most recent full year of billing contract revenues.

Kentucky American Water

Case No 2012-00520, Commission Staff's 2nd Information Request, Question 78

Revenue Requirement & Average Customer Bill Impact of Termination of Billing Services

Line	Item	Case No. 2012 -		
		Case No. 2012-00520	If Billing Contract Still in Place	Variance Due to Discontinuation
1	Revenues at Present Rates	\$ 84,157,833	\$ 85,777,332	\$ (1,619,499)
2	O&M	33,892,179	33,976,206	(84,027)
3	Gen Tax	5,114,771	5,124,207	(9,436)
4	Depreciation & Amortization	13,331,863	13,406,863	(75,000)
5	Income Tax	7,639,106	8,203,560	(564,454)
6	Utility Operating Income ("UOI") at Present Rates (Line 1 - Lines 2 through 5)	\$ 24,179,914	\$ 25,066,497	\$ (886,583)
7				
8	Rate Base	\$ 385,994,705	\$386,710,309	\$ (715,604)
9	Rate of Return	8.20%	8.20%	
10	Operating Income Required (Line 8 x Line 9)	\$ 31,651,566	\$31,710,245	\$ (58,680)
11				
12	Less UOI at Present Rates	\$ 24,179,914	\$ 25,066,497	\$ (886,583)
13	Deficiency Before Gross-Up (Line 10 - Line 12)	\$ 7,471,652	\$ 6,643,749	\$ 827,903
14				
15	Gross Up	1.648591	1.648591	1.648591
16	Rate Request (Line 13 x Line 15)	\$ 12,317,702	\$ 10,952,827	\$ 1,364,875
17				
18	Revenue Requirement (Line 1 + Line 16)	<u>\$ 96,475,535</u>	<u>\$ 96,730,160</u>	<u>\$ (254,625)</u>
19				
20				
21	Total Variance in Rate Request (Line 16 Variance)	\$ 1,364,875		
22				
23	Approximate Allocation to Residential	89.96%		
24				
25	Impact of Variance to Residential (Line 21 x Line 23)	\$ 1,227,841		
26				
27	Total Residential Revenue Requirement (Schedule M)	\$ 52,378,073		
28				
29	Fraction of Proposed Residential Revenues Related to Variance (Line 25 / Line 27)	2.3%		
30				
31	Average Residential Bill at Proposed Rates (Exhibit N)	\$ 38.51		
32				
33	Average Residential Bill Less Variance Percent (Line 31 x (1-Line 29))	\$ 37.61		
34				
35	Impact to Average Residential Bill (Line 31 - Line 33)	<u>\$ 0.90</u>		

Kentucky American Water Company
Case No. 2012-00520

Jurisdictional Financial Summary for the Base and Forecast Period Detailing Derivation of the Requested Revenue Increase

Exhibit 37, Schedule A
Exhibits\[Revenue Requirement and Conversion Factor.xlsx\Rev Requirement - SCH A
Witness: L. Bridwell

Data: X_Base Period_X_Forecast Period
Version: X_Original_Updated_Revise

Line #		Base Period Ended 3/31/2013	Forecast Period Ended 7/31/2014	Support Schedule Reference	Excel Reference
1					
2	Present Rate Utility Operating Income:				
3					
4	Operating Revenue at Present Rates:	\$ 87,282,760	\$ 85,777,332	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
5					
6	Less: Deductions:				
7	Operating and Maintenance	\$ 33,903,162	\$ 33,976,206	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
8	Depreciation	10,182,567	11,592,623	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
9	Amortization of UPAA	6,421	-	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
10	Amortization Expense	200,598	210,261	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
11	Removal Costs	1,689,625	1,603,978	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
12	State Income Taxes	1,565,573	1,253,559	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
13	Federal Income Taxes	8,680,101	7,034,794	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
14	Investment Tax Credits	(63,597)	(84,792)	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
15	General Taxes:	4,797,323	5,124,207	Exhibit 37 Schedule C-1	Exhibits\[Income Statement.xlsx\Inc Statement - SCH C.1
16	Total Deductions (Sum Lines 7 - 15):	\$ 60,961,773	\$ 60,710,836		
17					
18	Present Rate Operating Income (Line 4 - Line 16):	\$ 26,320,987	\$ 25,066,497		
19					
20					
21					
22	Revenue Requirement and Increase Comparison:				
23					
24	Net Original Cost Rate Base	\$ 374,636,385	\$ 386,710,308	Exhibit 37 Schedule B-1	Exhibits\Rate Base\[K_RB12 - revised.xlsx\Sch B-1
25	Rate of Return	7.83%	8.20%	Exhibit 37 Schedule J-1.1	Exhibits\Capital Structure\[Capital Structure 2012.xlsx\Sch J
26					
27	Operating Income Required (Line 24 x Line 25):	\$ 29,334,029	\$ 31,710,245		
28					
29	Less: Operating Income at Present Rates (Line 18):	\$ 26,320,987	\$ 25,066,497		
30					
31	Increase in Operating Income Required (Line 27 - Line 29)	\$ 3,013,042	\$ 6,643,749		
32					
33	Gross Revenue Conversion Factor	164.8591%	164.8591%	Exhibit 37, Schedule H	Exhibits\[Revenue Requirement and Conversion Factor.xlsx\Rev Conversion Factor - SCH H
34					
35	Requested Revenue Increase (Line 31 x Line 33)	\$ 4,967,275	\$ 10,952,827		
36					
37	Percent Increase over Operating Revenue at Present Rates (Line 35 / Line 4):	5.69%	12.77%		
38					
39	Revenue Requirement (Line 4 + Line 35)	\$ 92,250,035	\$ 96,730,160		
40					

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
RATE BASE SUMMARY
AS OF MARCH 31, 2013

DATA_X_BASE PERIOD ___ FORECASTED PERIOD
TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED

Line No.	Rate Base Component	Supporting Schedule Reference	Base Period	Excel File Location
1				
2	Utility Plant In Service	B-2	\$ 598,439,503	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-2
3	Property Held for Future Use	B-2.6	0	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-2
4	Utility Plant Acquisition Adjustments		0	
5	Accumulated Depreciation	B-3	(128,076,322)	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-3
6				
7	Net Utility Plant In Service		470,363,181	
8				
9				
10				
11				
12				
13				
14				
15	Construction Work in Progress	B-4	16,217,879	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-4
16	Working Capital Allowance	B-5/W/P - 1.13	2,700,000	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-5
17	Other - Working Capital Allowance	B-5 & W/P - 1.5	727,081	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-5
18				
19	Contributions in Aid of Construction	B-6	(52,036,709)	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
20	Customer Advances	B-6	(13,545,381)	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
21	Deferred Income Taxes	B-6	(55,280,935)	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
22	Deferred Investment Tax Credits	B-6	(61,653)	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
23	Deferred Maintenance	W/P-1.10	3,226,606	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
24	Deferred Debits	W/P-1.11	1,583,971	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
25	Other Rate Base Elements	W/P-1.12	799,176	Exhibits\Rate Base\K_RB12 - revised.xls\Sch B-6
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45	Jurisdictional Rate Base		\$374,633,216	

EXHIBIT 37, SCHEDULE B-1
Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-1
PAGE 2 OF 2
Witness Responsible L Birdwell

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
RATE BASE SUMMARY
AS OF JULY 31, 2014

DATA: ___BASE PERIOD ___X_ FORECASTED PERIOD
TYPE OF FILING: ___X_ ORIGINAL ___ UPDATED ___ REVISED

Line No.	Rate Base Component	Supporting Schedule Reference	End of Period Amount	13 Month Avg Forecasted Period Amount	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-2
1					
2	Utility Plant In Service	B-2	\$638,001,317	\$628,290,378	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-2
3	Property Held for Future Use	B-2.6	0	0	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-2
4	Utility Plant Acquisition Adjustments			0	
5	Accumulated Depreciation	B-3	(140,131,466)	(136,664,385)	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-3
6					
7					
8					
9					
10					
11	Net Utility Plant In Service		497,869,851	491,625,993	
12					
13					
14					
15	Construction Work in Progress	B-4	5,769,198	6,851,268	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-4
16	Working Capital Allowance	B-5/W/P-1.13	4,071,000	4,071,000	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-5
17	Other Working Capital Allowance	B-5 & W/P-1.5	727,081	727,081	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-5
18					
19	Contributions in Aid of Construction	B-6	(52,303,874)	(52,238,690)	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-6
20	Customer Advances	B-6	(14,239,381)	(13,997,843)	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-6
21	Deferred Income Taxes	B-6	(59,533,946)	(57,403,941)	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-6
22	Deferred Investment Tax Credits	B-6	(51,450)	(51,276)	Exhibits(Rate Base)(K_RB12 - revised.xls)Sch B-6
23	Deferred Maintenance	W/P-1.10	5,061,367	4,644,233	Exhibits(Rate Base)(2012 Rate Case Deferred Maintenance 10.xls)Schedule - rate base
24	Deferred Debits	W/P-1.11	1,507,864	1,536,404	Exhibits(Rate Base)(2012 Rate Case Deferred Debits.xls)summary
25	Other Rate Base Elements	W/P-1.12	562,831	650,081	Exhibits(Rate Base)(Other Rate Base.xls)Schedule
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45	Judicial Rate Base		\$389,440,541	\$386,710,309	

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PLANT IN SERVICE BY MAJOR GROUPING
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 1 of 2
Witness Responsible: L. Bridwell

DATA: X_ BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	Major Property Grouping	Base Period	Jurisdictional Percent	Jurisdictional	Adjustment	End of Period Adjusted Jurisdiction
2						
3		\$	100%	\$ 822,748	-	\$ 822,748
4	Intangibles	822,748				
5	Source of Supply and Pumping	82,748,104		82,748,104	-	82,748,104
6	Water Treatment	80,919,530		80,919,530	-	80,919,530
7	Transmission and Distribution	392,376,746		392,376,746	-	392,376,746
8	General	41,572,375		41,572,375	-	41,572,375
9	Completed Construction not Classified					
10						
11						
12						
13						
14						
15	Other					
16	Total	\$ 598,439,503		\$ 598,439,503	\$ -	\$ 598,439,503
17						

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PLANT IN SERVICE BY MAJOR GROUPING
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 2
Witness Responsible L. Bridwell

DATA: ___ BASE PERIOD ___X_ FORECASTED PERIOD
TYPE OF FILING: ___X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	Major Property Grouping	Forecasted Period	Jurisdictional Percent	Jurisdictional	Adjustments	End of Period Adjusted Jurisdiction	13 Month Average
1	Intangibles	\$ 907,887	100%	\$ 907,887	-	\$ 907,887	\$ 884,533
2							
3	Source of Supply and Pumping	85,131,183		85,131,183	-	85,131,183	84,914,109
4							
5	Water Treatment	78,801,751		78,801,751	-	78,801,751	80,555,186
6							
7	Transmission and Distribution	421,142,367		421,142,367	-	421,142,367	411,062,692
8							
9	General	52,018,129		52,018,129	-	52,018,129	50,873,859
10							
11	Completed Construction not Classified	-		-	-	-	-
12							
13	Other	-		-	-	-	-
14							
15		\$ 638,001,317		\$ 638,001,317	-	\$ 638,001,317	\$ 628,290,378

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PLANT IN SERVICE BY ACCOUNTS AND SUBACCOUNTS
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.1
Exhibits\Rate Base\K_RB12 -revised.xlsx\Sch B-2
PAGE 1 of 4
Witness Responsible: L. Bridwell

DATA: X_ BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NARC 96 Acct No.	Account Title	Base Period	Jurisdictional Percent	Jurisdictional	Adjustment	Adjusted Jurisdictional
2		Intangible Plant					
3		Organization	\$ 37,450		\$ 37,450	-	\$ 37,450
4	301.1	Franchise/Consents	70,261	100%	70,261	-	70,261
5	302.1	Other Plant & Equip Intangible	715,036		715,036	-	715,036
6	339.1						
7		Total Intangibles	\$ 822,747		\$ 822,747	-	\$ 822,747
8							
9		Source of Supply and Pumping Plant					
10	303.2	Land and Land Rights - SS	\$ 1,273,329		\$ 1,273,329	-	\$ 1,273,329
11	304.2	Structures and Improvements SS	16,587,771		16,587,771	-	16,587,771
12	305.2	Collecting and Impounding Reservoirs	990,279		990,279	-	990,279
13	306.2	Lake, River and Other Intakes	7,286,518		7,286,518	-	7,286,518
14	307.2	Wells and Springs	-		-	-	-
15	308.2	Infiltration Galleries & Tunnels	-		-	-	-
16	309.2	Supply Mains	27,882,369		27,882,369	-	27,882,369
17	310.2	Power Generation Equip	3,385,668		3,385,668	-	3,385,668
18	311.2	Pumping Equipment SS	25,342,171		25,342,171	-	25,342,171
19	312.2	Other Plant & Equip SS	-		-	-	-
20	339.2						
21		Total Source of Supply & Pumping	\$ 82,748,104		\$ 82,748,104	-	\$ 82,748,104
22							
23		Water Treatment Plant					
24	303.3	Land and Land Rights	\$ 800,183		800,183	-	800,183
25	304.3	Structures and Improvements	26,023,192		26,023,192	-	26,023,192
26	311.3	Pumping Equipment WT	-		-	-	-
27	320.3	Water Treatment Equipment	54,096,155		54,096,155	-	54,096,155
28	339.3	Other Plant & Equip WT	-		-	-	-
29		Total Water Treatment	\$ 80,919,530		\$ 80,919,530	-	\$ 80,919,530
30							
31		Transmission and Distribution Plant					
32		Land and Land Rights TD	\$ 7,473,931		7,473,931	-	7,473,931
33	303.4	Struct & Improve TD	915,117		915,117	-	915,117
34	304.4	Pumping Equipment TD	98,403		98,403	-	98,403
35	311.4	Dist Reservoirs & Standpipes	18,048,685		18,048,685	-	18,048,685
36	330.4	TD Mains	260,769,804		260,769,804	-	260,769,804
37	331.4	Services	48,339,231		48,339,231	-	48,339,231
38	333.4	Meters & Meter Installations	42,777,162		42,777,162	-	42,777,162
39	334.4	Hydrants	13,954,412		13,954,412	-	13,954,412
40	335.4	Backflow Prevention Devices	-		-	-	-
41	336.4	Other Plant & Equip TD	-		-	-	-
42	339.4						
43		Total Transmission and Distribution	\$ 392,376,746		\$ 392,376,746	-	\$ 392,376,746
44							
45							

KENTUCKY AMERICAN WATER COMPANY
Case No. 201200520
PLANT IN SERVICE BY ACCOUNTS AND SUBACCOUNTS
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.1
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 of 4
Witness Responsible: L. Bridwell

DATA: _X_ BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: _X_ ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NAIUC 96 Acct No.	Account Title	Base Period	Jurisdictional Percent	Jurisdictional	Adjustment	Adjusted Jurisdictional
1							
2							
3							
4	303.5	General Plant	\$ -	100%	\$ -	\$ -	\$ -
5	304.5	Land & Land Rights AG	13,269,957		13,269,957		13,269,957
6	340.5	Struct & Improve AG	12,834,879		12,834,879		12,834,879
7	341.5	Office Furniture and Equipment	4,580,168		4,580,168		4,580,168
8	342.5	Transportation Equipment	37,878		37,878		37,878
9	343.5	Stores Equipment	2,321,550		2,321,550		2,321,550
10	344.5	Tools, Shop and Garage Equipment	1,291,690		1,291,690		1,291,690
11	345.5	Laboratory Equipment	1,456,342		1,456,342		1,456,342
12	346.5	Power Operated Equipment	4,122,555		4,122,555		4,122,555
13	347.5	Communication Equipment	1,291,052		1,291,052		1,291,052
14	348.5	Miscellaneous Equipment	366,304		366,304		366,304
15		Other Tangible Property					
16		Total General	\$ 41,572,375		\$ 41,572,375		\$ 41,572,375
17							
18							
19							
20		Total Utility Plant in Service	\$ 598,439,503		\$ 598,439,503		\$ 598,439,503

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PLANT IN SERVICE BY ACCOUNTS AND SUBACCOUNTS
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.1
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 3 of 4
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NARUC 96 Acct No.	Account Title	Forecasted	Jurisdictional Percent	Jurisdictional	Adjustment	Adjusted Jurisdiction	13 Month Average
1								
2								
3		<u>Intangible Plant</u>						
4	301.1	Organization	\$ 37,450	100%	\$ 37,450	\$ -	\$ 37,450	\$ 37,450
5	302.1	Franchise/Consents	70,261		70,261	-	70,261	70,261
6	339.1	Other Plant & Equip Intangible	800,175		800,175	-	800,175	776,822
7								
8		Total Intangibles	\$ 907,887		\$ 907,887	\$ -	\$ 907,887	\$ 884,533
9								
10		<u>Source of Supply and Pumping Plant</u>						
11	303.2	Land and Land Rights - SS	1,273,329		1,273,329	\$ -	1,273,329	\$ 1,273,329
12	304.2	Structures and Improvements - SS	16,545,394		16,545,394	-	16,545,394	16,561,285
13	305.2	Collecting and Impounding Reservoirs	984,638		984,638	-	984,638	986,753
14	306.2	Lake, River and Other Intakes	7,528,004		7,528,004	-	7,528,004	7,449,191
15	307.2	Wells and Springs	-		-	-	-	-
16	308.2	Infiltration Galleries & Tunnels	-		-	-	-	-
17	309.2	Supply Mains	27,882,185		27,882,185	-	27,882,185	27,882,254
18	310.2	Power Generation Equip	3,368,396		3,368,396	-	3,368,396	3,374,873
19	311.2	Power Equipment SS	27,549,237		27,549,237	-	27,549,237	27,386,423
20	339.2	Other Plant & Equip SS	-		-	-	-	-
21								
22		Total Source of Supply & Pumping	\$ 85,131,183		\$ 85,131,183	\$ -	\$ 85,131,183	\$ 84,914,109
23								
24		<u>Water Treatment Plant</u>						
25	303.3	Land and Land Rights WT	800,183		800,183	-	800,183	800,183
26	304.3	Structures and Improvements WT	26,605,774		26,605,774	-	26,605,774	26,418,624
27	311.3	Pumping Equipment WT	-		-	-	-	-
28	320.3	Water Treatment Equipment	51,157,830		51,157,830	-	51,157,830	53,098,607
29	339.3	Other Plant & Equip WT	237,964		237,964	-	237,964	237,772
30								
31		Total Water Treatment	\$ 78,801,751		\$ 78,801,751	\$ -	\$ 78,801,751	\$ 80,555,186
32								
33		<u>Transmission and Distribution Plant</u>						
34	303.4	Land and Land Rights TD	7,825,600		7,825,600	-	7,825,600	7,692,948
35	304.4	Structures and Improvements TD	895,487		895,487	-	895,487	909,077
36	311.4	Pumping Equipment TD	405,423		405,423	-	405,423	285,667
37	330.4	Dist Reservoirs & Stoppes	20,970,116		20,970,116	-	20,970,116	20,019,110
38	331.4	TD Mains	277,853,115		277,853,115	-	277,853,115	272,093,339
39	333.4	Services	51,206,855		51,206,855	-	51,206,855	50,133,322
40	334.4	Meters & Meter Installations	47,121,712		47,121,712	-	47,121,712	45,375,795
41	335.4	Hydrants	14,864,060		14,864,060	-	14,864,060	14,553,433
42	336.4	Backflow Prevention Devices	-		-	-	-	-
43	339.4	Other Plant & Equip TD	-		-	-	-	-
44								
45		Total Transmission and Distribution	\$ 421,142,368		\$ 421,142,368	\$ -	\$ 421,142,368	\$ 411,062,692

KENTUCKY AMERICAN WATER COMPANY
Case No. 2012-00520
PLANT IN SERVICE BY ACCOUNTS AND SUBACCOUNTS
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.1
Exhibits\Rate Base\K_RB12 - revised.xlsx Sch B-2
PAGE 4 of 4
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X_ FORECASTED PERIOD
TYPE OF FILING: ___X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NARUC 96 Acct No.	Account Title	Forecasted	Forecasted Jurisdictional Percent	Jurisdictional	Adjustment	Adjusted Jurisdiction	13 Month Average
1								
2								
3								
4	303.5	General Plant	\$ -	100%	-	-	-	\$ -
5	304.5	Land & Land Rights AG	13,487,374		13,487,374	-	13,487,374	13,465,928
6	340.5	Structures and Improvements AG	19,993,738		19,993,738	-	19,993,738	19,850,281
7	341.5	Office Furniture and Equipment	5,006,543		5,006,543	-	5,006,543	4,765,360
8	342.5	Transportation Equipment	37,264		37,264	-	37,264	37,494
9	343.5	Stores Equipment	2,853,785		2,853,785	-	2,853,785	2,635,323
10	344.5	Tools, Shop and Garage Equipment	1,249,386		1,249,386	-	1,249,386	1,265,250
11	345.5	Laboratory Equipment	1,430,911		1,430,911	-	1,430,911	1,440,950
12	346.5	Power Operated Equipment	6,067,265		6,067,265	-	6,067,265	5,515,924
13	347.5	Communication Equipment	1,510,536		1,510,536	-	1,510,536	1,520,141
14	348.5	Miscellaneous Equipment	381,329		381,329	-	381,329	377,207
15		Other Tangible Property						
16		Total General	\$ 52,018,129		\$ 52,018,131	\$ -	\$ 52,018,131	\$ 50,875,859
17								
18								
19		Total Utility Plant in Service	\$ 638,001,317		\$ 638,001,319	\$ -	\$ 638,001,319	\$ 628,290,378

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPOSED ADJUSTMENTS TO PLANT IN SERVICE
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 1 OF 2
Witness Responsible: L. Birdwell

DATA: X, BASE PERIOD, FORECASTED PERIOD
TYPE OF FILING: X, ORIGINAL, UPDATED, REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	Acct No.	Account Title	Total Company Adjustment	Jurisdictional Percent	Jurisdictional Adjustment	Workpaper Reference Number	Description/Purpose of Adjustment
1							
2							
3							
4							
5							
6							
7							
8							

Not Applicable

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPOSED ADJUSTMENTS TO PLANT IN SERVICE
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 2
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Acct No.	Account Title	Total Company Adjustment	Jurisdictional Percent	Jurisdictional Adjustment	Workpaper Reference Number	Description/Purpose of Adjustment
1							
2							
3							
4							
5							
6							

Not Applicable

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
GROSS ADDITIONS, RETIREMENTS AND TRANSFERS
APRIL 2012 TO MARCH 2013

EXHIBIT 37, SCHEDULE B-2.3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 1 OF 4
Witness Responsible: L. Bridwell

DATA: X_ BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NARUC 96 Acct No.	Account Title	Base Period		Retirements	Additions	Amount	Transfers/Reclassifications Explanation	Other Accts Involved	Base Period
			Beginning Balance	Ending Balance						
1										
2										
3		Intangible Plant								
4	301.1	Organization	\$ 37,450	\$ -	\$ -	\$ -				\$ 37,450
5	302.1	Franchise/Consents	70,261	-	-	-				70,261
6	339.1	Other Plant & Equip Intangible	553,011	400,277	-	(238,252)	reclassification of business Transformation			715,036
7										
8		Total Intangibles	\$ 660,723	\$ 400,277	\$ -	\$ (238,252)				\$ 822,748
9										
10		Source of Supply and Pumping Plant								
11	303.2	Land and Land Rights - SS	\$ 1,273,329	\$ (0)	\$ -	\$ -				\$ 1,273,329
12	304.2	Structures and Improvements SS	16,596,113	7,549	15,891	-				16,587,771
13	305.2	Collecting and Impounding Reservoirs	995,930	-	5,651	-				990,279
14	306.2	Lake, River and Other Intakes	7,162,526	125,321	1,329	-				7,286,518
15	307.2	Wells and Springs	-	-	-	-				-
16	308.2	Infiltration Galleries & Tunnels	-	-	-	-				-
17	309.2	Supply Mains	27,879,819	2,640	90	-				27,882,369
18	310.2	Power Generation Equipment	3,400,049	37	14,418	-				3,385,668
19	311.2	Pumping Equipment SS	24,982,212	495,996	136,037	-				25,342,171
20	339.2	Other Plant & Equipment SS	-	-	-	-				-
21										
22		Total Source of Supply & Pumping	\$ 82,289,979	\$ 631,542	\$ 173,416	\$ -				\$ 82,748,104
23										
24		Water Treatment Plant								
25	303.3	Land and Land Rights WT	\$ 800,183	\$ -	\$ -	\$ -				\$ 800,183
26	304.3	Structures and Improvements WT	25,706,593	349,303	32,704	-				26,023,192
27	311.3	Pumping Equipment WT	-	-	-	-				-
28	320.3	Water Treatment Equipment	54,710,238	93,260	707,343	-				54,096,155
29	339.3	Other Plant & Equipment WT	-	-	-	-				-
30										
31		Total Water Treatment	\$ 81,217,014	\$ 442,563	\$ 740,047	\$ -				\$ 80,919,530
32										
33		Transmission and Distribution Plant								
34	303.4	Land and Land Rights TD	\$ 7,528,724	\$ (54,793)	\$ -	\$ -				\$ 7,473,931
35	304.4	Structures and Improvements TD	910,025	5,093	-	-				915,117
36	311.4	Pumping Equipment TD	129,682	(3,115)	28,164	-				98,403
37	330.4	Dist Reservoirs & Standpipes	17,281,137	795,670	28,121	-				18,048,685
38	331.4	TD Mains	253,452,749	7,377,529	60,474	-				260,769,804
39	333.4	Services	46,157,427	2,467,394	285,590	-				48,339,231
40	334.4	Meter & Meter Installations	38,434,285	4,883,319	540,442	-				42,777,162
41	335.4	Hydrants	13,231,403	731,450	8,442	-				13,954,412
42	336.4	Backflow Prevention Devices	-	-	-	-				-
43	339.4	Other Plant & Equip TD	-	-	-	-				-
44										
45		Total Transmission and Distribution	\$ 377,125,431	\$ 16,202,547	\$ 951,233	\$ -				\$ 392,376,746

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
GROSS ADDITIONS, RETIREMENTS AND TRANSFERS
APRIL 2012 TO MARCH 2013

EXHIBIT 37, SCHEDULE B-2.3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 4
Witness Responsible: L. Bridwell

DATA: X_ BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	NARUC 96 Acct No.	Account Title	Base Period		Retirements	Additions	Amount	Transfers/Reclassifications Explanation	Other Accts Involved	Base Period
			Beginning Balance	Ending Balance						
1										
2										
3										
4	303.5	General Plant	\$ 13,241,922	\$ -	\$ -	\$ -	\$ -			\$ -
5	304.5	Land & Land Rights AG	7,889,427	34,055	720,669	62,090	238,252	reclassification of Business Transformation		13,269,957
6	340.5	Structures and Improvements AG	4,627,078	5,427,869	567,010	5,427,869				12,834,879
7	341.5	Office Furniture and Equipment	38,109	0	230	520,100				4,580,168
8	342.5	Transportation Equipment	2,100,786	0	4,061	224,826				37,878
9	343.5	Stores Equipment	1,300,394	7,160	15,864	224,826				2,321,550
10	344.5	Tools, Shop and Garage Equipment	1,495,496	(27,590)	11,563	7,160				1,291,690
11	345.5	Laboratory Equipment	3,563,297	594,222	34,964	(27,590)				1,456,342
12	346.5	Power Operated Equipment	1,277,811	20,209	6,967	594,222				4,122,555
13	347.5	Communication Equipment	138,485	227,819	-	20,209				1,291,052
14	348.5	Miscellaneous Equipment								366,304
15		Other Tangible Property								
16		Total General	\$ 35,672,804	\$ 7,056,704	\$ 1,395,383	\$ 238,252				\$ 41,572,376
17										
18										
19		Total Utility Plant in Service	\$ 576,965,950	\$ 24,733,632	\$ 3,260,079	\$ -				\$ 598,439,504

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
GROSS ADDITIONS, RETIREMENTS AND TRANSFERS
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-2.3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 3 OF 4
Witness Responsible: L. Bridwell

DATA: ___BASE PERIOD___X___FORECASTED PERIOD
TYPE OF FILING: ___X___ORIGINAL___UPDATED___REVISED
WORKPAPER REFERENCE NO(S): W/P-1-1

Line No.	NARUC 96 Acct No.	Account Title	Beginning Balance	Additions	Retirements	Amount	Transfers/Reclassifications	Other Accts Involved	For. Period Ending Balance	13 Month Average
1										
2										
3										
4	301.1	Intangible Plant	\$ 37,450	\$ -	\$ -	\$ -			\$ 37,450	\$ 37,450
5	302.1	Organization	70,261	-	-	-			70,261	70,261
6	339.1	Franchise/Consents	764,458	35,717	-	-			800,175	776,822
7		Other Plant & Equip Intangibles								
8		Total Intangibles	\$ 872,170	\$ 35,717	\$ -	\$ -			\$ 907,887	\$ 884,533
9										
10										
11	303.2	Source of Supply and Pumping Plant	\$ 1,273,329	\$ -	\$ -	\$ -			\$ 1,273,329	\$ 1,273,329
12	304.2	Land and Land Rights - SS	16,577,177	-	-	-			16,545,394	16,561,285
13	305.2	Structures and Improvements SS	988,869	-	31,783	-			984,638	986,753
14	306.2	Collecting and Impounding Reservoirs	4,231	-	2,659	-			7,528,004	7,449,191
15	307.2	Lake, River and Other Intakes	7,228,496	202,166	-	-				
16	308.2	Wells and Springs	-	-	-	-				
17	309.2	Infiltration Galleries & Tunnels	-	-	-	-				
18	310.2	Supply Mains	27,882,323	-	138	-			27,882,185	27,882,254
19	311.2	Power Generation Equipment	3,381,350	-	12,954	-			3,368,396	3,374,873
20	312.2	Pumping Equipment SS	27,068,946	622,863	142,571	-			27,549,237	27,386,423
21	339.2	Other Plant & Equipment SS								
22		Total Source of Supply & Pumping	\$ 84,500,489	\$ 825,029	\$ 194,335	\$ -			\$ 85,131,183	\$ 84,914,109
23										
24										
25	303.3	Water Treatment Plant	\$ 800,183	\$ -	\$ -	\$ -			\$ 800,183	\$ 800,183
26	304.3	Land and Land Rights WT	26,119,789	539,110	53,125	-			26,605,774	26,418,624
27	311.3	Structures and Improvements WT	-	-	-	-			-	-
28	320.3	Pumping Equipment WT	54,004,098	134,777	2,981,046	-			51,157,830	53,098,607
29	339.3	Water Treatment Equipment	235,464	2,500	-	-			237,964	237,772
30		Other Plant & Equipment WT								
31		Total Water Treatment	\$ 81,159,535	\$ 676,387	\$ 3,034,171	\$ -			\$ 78,801,751	\$ 80,555,186
32										
33										
34	303.4	Transmission and Distribution Plant	\$ 7,473,931	\$ 362,863	\$ 11,194	\$ -			\$ 7,825,600	\$ 7,692,948
35	304.4	Land and Land Rights TD	915,117	-	19,630	-			895,487	909,077
36	311.4	Structures and Improvements TD	91,277	335,524	21,378	-			405,423	285,667
37	330.4	Pumping Equipment TD	18,072,103	3,490,015	592,002	-			20,970,116	20,019,110
38	331.4	Dist Reservoirs & Standpipes	263,503,623	14,450,024	100,532	-			277,853,115	272,093,339
39	333.4	TD Mains	49,148,100	2,276,071	217,316	-			51,206,855	50,133,322
40	334.4	Services	44,728,207	3,305,401	911,897	-			47,121,712	45,375,795
41	335.4	Meter & Meter Installations	14,192,117	680,352	8,409	-			14,864,060	14,553,433
42	336.4	Hydrants	-	-	-	-			-	-
43	339.4	Backflow Prevention Devices	-	-	-	-			-	-
44		Other Plant & Equip TD								
45		Total Transmission and Distribution	\$ 398,124,474	\$ 24,900,250	\$ 1,882,358	\$ -			\$ 421,442,367	\$ 411,063,692

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-00520
 PROPERTY MERGED OR ACQUIRED
 AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.4
 Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
 PAGE 1 OF 2
 Witness Responsible: L. Bridwell

DATA: _X_ BASE PERIOD ___ FORECASTED PERIOD
 TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Acct No.	Description of Property	Acquisition Cost	Cost Basis	Acquisition Adjustment	Commission Approval Date	Explanation of Treatment
1							
2							
3							
4							
5							
6							
7							
8							

NOT APPLICABLE

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPERTY MERGED OR ACQUIRED
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.4
Exhibits\Rate Base\K_RB12 - revised.xlsx Sch B-2
PAGE 2 OF 2
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD _X_ FORECASTED PERIOD
TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Acct No.	Description of Property	Acquisition Cost	Cost Basis	Acquisition Adjustment	Commission Approval Date	Explanation of Treatment
1							
2							
3							
4							
5							
6							
7							
8							

NOT APPLICABLE

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-00520
 LEASED PROPERTY
 AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.5
 Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
 PAGE 1 OF 2
 Witness Responsible: L. Bridwell

DATA: X BASE PERIOD ____ FORECASTED PERIOD
 TYPE OF FILING: X ORIGINAL ____ UPDATED ____ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Identification or Ref No.	Description and Use of Property	Name of Lessee	Frequency of Payment	Amount of Lease Payment	Dollar Value of Property	Explain Method of Capitalization
1							
2							
3							
4							

KENTUCKY-AMERICAN DOES NOT HAVE ANY CAPITAL LEASES.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
LEASED PROPERTY
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.5
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 2
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Identification or Ref No.	Description and Use of Property	Name of Lessee	Frequency of Payment	Amount of Lease Payment	Dollar Value of Property	Explain Method of Capitalization
----------	---------------------------	---------------------------------	----------------	----------------------	-------------------------	--------------------------	----------------------------------

- 1
- 2
- 3
- 4
- 5

KENTUCKY-AMERICAN DOES NOT HAVE ANY CAPITAL LEASES.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPERTY HELD FOR FUTURE USE INCLUDED IN RATE BASE
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.6
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 1 OF 2
Witness Responsible: L. Bridwell

DATA: X BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Location of Property	Acquisition Date	Original Cost	Accumulated Depreciation	Net Original Cost	Amount	Revenue Realized Acct No.	Description	Amount	Expenses Incurred Acct No.	Description
1											
2											
3											

NOT APPLICABLE IN THIS RATE CASE.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPERTY HELD FOR FUTURE USE | INCLUDED IN RATE BASE
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.6
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 2
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Location/Location of Property	Acquisition Date	Original Cost	Accumulated Depreciation	Net Original Cost	Amount	Revenue Realized Acct No.	Description	Amount	Expenses Incurred Acct No.	Description
1											
2											
3											

NOT APPLICABLE IN THIS RATE CASE.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPERTY EXCLUDED FROM RATE BASE
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-2.7
Exhibits\Rate Base\K_RIB12 - revised.xlsx\Sch B-2
PAGE 1 OF 2
Witness Responsible: L. Bridwell

DATA: X, BASE PERIOD, FORECASTED PERIOD
TYPE OF FILING: X, ORIGINAL, UPDATED, REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Acct. No.	Description	In-Service Date	Original Cost	Accumulated Depreciation	Net Original Cost	Period Revenue and Expenses		Reasons for Exclusion
							Amount	Acct No.	
1									
2									
3									

NONE

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
PROPERTY EXCLUDED FROM RATE BASE
AS OF JULY 31, 2014

EXHIBIT 37, SCHEDULE B-2.7
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-2
PAGE 2 OF 2
Witness Responsible: L. Bridwell

DATA: ___ BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Acct. No.	Description	In-Service Date	Original Cost	Accumulated Depreciation	Net Original Cost	Period Revenue and Expenses		Reasons for Exclusion
							Amount	Acct No.	
1									
2									
3									

NONE

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
ACCUMULATED DEPRECIATION AND AMORTIZATION
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 1 of 4
Witness Responsible L. Bridwell

DATA_X_BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
WORK/PAPER REFERENCE NO(S): W/P-1-2

Line No.	MARUC 96 Acct No.	Account Title	Base Period		Total Company	Jurisdictional Percent	Accumulated Reserve Balances		Adjusted Jurisdiction
			Total Company	Jurisdictional Total			Jurisdictional Total	Adjustments	
1									
2									
3		Intangible Plant							
4	301.1	Organization	\$ 37,460	-	-		\$ -	\$ -	0
5	302.1	Franchise/Consents	70,261	-	-	100%	-	-	274,637
6	339.1	Other Plant & Equip Intangible	715,096	274,637	274,637		274,637	-	274,637
7									
8		Total Intangibles	\$ 822,748	\$ 274,637	274,637		274,637	-	274,637
9									
10		Source of Supply and Pumping Plant							
11	303.2	Land and Land Rights - SS	1,273,329	-	-		\$ -	\$ -	2,872,406
12	304.2	Structures and Improvements SS	16,587,771	2,872,406	2,872,406		2,872,406	-	381,837
13	305.2	Collecting and Impounding Reservoirs	990,279	381,837	381,837		381,837	-	370,933
14	306.2	Lake, River and Other Intakes	7,286,518	370,933	370,933		370,933	-	0
15	307.2	Wells and Springs	-	-	-		-	-	2,740,354.00
16	308.2	Infiltration Galleries & Tunnels	-	-	-		-	-	495,530
17	309.2	Supply Mains	27,882,369	2,740,354	2,740,354		2,740,354.00	-	6,640,744
18	310.2	Power Generation Equip	3,385,688	495,530	495,530		495,530	-	0
19	311.2	Pumping Equipment SS	25,342,171	6,640,744	6,640,744		6,640,744	-	(3,168)
20	339.2	Other Plant & Equip SS	-	-	-		-	-	13,498,637
21	354.2	Other Plant & Equip WT	-	(3,168)	(3,168)		(3,168)	-	13,501,804
22									
23		Total Source of Supply & Pumping	\$ 82,748,104	\$ 13,498,637	13,498,637		13,498,636	-	3,114,701
24									
25		Water Treatment Plant							
26	303.3	Land and Land Rights	800,183	-	-		\$ -	\$ -	(242)
27	304.3	Structures and Improvements	26,023,192	3,114,701	3,114,701		3,114,701	-	17,586,772
28	311.3	Pumping Equipment WT	-	(242)	(242)		(242)	-	20,701,231
29	320.3	Water Treatment Equipment	54,096,155	17,586,772	17,586,772		17,586,772	-	592,259
30	339.3	Other Plant & Equip WT	-	-	-		-	-	(55,544)
31									4,353,775
32		Total Water Treatment	\$ 80,919,530	\$ 20,701,231	20,701,231		20,701,231	-	41,385,727
33									19,742,326
34		Transmission and Distribution Plant							5,408,121
35	303.4	Land and Land Rights TD	7,473,931	-	-		\$ -	\$ -	3,639,129
36	304.4	Struct & Improve TD	915,117	592,259	592,259		592,259	-	0
37	311.4	Pumping Equipment TD	98,403	(55,544)	(55,544)		(55,544)	-	75,065,793
38	330.4	Dist Reservoirs & Standpipes	18,048,685	4,353,775	4,353,775		4,353,775	-	0
39	331.4	TD Mains	260,769,804	41,385,727	41,385,727		41,385,727	-	0
40	333.4	Services	48,339,231	19,742,326	19,742,326		19,742,326	-	0
41	334.4	Meters & Meter Installations	43,777,162	5,408,121	5,408,121		5,408,121	-	0
42	335.4	Hydrants	19,954,412	3,639,129	3,639,129		3,639,129	-	0
43	336.4	Backflow Prevention Devices	-	-	-		-	-	0
44	339.4	Other Plant & Equip TD	-	-	-		-	-	0
45									
46		Total Transmission and Distribution	\$ 392,376,746	\$ 75,065,793	75,065,793		75,065,793	0	75,065,793

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
ACCUMULATED DEPRECIATION AND AMORTIZATION
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 2 of 4
Witness Responsible L. Bridwell

DATA: X_BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X_ORIGINAL ____ UPDATED ____ REVISED
WORKPAPER REFERENCE NO(S): WP/P-1-2

Line No.	MARUC 96 Acct No.	Account Title	Base Period		Total Company	Jurisdictional Percent	Accumulated Reserve Balances		Adjusted Jurisdiction
			Total Company	Jurisdictional			Total	Adjustments	
1									
2									
3		General Plant							
4	303.5	Land & Land Rights AG	\$ -	-	-		\$ -	-	\$ -
5	304.5	Street & Improve AG	13,269,957	13,269,957	2,443,153	100%	2,443,153	-	2,443,153
6	340.5	Office Furniture and Equipment	12,894,879	8,765,241	8,765,241		8,765,241	-	8,765,241
7	341.5	Transportation Equipment	4,580,168	2,148,837	2,148,837		2,148,837	-	2,148,837
8	342.5	Stores Equipment	37,878	34,590	34,590		34,590	-	34,590
9	343.5	Tools, Shop and Garage Equipment	2,321,550	1,127,054	1,127,054		1,127,054	-	1,127,054
10	344.5	Laboratory Equipment	1,291,690	732,963	732,963		732,963	-	732,963
11	345.5	Power Operated Equipment	1,456,342	919,649	919,649		919,649	-	919,649
12	346.5	Communication Equipment	4,122,555	1,494,520	1,494,520		1,494,520	-	1,494,520
13	347.5	Miscellaneous Equipment	1,291,052	630,715	630,715		630,715	-	630,715
14	348.5	Other Tangible Property	366,304	236,135	236,135		236,135	-	236,135
15									
16		Total General	41,572,376	18,532,857	18,532,857		18,532,857	-	18,532,857
17									
18									
19									
20		Total Utility Plant in Service	\$598,439,504	\$128,073,154	\$128,073,154		\$128,073,154	-	\$128,073,322

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
ACCUMULATED DEPRECIATION AND AMORTIZATION
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-3
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 3 of 4
Witness Responsible L. Bridwell

DATA: ___BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ___UPDATED___REVISED
WORK/PAPER REFERENCE NO(S): W/P-1-2

Line No.	MARUC-96 Acct No.	Account Title	Forecasted Period Total Company	Accumulated Reserve Balances			13 Month Average
				Total Company	Jurisdictional Percent	Jurisdictional Total	
1							
2							
3		Intangible Plant					
4	301.1	Organization	\$ 37,460	\$ -	-	\$ -	\$ -
5	302.1	Franchise/Consents	70,261	-	-	-	-
6	339.1	Other Plant & Equip Intangible	776,822	385,106	100%	385,106	342,860
7							
8		Total Intangibles	\$ 884,533	\$ 385,106		\$ 385,106	\$ 342,860
9							
10		Source of Supply and Pumping Plant					
11	303.2	Land and Land Rights - SS	1,273,329	\$ -	-	\$ -	\$ -
12	304.2	Structures and Improvements SS	16,561,285	3,476,345		3,476,345	3,250,013
13	305.2	Collecting and Impounding Reservoirs	986,753	393,371		393,371	389,055
14	306.2	Lake, River and Other Intakes	7,449,191	553,894		553,894	484,651
15	307.2	Wells and Springs	-	-		-	-
16	308.2	Infiltration Galleries & Tunnels	-	-		-	-
17	309.2	Supply Mains	27,862,254	3,557,528		3,557,528	3,251,088
18	310.2	Power Generation Equip	3,374,873	609,928		609,928	567,089
19	311.2	Pumping Equipment SS	27,386,423	7,257,584		7,257,584	7,031,684
20	339.2	Other Plant & Equip SS	-	0		0	-
21	354.2	Other Plant & Equip WT	-	(3,168)		(3,168)	(3,168)
22							
23		Total Source of Supply & Pumping	\$ 84,934,109	\$ 15,845,482		\$ 15,845,482	\$ 14,970,413
24							
25		Water Treatment Plant					
26	303.3	Land and Land Rights	800,183	\$ -	-	\$ -	\$ -
27	304.3	Structures and Improvements	26,418,624	4,068,157		4,068,157	3,708,401
28	311.3	Pumping Equipment WT	-	(242)		(242)	(242)
29	320.3	Water Treatment Equipment	53,098,607	16,380,506		16,380,506	17,698,018
30	339.3	Other Plant & Equip WT	237,772	-		-	-
31							
32		Total Water Treatment	\$ 80,555,186	\$ 20,448,821		\$ 20,448,821	\$ 21,406,177
33							
34		Transmission and Distribution Plant					
35	303.4	Land and Land Rights TD	7,692,948	(11,529)		(11,529)	(3,547)
36	304.4	Struct & Improve TD	909,077	604,002		604,002	606,074
37	311.4	Pumping Equipment TD	285,667	(77,015)		(77,015)	(70,384)
38	330.4	Dist Reservoirs & Standpipes	20,019,110	4,209,689		4,209,689	4,440,711
39	331.4	TD Mains	272,093,339	47,124,615		47,124,615	44,939,337
40	333.4	Services	50,133,322	21,315,894		21,315,894	20,716,231
41	334.4	Meters & Meter Installations	45,375,795	5,688,778		5,688,778	5,534,869
42	335.4	Hydrants	14,553,433	3,876,204		3,876,204	3,795,679
43	336.4	Backflow Prevention Devices	-	0		0	-
44	339.4	Other Plant & Equip TD	-	0		0	-
45							
46		Total Transmission and Distribution	\$ 411,062,691	\$ 82,650,637		\$ 82,650,637	\$ 79,928,968

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-08520
 ADJUSTMENTS TO ACCUMULATED DEPRECIATION AND AMORTIZATION
 AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-3.1
 Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
 PAGE 1 OF 2
 Witness Responsible L. Bridwell

DATA: X BASE PERIOD: FORECASTED PERIOD
 TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Adjustment Title	Total Company Adjustment	Jurisdictional Percent	Jurisdictional Adjustment	Workpaper Reference	Description and Purpose of Adjustment
1						
2						
3						

NONE

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-08520
 ADJUSTMENTS TO ACCUMULATED DEPRECIATION AND AMORTIZATION
 FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-3.1
 Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
 PAGE 2 OF 2
 Witness Responsible L. Bridwell

DATA: ___ BASE PERIOD _X_ FORECASTED PERIOD
 TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Adjustment Title	Total Company Adjustment	Jurisdictional Percent	Jurisdictional Adjustment	Workpaper Reference	Description and Purpose of Adjustment
1						
2						
3						

NONE

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
DEPRECIATION ACCRUAL RATES AND ACCUMULATED BALANCES BY ACCOUNT
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-3.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 1 OF 4
Witness Responsible L. Bridwell

DATA_X_BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-2

Line No.	Act. No.	Account Title	Plant Investment	Adjusted Accumulated Reserve	Current Accrual Rate	Calculated Depreciation Expense	% Net Salvage	Average Service Life	Curve Form
2									
3	339.10	Other P/E Intangibles	8,375	122,864	19.40%	1,625	0%	1.2	5-SQ
4	339.60	Other P/E Comprehensive Studies	706,661	152,373	10.72%	75,794	0%	8.3	10-SQ
5	304.10	SS Structures and Improvements	6,990,192	709,622	3.07%	213,678	-5%	33.3	35-51.5
6	305.00	Coil and Impounding Reservoir	990,279	381,837	1.33%	13,171	0%	47.7	75-R4
7	306.00	Lake, River, and Other Intakes	7,286,518	370,933	2.05%	149,374	0%	47.6	50-51
8	307.00	Wells and Springs	-	-	0.0%	0	0%	0.0	0%
9	309.00	Supply Mains	27,882,369	2,740,354	2.20%	613,412	-1.0%	40.0	65-52.5
10									
11	304.20	Pumping Structures and Improvements	9,627,579	2,162,784	2.85%	274,386	-2.0%	36.4	60-R2.5
12	310.10	Other Power Production Equipment	3,385,668	495,530	2.93%	99,200	0%	30.4	35-52.5
13	311.20	Electric Pumping Equipment	9,842,282	5,295,976	2.25%	221,451	-2.0%	41.8	50-R3
14	311.30	Diesel Pumping Equipment	702,411	387,187	2.26%	15,874	-2.0%	31.6	50-R3
15	311.40	Hydraulic Pumping Equipment	7,728	8,936	2.28%	176	-2.0%	43.4	50-R3
16	311.52	Source of Supply Pumping Equipment	14,789,750	948,646	2.43%	359,391	-2.0%	47.6	50-R3
17	311.54	T & D Pumping Equipment	98,403	(55,544)	2.43%	2,391	-2.0%	46.3	50-R3
18									
19	304.30	WT Structures and Improvements	26,023,192	3,114,701	2.95%	767,684	-2.0%	39.2	60-R2.5
20	320.11	Water Treatment Equipment	59,587,567	17,291,536	2.59%	1,387,918	-2.0%	35.7	45-R2.5
21	320.10	Water Treatment Equipment-Sir	-	-	1.97%	0	-2.0%	45.9	60-R3
22	320.20	Water Treatment - GAC	508,588	295,236	24.28%	133,485	0%	3.1	5-12.5
23									
24	304.40	T & D Structures and Improvements	915,117	592,259	2.63%	24,068	-5%	20.5	30-52
25	330.00	Dist Res and Standpipes	1,771,358	289,550	1.66%	29,405	0%	56.8	60-52.5
26	330.10	Elevated Tanks & Standpipes	10,222,904	3,837,930	2.03%	207,525	-2.5%	45.3	60-52.5
27	330.20	Ground Level Facilities	3,472,665	119,476	1.38%	47,923	0%	56.3	60-52.5
28	330.40	Cleanwells	2,581,757	106,820	1.68%	43,374	0%	59.2	60-52.5
29	331.00	T & D Mains	260,769,804	41,385,277	1.66%	4,328,779	-1.5%	62.6	75-R3
30	333.00	Services	48,339,231	19,742,326	3.00%	1,450,177	-100%	49.6	60-R2.5
31	334.10	Meters	14,508,727	(878,933)	2.68%	388,834	-1.0%	38.4	40-R1
32	334.11	Meters - Bronze Case	2,273,841	370,907	2.74%	62,303	-1.0%	38.7	40-R1
33	334.12	Meters - Plastic Case	371,274	(219,277)	3.25%	12,066	-1.0%	28.4	40-R1
34	334.13	Meters - Other	6,671,634	149,111	2.90%	193,477	-1.0%	34.1	40-R1
35	334.20	Meter Installations	18,447,729	6,058,922	2.78%	512,847	-1.0%	28.5	40-R1
36	334.30	Meter Vaults	503,957	(72,608)	2.73%	13,758	-1.0%	39.2	40-R1
37	335.00	Hydrants	13,954,412	3,699,129	1.49%	207,921	-2.5%	66.9	80-R3

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
DEPRECIATION ACCRUAL RATES AND ACCUMULATED BALANCES BY ACCOUNT
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-3.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 2 OF 4
Witness Responsible L. Bridwell

DATA_X_BASE PERIOD ____ FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-2

Line No.	Act. No.	Account Title	Plant Investment	Adjusted Jurisdiction Accumulated Reserve	Current Accrual Rate	Calculated Depreciation Expense	% Net Salvage	Average Service Life	Curve Form
1									
2									
3									
4	304.60	Office Structures and Improvements	4,000,022	262,216	2.96%	118,401	-5%	27.9	55-R2.5
5		Office Structures and Improvements-not depreciated				0			
6	304.61	Other Structures and Improvements	5,747,674	1,409,063	2.01%	115,528	-5%	44	55-R2.5
7	304.70	Stores, Shop & Garage Structures	1,788,131	388,354	2.03%	36,299	0%	44.4	50-R2.5
8	304.80	Misc Structures	1,723,559	382,478	4.98%	85,833	-10%	17.9	25-R2
9	340.10	Office Furniture	690,108	540,837	5.00%	34,505	0%	8.7	20-SQ
10		Office Furniture-not depreciated				0			
11	340.21	Mainframe Comp & Periph Eqpt	74,833	71,781	20.00%	14,967	0%	3.7	5-SQ
12		Mainframe Comp & Periph Eqpt-not depreciated				0			
13	340.22	Personal Comp & Periph Eqpt	11,522	1,125,660	20.00%	102,763	0%	1.7	5-SQ
14		Personal Comp & Periph Eqpt-not depreciated				0			
15	340.23	Computers & Periph Other	414,948	287,759	20.00%	131,415	0%	2.4	5-SQ
16		Computers & Periph Other-not depreciated				0			
17	340.30	Mainframe Software	268,937	4,738,712	20.00%	53,787	0%	1.0	5-SQ
18		Mainframe Software-not depreciated				0			
19	340.32	Personal Comp Software	3,459,484	333,220	20.00%	616	0%	1.4	5-SQ
20		Personal Comp Software-not depreciated				0			
21	340.33	Other Software	937,426	1,121,584	20.00%	187,485	0%	1.3	5-SQ
22		Other Software-not depreciated				0			
23	340.50	Other Office Equipment	66,496	68,392	6.67%	4,435	0%	4.9	15-SQ
24		Other Office Equipment-not depreciated				0			
25	340.51	Computer Software Special	4,285	477,295	20.00%	1,002,511	20%	12.6	13-S2.5
26	341.10	Trans Equip-Light Trucks	5,012,553	1,035,646	1.53%	31,139	0%	10.6	13-S2.5
27		Trans Equip-Light Trucks-not depreciated				0			
28	341.20	Trans Equip-Heavy Trucks	1,770,295	702,302	2.34%	41,837	15%	10.6	14-S2
29	341.30	Trans Equip-Cars	83,246	209,812	8.50%	7,076	15%	0.0	10-S3
30		Trans Equip-Cars-new additions				0			
31	341.40	Other Trans Equip	96,396	201,077	5.51%	32,756	0%	12.1	16-L3
32	342.00	Stores Equipment	594,476	34,590	4.00%	1,515	0%	2.3	25-SQ
33		Stores Equipment-not depreciated				0			
34	343.00	Tools, Shop, & Garage Equip	2,321,550	1,127,054	5.00%	116,078	0%	13.2	20-SQ
35		Tools, Shop, & Garage Equip-not depreciated				0			
36	344.00	Laboratory Equipment	1,291,690	732,963	6.67%	86,156	0%	5.0	20-SQ
37		Laboratory Equipment-not depreciated				0			
38	345.00	Power Operated Equipment	1,456,342	919,649	2.14%	31,166	15%	12.3	15-SQ
39	346.10	Communication Equipment-telephone	1,850,095	1,265,396	6.67%	123,401	0%	4.0	18-L4
40		Communication Equipment-not depreciated				0			
41	346.19	Communication Equipment-remote control	1,988,712	153,662	6.67%	132,647	0%	12.3	15-SQ
42	346.20	Communication Equipment-telephone	283,749	75,462	6.67%	18,926	0%	12.3	15-SQ
43	347.00	Misc Equipment	1,657,356	866,650	5.00%	82,868	0%	13.1	20-SQ
44		Misc Equipment-not depreciated				0			
45	348.00	Other Tangible Property	-	-	5.00%	0	0%	7.6	20-SQ
46									
47			588,773,780	1,260,755,523		14,435,137			

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-08520
PROPOSED DEPRECIATION ACCRUAL RATES AND ACCUMULATED BALANCES BY ACCOUNT
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-3.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 3 OF 4
Witness Responsible L. Bridwell

DATA: ___BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___UPDATED___ REVISED
WORK/PAPER REFERENCE NO(S): W/P-1-2

Line No.	Acct No.	Account Title	Plant Investment	Adjusted Accumulated Reserve	Current Accrual Rate	Calculated Depreciation Expense	% Net Salvage	Average Service Life	Curve Form
1									
2									
3	339.10	Other P/E Intangibles	8,375	123,618	19.40%	1,625	0%	1.2	5-SQ
4	339.60	Other P/E Comprehensive Studies	768,447	219,242	10.72%	82,378	0%	8.3	10-SQ
5	304.10	SS Structures and Improvements	6,958,361	885,666	3.07%	213,622	-5%	33.3	35-51.5
6	305.00	Coil and Impounding Reservoir	986,753	389,055	1.33%	13,124	0%	47.7	75-R4
7	306.00	Lake, River, and Other Intakes	7,449,191	484,651	2.05%	152,708	0%	47.6	50-S1
8	307.00	Wells and Springs	-	-	0%	0	0%	0.0	0%
9	309.00	Supply Mains	27,882,254	3,251,088	2.20%	613,410	-10%	40.0	65-52.5
10									
11	304.20	Pumping Structures and Improvements	9,602,924	2,364,347	2.85%	273,683	-20%	36.4	60-R2.5
12	310.10	Other Power Production Equipment	3,374,873	567,089	2.93%	98,684	0%	30.4	35-52.5
13	311.20	Electric Pumping Equipment	11,941,694	5,448,738	2.25%	268,688	-20%	41.8	50-R3
14	311.30	Diesel Pumping Equipment	698,587	396,280	2.26%	15,788	-20%	31.6	50-R3
15	311.40	Hydraulic Pumping Equipment	7,728	9,082	2.28%	176	-20%	43.4	50-R3
16	311.52	Source of Supply Pumping Equipment	14,738,415	1,177,584	2.43%	358,143	-20%	47.6	50-R3
17	311.54	T & D Pumping Equipment	285,667	(70,384)	2.43%	6,942	-20%	46.3	50-R3
18									
19	304.30	WT Structures and Improvements	26,418,624	3,708,401	2.95%	779,349	-20%	39.2	60-R2.5
20	320.11	Water Treatment Equipment	52,590,019	17,299,877	2.59%	1,362,081	-20%	39.0	45-R2.5
21	320.10	Water Treatment Equipment-Str	-	-	1.97%	0	-20%	45.9	60-R3
22	320.20	Water Treatment - GAC	508,588	398,141	24.28%	133,485	0%	3.1	5-12.5
23									
24	304.40	T & D Structures and Improvements	909,077	606,074	2.63%	23,909	-5%	20.5	30-S2
25	330.00	Dist Res and Standpipes	1,771,358	312,225	1.66%	29,405	0%	56.8	60-52.5
26	330.10	Elevated Tanks & Standpipes	12,083,404	3,825,468	2.03%	245,293	-25%	45.3	60-52.5
27	330.20	Ground Level Facilities	3,582,591	160,053	1.38%	49,440	0%	56.3	60-52.5
28	330.40	Cleanwells	2,581,757	142,864	1.68%	43,374	0%	59.2	60-52.5
29	331.00	T & D Mains	272,093,339	44,929,337	1.66%	4,516,749	-15%	62.6	75-R3
30	333.00	Services	50,133,322	20,716,231	3.00%	1,504,000	-100%	49.6	60-R2.5
31	334.10	Meters	17,509,021	(907,141)	2.68%	469,242	-10%	38.4	40-R1
32	334.11	Meters - Bronze Case	2,270,905	421,479	2.74%	62,223	-10%	38.7	40-R1
33	334.12	Meters - Plastic Case	242,892	(342,234)	3.25%	7,894	-10%	28.4	40-R1
34	334.13	Meters - Other	6,396,187	3,237	2.90%	185,489	-10%	34.1	40-R1
35	334.20	Meter Installations	18,446,208	6,435,091	2.78%	512,805	-10%	28.5	40-R1
36	334.30	Meter Vaults	510,582	(85,563)	2.73%	13,939	-10%	39.2	40-R1
37	335.00	Hydrants	14,553,433	3,785,679	1.49%	216,846	-25%	66.9	80-R3

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
DEPRECIATION ACCRUAL RATES AND ACCUMULATED BALANCES BY ACCOUNT
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-3.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-3
PAGE 4 OF 4
Witness Responsible L. Bridwell

DATA: ___BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___UPDATED___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-2

Line No.	Act No.	Account Title	Plant Investment	Adjusted Jurisdiction Accumulated Reserve	Current Accrual Rate	Calculated Depreciation Expense	% Net Salvage	Average Service Life	Curve Form
2									
3									
4	304.60	Office Structures and Improvements	4,272,344	363,448	2.96%	126,461	-5%	27.9	55-R2.5
5		Office Structures and Improvements-not depreciated				0			55-R2.5
6	304.61	Other Structures and Improvements	5,744,299	1,501,208	2.01%	115,460	-5%	44.2	55-R2.5
7	304.70	Stores, Shop & Garage Structures	1,786,124	416,578	2.03%	36,258	0%	44.4	50-R2.5
8	304.80	Misc Structures	1,652,591	380,739	4.98%	82,299	-10%	17.9	25-R2
9	340.10	Office Furniture	664,431	537,144	5.00%	33,222	0%	8.7	20-SQ
10		Office Furniture-not depreciated				0			
11	340.21	Mainframe Comp & Periph Eqpt	70,452	82,764	20.00%	14,090	0%	3.7	5-SQ
12		Mainframe Comp & Periph Eqpt-not depreciated				0			
13	340.22	Personal Comp & Periph Eqpt	432,877	1,006,859	20.00%	86,575	0%	1.7	5-SQ
14		Personal Comp & Periph Eqpt-not depreciated				0			
15	340.23	Computers & Periph Other	647,876	399,253	20.00%	129,575	0%	2.4	5-SQ
16		Computers & Periph Other-not depreciated				0			
17	340.30	Mainframe Software	126,616	4,546,240	20.00%	25,323	0%	1.0	5-SQ
18		Mainframe Software-not depreciated				0			
19	340.32	Personal Comp Software	3,081	262,927	20.00%	616	0%	1.4	5-SQ
20		Personal Comp Software-not depreciated				0			
21	340.33	Other Software	937,426	1,260,228	20.00%	187,485	0%	1.3	5-SQ
22		Other Software-not depreciated				0			
23	340.50	Other Office Equipment	61,401	64,317	6.67%	4,095	0%	4.9	15-SQ
24		Other Office Equipment-not depreciated				0			
25	340.51	Computer Software Special	12,295,570	1,636,881	10.00%	1,229,557	20%	12.6	13-S2.5
26	341.10	Trans Equip-Light Trucks	1,959,641	847,664	1.53%	29,983	0%	10.6	13-S2.5
27		Trans Equip-Light Trucks-not depreciated				0			
28	341.20	Trans Equip-Heavy Trucks	1,891,616	686,402	2.34%	44,264	15%	10.6	14-S2
29	341.30	Trans Equip-Cars	236,278	194,805	8.50%	20,084	15%	0.0	10-S3
30		Trans Equip-Cars-new additions				0			
31	341.40	Other Trans Equip	581,429	219,147	5.51%	32,037	0%	12.1	16-L3
32	342.00	Stores Equipment	35,226	35,009	4.00%	1,409	0%	2.3	25-SQ
33		Stores Equipment-not depreciated				0			
34	343.00	Tools, Shop, & Garage Equip	2,467,538	1,203,412	5.00%	123,377	0%	13.2	20-SQ
35		Tools, Shop, & Garage Equip-not depreciated				0			
36	344.00	Laboratory Equipment	167,786	746,019	6.67%	76,302	0%	5.0	20-SQ
37		Laboratory Equipment-not depreciated				0			
38	345.00	Power Operated Equipment	121,286	0	2.14%	30,836	15%	12.3	15-SQ
39	346.10	Communication Equipment-telephone	1,440,950	932,292	6.67%	107,783	0%	4.0	18-L4
40		Communication Equipment-not depreciated				0			
41	346.19	Communication Equipment-remote control	3,427,142	308,826	6.67%	228,590	0%	12.3	15-SQ
42	346.20	Communication Equipment-telephone	283,749	92,993	6.67%	18,926	0%	12.3	15-SQ
43	347.00	Misc Equipment	1,809,991	905,221	5.00%	90,500	0%	13.1	20-SQ
44	347.00	Misc Equipment - not depreciated				0			
45	348.00	Other Tangible Property	87,357	0	5.00%	0	0%	13.1	20-SQ
46									
47			618,167,864	1,366,670,393		15,119,801		7.6	20-SQ
48									
49									
50									

Note: 39128A - Computer Software Special, KAW is proposing a reduction in depreciation rate from 20% to 10%

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
CONSTRUCTION WORK IN PROGRESS
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-4
Exhibits) Rate Base\K_RB12 - revised.kw\Sch B-4
PAGE 1 OF 2
Witness Responsible L. Birdwell

DATA: X BASE PERIOD - FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-3

Line No.	Project Number	Description of Project	Construction Amount	Accumulated Costs AFUDC Capitalized	Indirect Costs	Total Costs	Jurisdictional Percent	Total Jurisdictional Cost	Estimated Percent Complete
1									
2	D12-01-P	Projects Funded by Others	\$ 283,636	-	-	\$283,636	100%	\$283,636	NA
3	R12-01-A1	Mains - New	\$ -	-	-	-	-	-	NA
4	R12-01-B1	Mains - Replaced / Restored	\$ -	-	-	-	-	-	NA
5	R12-01-C1	Mains - Reschedule Replacements	\$ 102,723	813	-	103,536	-	103,536	NA
6	R12-01-D1	Mains - Relocation	\$ -	-	-	-	-	-	NA
7	R12-01-E1	Hydrants, Valves, and Manholes - New	\$ -	-	-	-	-	-	NA
8	R12-01-F1	Hydrants, Valves, and Manholes - Replaced	\$ -	-	-	-	-	-	NA
9	R12-01-G1	Services and Laterals - New	\$ -	-	-	-	-	-	NA
10	R12-01-H1	Services and Laterals - Replaced	\$ -	-	-	-	-	-	NA
11	R12-01-I1	Meters New	\$ -	-	-	-	-	-	NA
12	R12-01-J1	Meters - Replaced	\$ -	-	-	-	-	-	NA
13	R12-01-K1	ITS Equipment and Systems	\$ -	-	-	-	-	-	NA
14	R12-01-L1	SCADA Equipment and Systems	\$ -	-	-	-	-	-	NA
15	R12-01-M1	Security Equipment and System	\$ 890,768	33,506	-	924,274	-	924,274	NA
16	R12-01-N1	Offices and Operations Centers	\$ -	-	-	-	-	-	NA
17	R12-01-O1	Vehicles	\$ -	-	-	-	-	-	NA
18	R12-01-P1	Tools and Equipment	\$ -	-	-	-	-	-	NA
19	R12-01-Q1	Process Plant Facilities and Equipment	\$ 41,227	268	-	41,495	-	41,495	NA
20	R12-01-S1	Engineering Studies	\$ 36,012	22,131	-	58,144	-	58,144	NA
21	T12-002-P	Business Transformation 2010 - 2014	\$ 5,903,344	479,669	-	6,383,013	-	6,383,013	54%
22	T12-003-P	Business Transformation 2010 - 2014	\$ (57,447)	-	-	(57,447)	-	(57,447)	-8%
23	I12-020001	New WTP on Pool 3 of Kentucky	\$ -	-	-	-	-	-	0%
24	I12-020027	Russell Cave Rd Main Extension	\$ (2,569)	2,569	-	-	-	-	0%
25	I12-020009	US 25 Rehectation	\$ -	-	-	-	-	-	0%
26	I12-020010	Leestown Road	\$ 1,488,795	136,131	-	1,624,926	-	1,624,926	92%
27	I12-020025	Pump Efficiency Replacement	\$ 1,994,884	52,545	-	2,047,430	-	2,047,430	85%
28	I12-300003	Northern Division Connection	\$ 4,666,333	142,540	-	4,808,873	-	4,808,873	34%
29	IP-1202-9	Todds and Cleveland Rd Main Extension	\$ -	-	-	-	-	-	0%
30	IP-1202-10	KRS Clearwell Improvements (332)	\$ -	-	-	-	-	-	0%
31	IP-1202-11	I-75 Main Extension	\$ -	-	-	-	-	-	0%
32	IP-1202-13	Greenwich Rd Main Extension	\$ -	-	-	-	-	-	0%
33	IP-1202-16	North Upper St Main Replacement (343)	\$ -	-	-	-	-	-	0%
34	IP-1202-20	KY Major Highway	\$ -	-	-	-	-	-	0%
35	IP-1202-23	KRS Carbon and Pre-Chlorine Feed	\$ -	-	-	-	-	-	0%
36	IP-1202-27	KRS Hydroreater Valve & Flow Meter	\$ -	-	-	-	-	-	0%
37	IP-1202-39	Pump Efficiency Repl	\$ -	-	-	-	-	-	0%
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
			\$15,247,708	\$870,172		\$16,217,879		\$16,217,879	

Note: Budget Projects DV - 5 represent normal on-going construction expenditures and are comprised of numerous construction jobs. The cost of these projects can range from approximately \$1,000 to \$95,000. The construction period may be as little as one week or as long as two months.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
CONSTRUCTION WORK IN PROGRESS
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-4
Exhibits) Rate Base\JK_RB12_revised.xls\Sch B-4
PAGE 2 OF 2
Witness Responsible L. Birdwell

DATA: ___ BASE PERIOD, X, FORECASTED PERIOD
TYPE OF FILING: ___ ORIGINAL, ___ UPDATED, ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-3

Line No.	Project Number	Description of Project	Construction Amount	Accumulated Costs AFUDC Capitalized	Indirect Costs	Total Costs	Jurisdictional Percent	Total Jurisdictional Cost	Estimated Percent Complete
1									
2	D12-01-P	Projects Funded by Others	\$355,661	\$0	\$0	\$355,661	100%	\$355,661	N/A
3	R12-01-A1	Mains - New	\$46,328	\$618	\$0	\$46,946		\$46,946	N/A
4	R12-01-B1	Mains - Replaced / Restored	\$351,629	\$4,777	\$0	\$356,406		\$356,406	N/A
5	R12-01-CL	Mains - Unscheduled Replacements	\$0	\$0	\$0	\$0		\$0	N/A
6	R12-01-DL	Mains - Relocation	\$87,009	\$1,153	\$0	\$88,161		\$88,161	N/A
7	R12-01-EL	Hydrants, Valves, and Manholes - New	\$0	\$0	\$0	\$0		\$0	N/A
8	R12-01-F1	Hydrants, Valves, and Manholes - Replaced	\$0	\$0	\$0	\$0		\$0	N/A
9	R12-01-G1	Services and Laterals - New	\$0	\$0	\$0	\$0		\$0	N/A
10	R12-01-H1	Services and Laterals - Replaced	\$0	\$0	\$0	\$0		\$0	N/A
11	R12-01-I1	Meters New	\$0	\$0	\$0	\$0		\$0	N/A
12	R12-01-J1	Meters - Replaced	\$0	\$0	\$0	\$0		\$0	N/A
13	R12-01-K1	ITS Equipment and Systems	\$0	\$0	\$0	\$0		\$0	N/A
14	R12-01-L1	SCADA Equipment and Systems	\$0	\$0	\$0	\$0		\$0	N/A
15	R12-01-M1	Security Equipment and System	\$402,372	\$21,637	\$0	\$424,008		\$424,008	N/A
16	R12-01-N1	Offices and Operations Centers	\$0	\$0	\$0	\$0		\$0	N/A
17	R12-01-O1	Vehicles	\$0	\$0	\$0	\$0		\$0	N/A
18	R12-01-P1	Tools and Equipment	\$0	\$0	\$0	\$0		\$0	N/A
19	R12-01-Q1	Process Plant Facilities and Equipment	\$230,043	\$3,110	\$0	\$233,153		\$233,153	N/A
20	R12-01-S1	Engineering Studies	\$18,126	\$1,867	\$0	\$19,994		\$19,994	N/A
21	T12-002-P	Business Transformation 2010 - 2014	\$204,440	\$0	\$0	\$204,440		\$204,440	100%
22	T12-003-P	Business Transformation 2010 - 2014	(\$60,809)	\$0	\$0	(\$60,809)		(\$60,809)	100%
23	I12-020001	New WTP on Pool 3 of Kentucky	\$0	\$0	\$0	\$0		\$0	0%
24	I12-020002	Russell Cave Rd Main Extension	(\$2,569)	\$0	\$0	(\$2,569)		(\$2,569)	0%
25	I12-020009	US 25 Relocation	\$0	\$0	\$0	\$0		\$0	0%
26	I12-020010	Leestown Road	\$0	\$0	\$0	\$0		\$0	0%
27	I12-020025	Pump Efficiency Replacement	\$0	\$0	\$0	\$0		\$0	0%
28	I12-300003	Northern Division Connection	\$4,132,749	\$188,222	\$0	\$4,320,971		\$4,320,971	100%
29	IP-1202-9	Todd's and Cleveland Rd Main Extension	\$162,414	\$3,246	\$0	\$165,660		\$165,660	28%
30	IP-1202-10	KRS Clearwell Improvements (B32)	\$119,209	\$1,984	\$0	\$121,194		\$121,194	20%
31	IP-1202-11	I-75 Main Extension	\$110,094	\$1,903	\$0	\$111,997		\$111,997	29%
32	IP-1202-13	I-75 Main Extension	\$142,539	\$2,348	\$0	\$144,887		\$144,887	57%
33	IP-1202-16	Greenwich Rd Main Extension	\$116,153	\$1,976	\$0	\$118,129		\$118,129	39%
34	IP-1202-20	North Upper St Main Replacement (B43)	\$85,992	\$1,652	\$0	\$87,644		\$87,644	37%
35	IP-1202-23	KY Major Highway	\$41,554	\$682	\$0	\$42,236		\$42,236	51%
36	IP-1202-27	KRS Carbon and Pre-Chlorine Feed	\$21,291	\$482	\$0	\$21,773		\$21,773	100%
37	IP-1202-39	KRS Hydroreducer Valve & Flow Meter Pump Efficiency Repl	\$49,037	\$578	\$0	\$49,615		\$49,615	72%
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
						\$6,613,262	\$238,095	\$0	\$6,851,268

Note: Budget Projects DV - 5 represent normal on-going construction expenditures and are comprised of numerous construction jobs. The cost of these projects can range from approximately \$1,000 to \$95,000. The construction period may be as little as one week or as long as two months.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
CONSTRUCTION WORK IN PROGRESS - PERCENT COMPLETE
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-4.1
Exhibits) Rate Base\K_R812 - revised.xls\Sch B-4
PAGE 1 OF 2
Witness Responsible L. Birdwell

DATA: X BASE PERIOD - FORECASTED PERIOD
TYPE OF FILING: X ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-3

Line No.	Project Number	Date Construction Begin	Estimated Completion Date	% of Elapsed Time	Original Budget Estimate	Current Budget Estimate	Total Project Expenditures	% of Total Expenditures to Budget Est.
1								
2	D12-**01-P	NA	NA	NA	NA	NA	283,636	NA
3	R12-**A1	NA	NA	NA	NA	NA	-	NA
4	R12-**B1	NA	NA	NA	NA	NA	103,636	NA
5	R12-**C1	NA	NA	NA	NA	NA	-	NA
6	R12-**D1	NA	NA	NA	NA	NA	-	NA
7	R12-**E1	NA	NA	NA	NA	NA	-	NA
8	R12-**F1	NA	NA	NA	NA	NA	-	NA
9	R12-**G1	NA	NA	NA	NA	NA	-	NA
10	R12-**H1	NA	NA	NA	NA	NA	-	NA
11	R12-**I1	NA	NA	NA	NA	NA	-	NA
12	R12-**J1	NA	NA	NA	NA	NA	-	NA
13	R12-**K1	NA	NA	NA	NA	NA	-	NA
14	R12-**L1	NA	NA	NA	NA	NA	-	NA
15	R12-**M1	NA	NA	NA	NA	NA	924,274	NA
16	R12-**N1	NA	NA	NA	NA	NA	-	NA
17	R12-**O1	NA	NA	NA	NA	NA	-	NA
18	R12-**P1	NA	NA	NA	NA	NA	-	NA
19	R12-**Q1	NA	NA	NA	NA	NA	41,495	NA
20	R12-**S1	NA	NA	NA	NA	NA	58,144	NA
21	T12-002P	Jan-10	May-13	97.45%	12,771,812	11,855,857	6,383,013	53.93%
22	T12-003P	Jan-11	Aug-12	141.87%	238,147	763,739	(57,447)	-7.52%
23	I12-020001	Aug-06	Sep-10	161.09%	140,875,523	164,113,992	-	0.00%
24	I12-020027	Nov-11	Jul-12	200.78%	749,998	486,004	-	0.00%
25	I12-020099	Feb-10	Jul-12	126.81%	3,200,000	2,810,647	-	0.00%
26	I12-020010	Oct-10	Apr-13	98.38%	1,500,000	1,773,269	1,624,926	91.63%
27	I12-020025	Jul-12	Apr-13	94.79%	775,000	2,418,253	2,047,430	84.67%
28	I12-300003	Jan-11	Dec-13	75.09%	7,000,000	14,104,868	4,808,873	34.09%
29	IP-1202-9	Jan-14	Nov-14	0.00%	2,400,000	2,400,000	-	0.00%
30	IP-1202-10	Jan-14	Nov-14	0.00%	4,308,818	3,000,000	-	0.00%
31	IP-1202-11	Jan-14	Nov-14	0.00%	2,000,000	2,000,000	-	0.00%
32	IP-1202-13	Jan-14	Oct-14	0.00%	1,300,000	1,300,000	-	0.00%
33	IP-1202-16	Jan-14	Dec-14	0.00%	1,500,382	1,500,382	-	0.00%
34	IP-1202-20	Jan-14	Sep-14	0.00%	3,000,000	1,000,000	-	0.00%
35	IP-1202-23	Jan-14	Sep-14	0.00%	500,000	500,000	-	0.00%
36	IP-1202-27	Feb-14	Jul-14	0.00%	250,000	250,000	-	0.00%
37	IP-1202-39	Apr-14	Sep-14	0.00%	457,866	457,866	-	0.00%
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
					\$182,827,446	\$210,714,777	16,217,879	

Note: Investment Projects DV - S represent normal on-going construction expenditures and are comprised of numerous construction jobs. The cost of these projects can range from approximately \$1,000 to \$95,000. The construction period may be as little as one week or as long as two months.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012.00520
CONSTRUCTION WORK IN PROGRESS - PERCENT COMPLETE
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-4.1
Exhibits) Rate Base\K_RBT2 - revised.xls\Sch B-4
PAGE 2 OF 2
Witness Responsible L. Birdwell

DATA: __ BASE PERIOD __X__ FORECASTED PERIOD
TYPE OF FILING: __X__ ORIGINAL __ __UPDATED __ __REVISED
WORKPAPER REFERENCE NO(S): WP-1-13

Line No.	Project Number	Date Construction Begin	Estimated Completion Date	% of Elapsed Time	Original Budget Estimate	Current Budget Estimate	Total Project Expenditures	% of Total Expenditures to Budget Est.
1								
2	D12-**01-P	NA	NA	NA	NA	NA	\$385,661	NA
3	R12-**A1	NA	NA	NA	NA	NA	\$46,946	NA
4	R12-**B1	NA	NA	NA	NA	NA	\$386,406	NA
5	R12-**C1	NA	NA	NA	NA	NA	\$0	NA
6	R12-**D1	NA	NA	NA	NA	NA	\$88,161	NA
7	R12-**E1	NA	NA	NA	NA	NA	\$0	NA
8	R12-**F1	NA	NA	NA	NA	NA	\$0	NA
9	R12-**G1	NA	NA	NA	NA	NA	\$0	NA
10	R12-**H1	NA	NA	NA	NA	NA	\$0	NA
11	R12-**I1	NA	NA	NA	NA	NA	\$0	NA
12	R12-**J1	NA	NA	NA	NA	NA	\$0	NA
13	R12-**K1	NA	NA	NA	NA	NA	\$0	NA
14	R12-**L1	NA	NA	NA	NA	NA	\$424,008	NA
15	R12-**M1	NA	NA	NA	NA	NA	\$0	NA
16	R12-**N1	NA	NA	NA	NA	NA	\$0	NA
17	R12-**O1	NA	NA	NA	NA	NA	\$0	NA
18	R12-**P1	NA	NA	NA	NA	NA	\$233,153	NA
19	R12-**Q1	NA	NA	NA	NA	NA	\$19,394	NA
20	R12-**S1	NA	NA	NA	NA	NA	\$204,440	NA
21	T12-002-P	Jan-10	May-13	137.50%	12,771,812	11,835,857		1.73%
22	T12-003-P	Jan-11	Aug-12	226.12%	238,147	763,739		-7.96%
23	I12-020001	Aug-06	Sep-10	193.32%	140,875,523	164,113,592		0.00%
24	I12-020027	Nov-11	Jul-12	390.27%	749,998	486,004		0.00%
25	I12-020009	Feb-10	Jul-12	180.33%	3,200,000	2,810,647		0.00%
26	I12-020010	Oct-10	Apr-13	150.92%	1,500,000	1,773,269		0.00%
27	I12-020025	Feb-10	Apr-13	263.89%	775,000	2,418,253		0.00%
28	IP-1202-9	Jan-11	Dec-13	119.69%	7,000,000	14,104,868	\$4,320,971	30.63%
29	IP-1202-10	Jan-11	Nov-14	66.35%	2,400,000	2,400,000	\$165,660	6.90%
30	IP-1202-11	Jan-14	Jan-15	39.81%	4,308,818	3,000,000	\$121,194	4.04%
31	IP-1202-13	Jan-14	Nov-14	66.85%	2,000,000	2,000,000	\$111,997	5.60%
32	IP-1202-16	Jan-14	Oct-14	73.52%	1,300,000	1,300,000	\$144,887	11.15%
33	IP-1202-16	Jan-14	Dec-14	60.63%	1,500,282	1,500,282	\$118,129	7.87%
34	IP-1202-20	Jan-14	Dec-14	60.63%	3,000,000	1,000,000	\$87,644	8.76%
35	IP-1202-23	Jan-14	Sep-14	82.10%	500,000	500,000	\$42,236	8.45%
36	IP-1202-27	Feb-14	Jul-14	100.56%	250,000	250,000	\$21,572	8.63%
37	IP-1202-39	Apr-14	Sep-14	68.36%	457,866	457,866	\$49,615	10.84%
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
					\$182,827,446	\$210,714,777	\$6,851,268	

Note: Investment Projects DV - S represent normal on-going construction expenditures and are comprised of numerous construction jobs. The cost of these projects can range from approximately \$1,000 to \$95,000. The construction period may be as little as one week or as long as two months.

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
ALLOWANCE FOR WORKING CAPITAL
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B.5
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B.5
PAGE 1 OF 2
Witness Responsible L. Brinwell

DATA: X: BASE PERIOD: FORECASTED PERIOD
TYPE OF FILING: X: ORIGINAL: UPDATED: REVISED
WORKPAPER REFERENCE NO(S): SCH 5.1/5.2

Line No.	Working Capital Component	Description of Methodology Used to Determine Jurisdictional Requirement	Workpaper Reference	Total Company	Jurisdictional Percent	Jurisdictional Amount
1						
2						
3	Working Capital	Lead/Lag Study	B-5-2, Page 173	\$2,700,000	100.00%	\$2,700,000
4						
5						
6						
7	Materials and Supplies	24 Month Average Balance	B-5-1, Page 172	\$727,081	100.00%	\$727,081

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
ALLOWANCE FOR WORKING CAPITAL
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-5
Exhibits\Rate Base\K_RB12 - revised.xlsx, B-5
PAGE 2 OF 2
Witness Responsible L. Brinwell

DATA: __ BASE PERIOD __X__ FORECASTED PERIOD
TYPE OF FILING: __X__ ORIGINAL __ UPDATED __ REVISED
WORKPAPER REFERENCE NO(S): SCH 5.1/5.2

Line No.	Working Capital Component	Description of Methodology Used to Determine Jurisdictional Requirement	Workpaper Reference	Total Company	Jurisdictional Percent	Jurisdictional Amount
1						
2						
3						
4						
5						
6	Working Capital	Lead/Lag Study	B-5.2, Page 1/3	\$4,071,000	100.00%	\$4,071,000
7						
8						
9	Materials and Supplies	24 Month Average Balance	B-5.1, Page 2/2	\$727,081	100.00%	\$727,081
10						

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL COMPONENTS
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE S-1
Exhibits\Rate Base\K_0812 - revised.xlsx\CO B-5
PAGE 1 OF 2
Witness Responsible L. Briawell

DATA_X_BASE PERIOD ___ FORECAST PERIOD
TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1-5

Line No.	Description	24-Month Average For Period		Period Balance	
		Total Company	Jurisdictional Percent	Jurisdictional Amount	Jurisdictional Amount
1					
2					
3	Materials and Supplies				
4					
5					
6	Materials & Supplies	\$ 727,081	100.00%	\$727,081	\$727,081
7					
8				0	0
9					
10				\$727,081	\$727,081
11					
12					
13	Excel File Location: Exhibits\Rate Base\K\Y M&S.xlsx\Schedule				

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL - LEAD/LAG STUDY
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-5.2
Exhibits\Rate Base\K_RR12 - revised.xlsx\SCB B-5
PAGE 1 OF 6
Witness Responsible: L. Brinwell

DATA: X: BASE PERIOD: FORECASTED PERIOD
TYPE OF FILING: X: ORIGINAL: UPDATED: REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Description	Days	Amount	Reference
1				
2				
3	Total Operating Funds		<u>\$88,228,184</u>	SCHEDULE B-5.2/Page 2 of 6
4				
5	Average Daily Operating Funds		<u>241,721</u>	
6				
7	Composite Average Days Interval Between:			
8	(A) Date Service Furnished and Date Collections Deposited	39.07		SCHEDULE B-5.2/Page 3 of 6
9				
10	(B) Date Expenses Incurred and Date of Payment	<u>27.90</u>		SCHEDULE B-5.2/Page 2 of 6
11				
12	(C) Net Interval	<u>11.17</u>		
13				
14	Total Working Capital		<u>\$2,700,302</u>	
15				
16	Use		<u>\$2,700,000</u>	
17				
18				

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL - LEAD/LAG STUDY
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-5.2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B.5
PAGE 2 OF 6
Witness Responsible L. Brinwell

DATA_X_BASE PERIOD... FORECASTED PERIOD
TYPE OF FILING... ORIGINAL... UPDATED... REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Description	Amount	Post Payment or (Lead) Days	Dollar Days	Excel File Location
1					
2	Salaries & Wages	7,150,158	12.00	\$85,821,915	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
3	Fuel, Power and Electric	3,994,390	28.09	112,207,613	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
4	Chemicals	1,834,701	31.76	58,266,690	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
5	Purchased Water	335,669	48.44	16,258,184	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
6	Waste Disposal	318,460	34.18	10,885,936	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
7	Service Company Charges	8,951,414	(9.56)	(85,564,772)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
8	Contracted Services	854,325	27.56	(9,434,394)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
9	Group Insurance	1,275,452	(7.40)	(1,073,906)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
10	Opex	689,064	(1.56)	(1,073,906)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
11	Other Benefits	354,192	27.56	8,695,855	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
12	Pensions	1,025,878	8.48	(49,156,935)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
13	Insurance Other than Group	646,312	(76.06)	(1,009,580)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
14	Rents	35,782	(28.21)	38,736,259	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
15	Maintenance Service & Supplies	212,934	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
16	Regulatory Expense	1,207,922	32.07	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
17	Amortization	485,811	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
18	Uncollectibles	1,437,455	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
19	Office Supplies & Services	236,813	12.04	2,850,901	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
20	Employee Related Exp. Travel & Ent.	242,207	12.04	2,915,828	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
21	Other Operating Expenses	2,614,223	27.56	72,056,880	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
22	Total O & M Expenses	33,893,162		262,456,414	
23	Depreciation and Amortization	12,079,210	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
24	Property Taxes	4,125,012	188.73	782,658,856	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
25	Utility Tax	136,894	(178.27)	(24,403,473)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
26	Payroll Taxes	535,417	12.00	6,425,002	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
27	Income Taxes - Current - SIT	1,384,008	52.00	71,968,429	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
28	Income Taxes - Current - FIT	7,480,524	36.74	274,834,453	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
29	Deferred Income Taxes	1,381,142	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
30	Interest Expense - Long - Term Debt	12,053,984	90.01	1,085,012,854	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
31	Interest Expense - Short - Term Debt	62,061	13.21	943,657	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
32	Preferred Dividends	39,985	47.75	1,909,267	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
33	Net Income	15,046,785	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
34	Net Operating Funds	\$88,228,184		\$2,463,805,459	
35					
36					
37					
38					
39					
40	Average Days Interval between Date Expenses are Incurred and Date of Payment			27.90	
41					
42					
43	Lead Lag Days Excel file Reference:	Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)\Revised.xlsx\Linkout			
44					

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL - LEAD/LAG STUDY
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-5-2
Exhibits\Rate Base\K_RR12 - revised.xlsx\SCB B-5
PAGE 4 OF 6
Witness Responsible: L. Brinwell

DATA: __ BASE PERIOD __X__ FORECASTED PERIOD
TYPE OF FILING: __X__ ORIGINAL __ __ UPDATED __ __ REVISED
WORKING CAPITAL REFERENCE MO(S):
ADRIZ(4, 5 & 6)

Line No.	Description	Days	Amount	Reference
1				
2				
3	Total Operating Funds		<u>\$94,834,506</u>	SCHEDULE B-5-2/Page 5 of 6
4				
5	Average Daily Operating Funds		<u>259,821</u>	
6				
7	Composite Average Days Interval Between:			
8	(A) Date Service Furnished and Date Collections Deposited	38.55		SCHEDULE B-5-2/Page 6 of 6
9				
10	(B) Date Expenses Incurred and Date of Payment	<u>22.88</u>		SCHEDULE B-5-2/Page 5 of 6
11				
12	(C) Net Interval	<u>15.67</u>		
13				
14	Total Working Capital		<u>\$4,071,352</u>	
15				
16	Use		<u>\$4,071,000</u>	
17				
18				

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL - LEAD/LAG STUDY
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-2
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B.5
PAGE 5 OF 6
Witness Responsible L. Brinwell

DATA ___ BASE PERIOD ___ X ___ FORCASTED PERIOD
TYPE OF FILING ___ X ___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	DESCRIPTION	Amount	Post Payment or (Lead) Days	Dollar Days	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
1	Salaries & Wages	6,948,261	12.00	83,398,588	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
2	Fuel, Power and Electric	3,768,292	28.09	106,856,221	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
4	Chemicals	1,779,872	31.76		Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
5	Purchased Water	207,227	48.44	10,037,082	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
6	Waste Disposal	3,366,750	34.18	11,511,159	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
7	Service Company Charges	9,324,233	(9.56)	(89,128,481)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
8	Contracted Services	858,406	27.56	23,660,590	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
9	Group Insurance	1,430,524	(7.40)	(10,581,440)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
10	Opex	691,849	(15.9)	(1,078,247)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
11	Other Benefits	405,458	27.56	11,175,814	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
12	Pensions	984,329	8.48	8,343,667	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
13	Insurance Other than Group	670,126	(76.06)	(50,968,194)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
14	Rents	377,919	(28.21)	(1,069,864)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
15	Regulatory Expense	274,995	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
16	Maintenance Service & Supplies	1,104,638	32.07	35,424,086	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
17	Amortization	485,811	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
18	Uncollectibles	1,675,735	0.00	-	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
19	Office Supplies & Services	377,375	12.04	4,543,068	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
20	Employee Related Exp, Travel & Ent	190,707	12.04	2,295,845	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
21	Other Operating Expenses	2,423,686	27.56	66,895,309	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
22	Total O & M Expenses	33,976,206		203,970,394	
23	Depreciation and Amortization	13,406,863	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
24	Property Taxes	4,459,844	189.73	846,188,074	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
25	Utility Tax	126,399	(178.27)	(22,532,560)	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
26	Payroll Taxes	532,600	12.00	6,391,206	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
27	Income Taxes - Current - SIT	556,448	52.00	28,935,296	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
28	Income Taxes - Current - FIT	4,013,229	36.74	147,446,050	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
29	Deferred Income Taxes	3,718,675	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
30	Interest Expense - Long - Term Debt	12,483,472	90.01	1,123,672,239	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
31	Interest Expense - Short - Term Debt	63,445	15.71	964,709	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
32	Preferred Dividends	381,150	47.75	18,199,913	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
33	Net Income	21,116,176	0.00	0	Exhibits\Income Statement.xlsx\Inc Statement - SCH C.1
34	Net Operating Funds	\$94,894,506		\$2,170,235,321	
35					
36					
37					
38					
39	Average Days Interval between Date Expenses are Incurred and Date of Payment			22.88	
40					
41					
42	Lead Lag Days Excel file Reference:				Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)-Revised.xlsx\Linkout
43					

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
WORKING CAPITAL - LEAD/LAG STUDY
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-5.2
Exhibits\Rate Base\K_RR12 - revised.xlsx\Sch B.5
PAGE 6 OF 6
Witness Responsible: L. Brinwell

DATA: __ BASE PERIOD __ X__ FORECASTED PERIOD
TYPE OF FILING: __ X__ ORIGINAL __ __ UPDATED __ __ REVISED
WORKSHEET REFERENCE NO(S):
ADR219(4, 5 & 6)

Line No.	Revenues Amount	Median Service Days	Dollar Days	Excel File Reference
1				
2				
3	\$79,512,698	15.29	\$1,215,730,822	Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)-Revised.xlsx\RevenueLag
4				
5				
6				
7	2,219,440	15.86	36,786,318	Exhibits\Rate Base\KY Fire Serv Lead-Lag 2012.xlsx\Rev Lead Lag Ex
8	\$81,832,138		\$1,252,517,140	
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31	81,832,138		3,197,275,780	Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)-Revised.xlsx\RevenueLag
32	1,834,056		28,042,446	Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)-Revised.xlsx\RevenueLag
33				
34				
35				
36				
37	83,666,204		3,225,318,226	Exhibits\Rate Base\2012 RC KY Lead-Lag Study (SAP Format)-Revised.xlsx\RevenueLag

Total/Average Days' Interval between Number of Days from Date Services are Furnished to Date Collections are Received

Average Median Service Days 15.31
Number of Days between the Reading Date and the Billing Date 4.73
Number of Days between the Billing Date and the Date the Bills are Paid 19.03

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
DEFERRED CREDITS AND ACCUMULATED DEFERRED INCOME TAXES
AS OF MARCH 31, 2013

EXHIBIT 37, SCHEDULE B-6
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-6
PAGE 1 OF 2
Witness Responsible L. Bridwell

DATA: X_ BASE PERIOD ___ FORECASTED PERIOD
TYPE OF FILING: X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	Acct No.	Description	Workpaper Reference	Excel File Reference	Total Company	Jurisdictional Percent	Jurisdictional Amount
2	252	Customer Advances	W/P-1-6	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Erh DevAdv	\$ 13,545,381	100.00%	\$13,545,381
5	271	Contributions in Aid of Construction	W/P-1-7	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Erh CIAC	\$ 52,036,709		\$52,036,709
7	255	Investment Tax Credits:	W/P-1-9	Exhibits\Rate Base\KY ITC.xlsx\summary	\$61,653		\$61,653
8		Pre 1971 3% Credit					
9		1971-1975 4% Credit					
10		1975-12/31/85 10% Credit					
11							
12							
13							
14							
15	282	Deferred Taxes:					
16		Utility Plant in Service	W/P-1-8	Exhibits\Taxes\KY Deferred Taxes 2012-2014.xlsx\Schedule	\$53,409,622		\$53,409,622
17		Deferred Maintenance	W/P-1-8		1,255,149		1,255,149
18		Deferred Debits	W/P-1-8		616,164		616,164
19							
20							
21							
22							
23							
24					\$55,280,935		\$55,280,935

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
DEFERRED CREDITS AND ACCUMULATED DEFERRED INCOME TAXES
FROM AUGUST 2013 TO JULY 2014

EXHIBIT 37, SCHEDULE B-6
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B-6
PAGE 2 OF 2
Witness Responsible L. Bridwell

DATA: ___ BASE PERIOD ___ FORECASTED PERIOD
TYPE OF FILING: ___ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S): W/P-1

Line No.	Acct No.	Description	Workpaper Reference	Excel File Reference	Total Company	Jurisdictional Percent	Jurisdictional Amount	13-Month Average Balance
2								
3	252	Customer Advances	W/P-1-6	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Ech DevAdv	\$14,239,381	100.00%	\$14,239,381	\$13,957,893
4								
5	271	Contributions in Aid of Construction	W/P-1-7	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Ech CIAC	\$52,303,874			\$52,238,690
6								
7	255	Investment Tax Credits:	W/P-1-9	Exhibits\Rate Base\KY ITC.xlsx\summary	\$51,450		\$51,450	\$55,276
8		Pre 1971 3% Credit						
9		1971-1975 4% Credit						
10		1975-12/31/85 10% Credit						
11								
12								
13								
14								
15	282	Deferred Taxes:						
16		Utility Plant in Service	W/P-1-8	Exhibits\Taxes\KY Deferred Taxes 2012-2014.xlsx\Schedule	\$58,939,934		\$58,939,934	\$56,661,092
17		Deferred Maintenance	W/P-1-8		634,719		634,719	472,454
18		Deferred Debits	W/P-1-8		(40,708)		(40,708)	(29,606)
19								
20								
21								
22								
23								
24					\$59,533,946		\$59,533,945	\$57,109,941

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-00520
 JURISDICTIONAL PERCENTAGES

EXHIBIT 37, SCHEDULE B-7
 Exhibits (Rate Base)\K_RR12 - revised.xlsx\Sch B-7
 PAGE 1 OF 1
 Witness Responsible: L. Bridwell

DATA _X_ BASE PERIOD _X_ FORECASTED PERIOD
 TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Acct No.	Account Title	Jurisdictional Percentage	Description of Factors And/Or Method of Allocation
1				
2				
3				
4				

NOT APPLICABLE TO KENTUCKY-AMERICAN WATER COMPANY

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-00520
 JURISDICTIONAL STATISTICS - RATE BASE

EXHIBIT 37, SCHEDULE B-7.1
 Exhibits\Rate Base\K_RR12 - revised.xlsx\Sch B-7
 PAGE 1 OF 1
 Witness Responsible: L. Bridwell

DATA _X_ BASE PERIOD _X_ FORECASTED PERIOD
 TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Description	Statistic Total Company	Adjustment	Adjusted Statistic	Statistic For Rate Area	Allocation Factor
1						
2						
3						
4						

NOT APPLICABLE TO KENTUCKY-AMERICAN WATER COMPANY

KENTUCKY-AMERICAN WATER COMPANY
 Case No. 2012-00520
 EXPLANATION OF CHANGES IN JURISDICTIONAL PROCEDURES

EXHIBIT 37, SCHEDULE B-7.2
 Exhibits\Rate Base\K_RE12 - revised.xlsx Sch B-7
 PAGE 1 OF 1
 Witness Responsible: L. Bridwell

DATA _X_ BASE PERIOD _X_ FORECASTED PERIOD
 TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
 WORKPAPER REFERENCE NO(S):

Line No.	Act# No.	Description	Procedures Approved In Prior Rate Case	Rationale for Change
1				
2				
3				
4				

NOT APPLICABLE TO KENTUCKY-AMERICAN WATER COMPANY

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
COMPARATIVE BALANCE SHEETS
AS OF DECEMBER 31, 2007 - 2011 AND BASE AND FORECASTED PERIODS

EXHIBIT 37, SCHEDULE B-8
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B.8
PAGE 1 OF 2
Witness Responsible L. Bridwell

DATA: _X_ BASE PERIOD _X_ FORECASTED PERIOD
TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Description	Forecasted Period	% Change	Base Period	% Change	2011	% Change	2010	% Change	2009	% Change	2008	% Change	2007
2	Utility Plant													
3	Utility Plant in Service	\$628,290,378	4.99%	\$598,439,503	3.06%	\$580,644,329	3.06%	\$563,384,358	46.38%	\$384,865,343	4.16%	\$369,485,721	6.99%	\$345,341,374
4	CWIP	6,851,268	-57.75%	16,217,879	59.37%	10,176,232	40.88%	7,223,273	-94.80%	138,797,378	154.67%	54,501,130	155.76%	21,309,716
5	Accum Prov - Depr/Amort	(136,664,385)	6.71%	(128,076,322)	21.86%	(105,103,645)	6.92%	(98,304,331)	8.09%	(90,949,724)	8.00%	(84,212,709)	4.70%	(80,434,539)
6	UPAA	254,000	1.30%	254,000		250,720	-4.70%	263,109	-7.45%	284,296	-8.55%	310,871	-4.87%	326,777
7	Total Net Utility Plant	498,731,260	-46.06%	486,835,061	85.60%	485,967,646	46.16%	472,566,409	-47.78%	432,997,293	158.28%	340,085,013	162.58%	286,543,328
8														
9	Other Property and Investments													
10	Non-Utility Property	250,000	0.00%	250,000	0.10%	249,738	-7.57%	270,193	0.00%	270,193	0.00%	270,193	8.19%	249,738
11	Accum Prov - Depr/Amort													
12	Investment in Assoc. Co's													
13	Other Investments													
14	Total Other Property and Investments	250,000	0.00%	250,000	0.10%	249,738	-7.57%	270,193	0.00%	270,193	0.00%	270,193	8.19%	249,738
15														
16	Current and Accrued Assets													
17	Cash and Cash Equivalents	\$ -	0.00%	\$ -	-100.00%	282,053	4.87%	268,962	52.60%	176,259	-24.80%	234,378	-41.15%	398,277
18	Temporary Cash Investments													
19	Customer Accounts Receivable	2,885,538	8.44%	2,661,000	-5.85%	2,826,297	-6.14%	3,011,145	15.27%	2,612,228	11.52%	2,342,465	21.49%	1,928,082
20	Accum Prov - Uncollectibles	0	0.00%	0	-100.00%	(542,769)	33.42%	(406,809)	46.86%	(277,011)	1.34%	(273,356)	22.41%	(223,309)
21	Accrued Utility Revenues	4,300,462	26.15%	3,409,000	-12.43%	3,893,019	-11.76%	4,412,023	36.57%	3,230,672	11.41%	2,899,825	13.18%	2,562,043
22	Income Tax Refund due From Assoc. Co	0	0.00%	0	-100.00%	0	0	0	-82.60%	4,205,976	920.55%	412,129	109.98%	388,038
23	Misc Accounts Receivable	0	0.00%	0	5.19%	691,214	-7.51%	747,354	15.82%	645,292	11.82%	577,106	-9.06%	196,269
24	Materials and Supplies	341,000	-1.45%	346,000	82.95%	189,120	0.91%	187,421	-48.34%	362,811	-26.64%	494,557	316.29%	118,800
25	Other													
26	Total Current and Accrued Assets	8,254,081	-1.45%	7,143,081	-11.86%	7,676,186	-60.53%	8,952,102	-115.12%	10,956,227	905.72%	6,687,104	317.21%	6,002,834
27														
28	Deferred Debits													
29	Unamortized Debt and Preferred Stock Expense	\$ -	0.00%	0	-100.00%	1,803,685	-4.56%	1,889,834	11.84%	1,689,840	112.45%	795,392	-5.97%	845,867
30	Unamortized Rate Case	0	0.00%	0	-100.00%	359,517	-32.64%	533,742	8.51%	491,878	-11.20%	553,892	13.99%	485,893
31	Expenses													
32	Preliminary Survey and Investigation Charges	12,556,714	9.03%	11,516,411	-100.00%	52,204	0.00%	52,204	0.00%	52,204	-58.46%	125,657	0.00%	125,657
33	Misc Deferred Debits	12,556,714	9.03%	11,516,411	-9.47%	12,183,164	-0.09%	12,194,497	8.74%	11,214,568	2.99%	10,888,614	-7.33%	11,749,972
34	Total Deferred Debits	25,113,428	9.03%	23,032,822	-305.47%	14,398,570	-37.29%	14,670,277	29.08%	13,448,490	45.80%	12,363,555	0.70%	13,207,389
35														
36	Total Assets	\$519,792,056	-38.47%	\$505,744,553	-231.63%	\$508,292,141	-59.24%	\$496,458,981	-133.81%	\$457,672,203	1109.80%	\$359,405,866	488.68%	\$306,003,289

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520
COMPARATIVE BALANCE SHEETS
AS OF DECEMBER 31, 2007 - 2011 AND BASE AND FORECASTED PERIODS

EXHIBIT 37, SCHEDULE B-8
Exhibits\Rate Base\K_RB12 - revised.xlsx\Sch B.8
PAGE 2 OF 2
Witness Responsible L. Bridwell

DATA: _X_ BASE PERIOD _X_ FORECASTED PERIOD
TYPE OF FILING: _X_ ORIGINAL ___ UPDATED ___ REVISED
WORKPAPER REFERENCE NO(S):

Line No.	Description	Forecasted Period	% Change	Base Period	% Change	2011	% Change	2010	% Change	2009	% Change	2008	% Change	2007
2	Common Equity													
3	Common Stock Issued	\$36,569,000	0.00%	\$36,569,000	0.00%	\$36,568,777	0.00%	\$36,568,777	0.00%	\$36,568,777	0.00%	\$36,568,777	0.00%	\$36,568,777
4	Paid-In-Capital	82,124,615	1.60%	\$80,829,000	8.11%	74,767,650	0.11%	74,688,528	31.83%	56,656,045	134.83%	24,126,505	199.47%	8,056,319
5	Retained Earnings	53,102,800	31.69%	40,325,157	-8.22%	43,936,694	11.35%	39,457,813	12.04%	35,217,881	7.33%	32,812,189	8.79%	30,159,867
6	Total Common Equity	171,796,415	33.29%	157,723,157	-0.11%	155,273,121	11.46%	150,715,118	43.87%	128,442,703	142.16%	93,507,471	208.27%	74,784,963
8	Preferred Stock Issued	4,482,398	0.01%	4,481,756	210.03%	1,445,600	0.00%	1,445,600	-0.69%	1,455,600	0.00%	1,455,600	-0.76%	1,466,700
9	Long-Term Debt	199,750,138	2.99%	193,955,717	0.81%	192,390,000	11.60%	172,390,000	15.32%	149,490,000	84.10%	81,200,000	-3.68%	84,300,000
10	Current Portion - LTD			0	-100.00%	3,100,000	0.00%	3,100,000	0.00%	3,100,000	0.00%	3,100,000	0.00%	3,100,000
11	Total Capitalization	376,028,952	36.29%	356,160,630	210.73%	349,108,721	-76.94%	327,650,718	58.50%	282,488,303	226.26%	179,263,071	203.83%	163,651,663
12														
13														
14	Current and Accrued Liabilities													
15	Notes Payable	\$ 4,355,974	-71.01%	15,027,595	36.17%	11,035,902	-19.63%	13,731,627	-48.09%	26,452,050	-8.96%	51,825,821	186.08%	18,115,917
16	Accounts Payable	4,853,000	32.20%	3,671,000	-45.27%	6,707,820	11.19%	6,032,920	-48.09%	11,622,704	37.63%	8,445,101	29.78%	6,507,358
17	Accrued Taxes	68,131	-102.97%	(2,592,000)	68.131	(4,175,765)	-60.35%	(10,532,455)	-53.28%	2,425,290	-720.72%	(990,722)	-108.04%	4,862,016
18	Accrued Interest	3,458,000	-14.04%	4,023,000	108.88%	1,925,961	3.13%	1,867,573	5.38%	1,772,268	54.16%	1,149,643	0.56%	1,143,224
19	Customer Deposits													
20	Dividends Declared													
21	Other	3,424,231	15.29%	2,970,000	-29.92%	4,238,285	-40.89%	7,170,590	58.80%	4,515,438	-21.47%	5,750,304	75.98%	3,267,524
22	Total Current and Accrued Liabilities	16,159,336	-140.54%	23,399,595	24.74%	19,732,205	-106.57%	18,270,255	-566.28%	48,794,010	-699.37%	66,780,147	184.37%	33,896,039
23														
24														
25	Deferred Credits													
26	Customer Advances	13,997,843	3.34%	13,245,381	6.87%	12,675,126	-0.78%	12,774,225	-4.97%	13,441,748	12.80%	11,916,027	-18.68%	14,653,091
28	Deferred Income Taxes	57,103,941	3.30%	55,280,935	-4.40%	57,826,951	-16.61%	69,347,781	51.20%	45,865,094	20.85%	37,953,254	14.76%	33,072,254
29	Accumulated Deferred FTC	704,000	-9.04%	774,000	-11.91%	878,623	-8.80%	963,420	-8.09%	1,048,217	-7.48%	1,133,014	-6.96%	1,217,811
30	Other	2,975,613	-23.83%	3,906,463	-78.81%	18,432,167	-2.62%	18,927,435	2.70%	18,429,004	18.55%	15,544,878	-2.40%	15,927,116
31	Total Deferred Credits	74,781,397	-26.23%	73,506,779	-88.25%	89,812,867	-28.81%	102,012,862	40.85%	78,784,063	44.72%	66,547,173	-13.28%	64,870,272
32														
33														
34	Contributions in Aid of Construction	52,238,690	0.39%	52,046,709	4.83%	49,638,348	2.29%	48,525,146	1.93%	47,605,827	1.69%	46,815,475	7.41%	43,585,315
35														
36														
37	Total Liabilities	\$519,208,374	-130.09%	\$505,103,713	152.05%	\$508,292,141	-210.02%	\$496,458,981	-465.00%	\$457,672,203	-426.70%	\$359,405,866	382.33%	\$306,003,289

Exhibits \Income Statement.xlsx\Inc Statement - SCH C-1
Exhibits \Income Statement.xlsx\Inc Statement - SCH C-1

Kentucky American Water Company
Case No. 2012-00520
Jurisdictional Operating Income Summary for the Base and Forecasted Periods

Data: X\Base Period_X_Forecast Period
Version: X_Original_Updated_ Revised

Line No.	Major Acct Group	Description	Supporting Schedule Reference	Base Period Ended 3/31/2013	Adjustment for Forecast at Present Rates	Forecast Year Ended 7/31/2014 At Present Rates	Adjustment for Proposed Rates	Forecast Year at Proposed Rates	Forecast Adjustment Worksheet	Forecast Location
1		Operating Revenues								
2	400	Water Revenues	Exh 37 C-2	\$ 84,830,506	\$ (2,998,368)	\$ 81,832,138	\$ 10,606,679	\$ 92,438,816	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit
3	400	Other Revenues	Exh 37 C-2	2,452,254	1,001,311	3,453,565	346,149	3,799,714	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit
4	420	AFUDC	Exh 37 C-3	-	491,629	491,629	-	491,629	W/P - 1-4	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\AFUDC Activiti
5	Total	Total Revenues (Sum Lines 2-3)		\$ 87,282,760	\$ (1,505,427)	\$ 85,777,332	\$ 10,952,827	\$ 96,730,160		
6		Operating Expenses								
7	401	O&M:								
9		Purchased Water	Exh 37 C-2	\$ 335,669	\$ (128,442)	\$ 207,227	\$ -	\$ 207,227	W/P - 3-2	Exhibits\Expense\Purchased Water Expense Exhibit.xlsx\Exhibit
10		Fuel & Power	Exh 37 C-2	3,994,390	(226,098)	3,768,292	-	3,768,292	W/P - 3-3	Exhibits\Expense\Fuel and Power Expense Exhibit.xlsx\Exhibit
11		Chemicals	Exh 37 C-2	1,834,701	(54,829)	1,779,872	-	1,779,872	W/P - 3-4	Exhibits\Expense\Chemical Expense Exhibit.xlsx\Exhibit
12		Waste Disposal	Exh 37 C-2	318,460	18,290	336,750	-	336,750	W/P - 3-5	Exhibits\Expense\Waste Disposal Expense Exhibit.xlsx\Exhibit
13		Salaries and Wages	Exh 37 C-2	7,150,158	(201,897)	6,948,261	-	6,948,261	W/P - 3-1	Exhibits\Expense\Labor and Labor Related Expense Exhibit.xlsx\Exhibit
14		Pension	Exh 37 C-2	1,025,878	(41,549)	984,329	-	984,329	W/P - 3-1c	Exhibits\Expense\Labor and Labor Related Expense Exhibit.xlsx\Exhibit
15		Group Insurance	Exh 37 C-2	1,964,516	157,857	2,122,373	-	2,122,373	W/P - 3-1a	Exhibits\Expense\Labor and Labor Related Expense Exhibit.xlsx\Exhibit
16		Other Benefits	Exh 37 C-2	354,192	51,267	405,458	-	405,458	W/P - 3-1b	Exhibits\Expense\Labor and Labor Related Expense Exhibit.xlsx\Exhibit
17		Support Services	Exh 37 C-2	8,951,414	372,820	9,324,233	-	9,324,233	W/P - 3-7	Exhibits\Expense\Contract Services.xlsx\Exhibit
18		Contract Services	Exh 37 C-2	854,325	4,081	858,406	-	858,406	W/P - 3-18	Exhibits\Expense\Contract Services.xlsx\Exhibit
19		Building Maintenance & Services	Exh 37 C-2	524,208	(45,250)	478,958	-	478,958	W/P - 3-12	Exhibits\Expense\Building Maint & Services.xlsx\Exhibit
20		Telecommunications	Exh 37 C-2	286,997	(29,628)	257,369	-	257,369	W/P - 3-14	Exhibits\Expense\Telecommunication Expenses.xlsx\Exhibit
21		Postage, Printing, & Stationary	Exh 37 C-2	33,775	1,983	35,758	-	35,758	W/P - 3-15	Exhibits\Expense\Postage, shipping, printing Exhibit.xlsx\Exhibit
22		Other Supplies & Services	Exh 37 C-2	236,813	140,562	377,375	-	377,375	W/P - 3-16	Exhibits\Expense\Office Supplies & Expenses.xlsx\Exhibit
23		Advertising & Marketing	Exh 37 C-2	29,862	(29,862)	-	-	-	W/P - 3-17	Exhibits\Expense\Advertising & Mktg.xlsx\Exhibit
24		Employee Related Expense	Exh 37 C-2	242,207	(51,500)	190,707	-	190,707	W/P - 3-19	Exhibits\Expense\Employee Related Expenses.xlsx\Exhibit
25		Miscellaneous Expense	Exh 37 C-2	1,299,821	(129,274)	1,170,548	-	1,170,548	W/P - 3-20	Exhibits\Expense\Miscellaneous Expense.xlsx\Exhibit
26		Rents	Exh 37 C-2	35,782	2,137	37,919	-	37,919	W/P - 3-11	Exhibits\Expense\Rent Expense Exhibit.xlsx\Exhibit
27		Transportation	Exh 37 C-2	439,561	41,503	481,064	-	481,064	W/P - 3-21	Exhibits\Expense\Transportation.xlsx\Exhibit
28		Uncollectible Accounts	Exh 37 C-2	300,934	180,869	481,803	63,072	544,875	W/P - 3-10	Exhibits\Expense\Uncollectibles Exhibit.xlsx\Exhibit
29		Other Customer Accounting	Exh 37 C-2	1,136,521	57,411	1,193,932	-	1,193,932	W/P - 3-9	Exhibits\Expense\Other Customer Accounting - Postage.xlsx\Exhibit - Customer Acctg
30		Regulatory Expense	Exh 37 C-2	212,934	62,061	274,995	-	274,995	W/P - 3-6	Exhibits\Expense\Rate Case Expense Exhibit.xlsx\Exhibit
31		Insurance Other Than Group	Exh 37 C-2	646,312	23,814	670,126	-	670,126	W/P - 3-22	Exhibits\Expense\OTG Expense Exhibit.xlsx\Exhibit
32		Maintenance Supplies & Services	Exh 37 C-2	1,693,733	(103,284)	1,590,449	-	1,590,449	W/P - 3-13	Exhibits\Expense\Maintenance Expense Exhibit.xlsx\Exhibit
33	Total	Total O&M Expenses (Sum of Lines 9-32):		\$ 33,908,162	\$ (73,043)	\$ 33,976,206	\$ 63,072	\$ 34,039,278		
34		Other Expenses								
36	403	Depreciation	Exh 37 C-2	\$ 10,182,567	\$ 1,410,056	\$ 11,592,623	\$ -	\$ 11,592,623	W/P - 4-1	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Exh Depr Exp
37	406	Amortization of UPAA	Exh 37 C-2	6,421	(6,421)	-	-	-	W/P - 4-2	Exhibits\Expense\Amortization 12.xlsx\Exhibit
38	407	Amortization Expense	Exh 37 C-2	200,598	9,663	210,261	-	210,261	W/P - 4-2	Exhibits\Expense\Amortization 12.xlsx\Exhibit
39	403	Removal costs	Exh 37 C-2	1,689,625	(85,646)	1,603,978	-	1,603,978	W/P - 4-3	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\Exh COR Exp
40		State Income Tax	Exh 37 C-2	-	-	-	-	-		
41	409	Current State Income Tax	Exh 37 C-2	1,384,008	(827,560)	556,448	652,416	1,208,864	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.4 State Inc Tax Forecast	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.4 State Inc Tax Forecast
42	410	Deferred State Income Tax	Exh 37 C-2	181,565	515,546	697,111	-	697,111	SCHEDULE E-1.4	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.4 State Inc Tax Forecast
43		Federal Tax	Exh 37 C-2	-	-	-	-	-	SCHEDULE E-1.4	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.3 Federal Inc Tax Forecast
44	409	Current Federal Income Tax	Exh 37 C-2	7,480,524	(3,467,295)	4,013,229	3,577,401	7,590,631	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.3 Federal Inc Tax Forecast	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.3 Federal Inc Tax Forecast
45	410	Deferred Federal Income Tax	Exh 37 C-2	1,199,577	1,821,987	3,021,564	-	3,021,564	SCHEDULE E-1.3	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.3 Federal Inc Tax Forecast
46	412	Investment Tax Credits	Exh 37 C-2	(63,597)	(21,195)	(84,792)	-	(84,792)	SCHEDULE E-1.3	Exhibits\Taxes\Income Tax Expense 11272012.xlsx\E-1.3 Federal Inc Tax Forecast
47	408	General taxes	Exh 37 C-2	4,797,323	326,884	5,124,207	16,189	5,140,397	W/P - 5	Exhibits\Expense\General Tax.xlsx\Exhibit - General Tax
48		Total Other Expense (Sum of Lines 36-41)		\$ 27,058,611	\$ (323,981)	\$ 26,734,630	\$ 4,246,007	\$ 30,980,637		
49		Total Expenses (Line 33 + Lines 42):		\$ 60,961,773	\$ (250,937)	\$ 60,710,836	\$ 4,309,079	\$ 65,019,914		
50		Utility Operating Income (Line 5 - Line 44):		\$ 26,320,987	\$ (1,254,490)	\$ 25,066,497	\$ 6,643,749	\$ 31,710,245		

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Jurisdictional Operating Income Summary
Breakdown by Major Account Group & Individual Account

Data: X Base Period X Forecast Period
Version: X Original _Updated _Revised

Exhibit 37, Schedule C-2
Exhibits\Income Statement.xlsx\MSFR Inc Stmt by Acct - SCH C.2

Line #	Major NARUC Group	Financial Statement Grouping	SAP GL Account	SAP GL Acct Descrpt	96 NARUC Account	Base Period 12 Months Ended 3/31/2013	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo. Ended 7/31/2014
1								
2	400	Water revenues	40111000	Res Sales Billed	461.1	\$ 45,167,276	\$ (733,743)	\$ 44,433,533
3			40112000	Res Sales Unbilled	461.1	470,610	\$ (470,610)	(0)
4			40121000	Com Sales Billed	461.2	21,885,893	\$ (498,054)	21,387,839
5			40122000	Com Sales Unbilled	461.2	177,267	\$ (177,267)	0
6			40131000	Ind Sales Billed	461.3	2,193,794	\$ (46,357)	2,147,437
7			40132000	Ind Sales Unbilled	461.3	22,966	\$ (22,966)	0
8			40141000	Publ Fire Billed	462.1	2,525,108	\$ 819,452	3,344,560
9			40145000	Priv Fire Billed	462.2	3,154,381	\$ (834,941)	2,319,440
10			40151000	Publ Auth Billed	461.4	6,933,633	\$ (608,150)	6,325,483
11			40152000	Publ Auth Unbilled	461.4	175,624	\$ (175,624)	(0)
12			40161000	Sls/Rsle Billed	466.	1,985,725	\$ (156,204)	1,829,521
13			40161050	Sls/Rsle Billed I/C	467.	19,217	\$ (19,217)	-
14			40162000	SalesforRsle Unbilled	466.	17,270	\$ (17,270)	0
15			40171000	Misc Sales Billed	474.	21,254	\$ (21,254)	(0)
16			40189900	Other Water Revenue	474.	80,489	\$ (36,163)	44,326
17				Total		84,830,506	(2,998,368)	81,832,138
18								
19	420	AFUDC			420	-	-	491,629
20					Total	-	-	491,629
21								
22	400	Other revenues	40310100	OthRev-Late Pymt Fee	470.	228,124	451,876	680,000
23			40310200	OthRev-Rent	472.	92,757	(957)	91,800
24			40310250	OthRev-Rent I/C	469.	277,643	(177,643)	100,000
25			40310300	OthRev-CFO	471.	706,072	965,580	1,671,653
26			40310400	OthRev-NSF Ck Chrg	471.	28,708	3,434	32,142
27			40310500	OthRev-Appl/InitFee	471.	612,461	(1,609)	610,852
28			40310600	OthRev-Usage Data	471.	1,300	(1,300)	-
29			40310700	OthRev-Reconncct Fee	471.	471,424	(212,152)	259,272
30			40319900	OthRev-Misc Svc	471.	33,265	(25,418)	7,847
31			40359900	OthRev WW-Misc Svc	536.	500	(500)	-
32				Total		2,452,254	1,001,311	3,453,565
33								
34	401	Purchased water	51010000	Purchased Water	610.1	335,669	(128,442)	207,227
35			51015000	Purchased Water I/C	610.1	-	-	-
36				Total		335,669	(128,442)	207,227
37								
38	401	Fuel and power	51510000	Purchased Power	615.8	850,705	(850,705)	-
39			51510011	Purchased Power SS	615.1	21,752	4,372	26,124
40			51510012	Purchased Power P	615.1	525,671	105,650	631,321
41			51510013	Purchased Power WT	615.3	2,590,120	520,565	3,110,685
42			51510014	Purchased Power TD	615.5	135	27	163
43			51520000	Fuel for Power Prod	616.1	6,007	(6,007)	-
44				Total		3,994,390	(226,098)	3,768,292
45								
46	401	Chemicals	51800000	Chemicals	618.3	1,834,701	(54,829)	1,779,872
47				Total		1,834,701	(54,829)	1,779,872
48								
49	401	Waste Disposal	51110000	Waste Disposal	675.3	218,460	12,547	231,007
50			51120000	Amort Waste Disposal	675.3	100,000	5,743	105,743
51				Total		318,460	18,290	336,750
52								
53	401	Salaries and wages	50100000	Labor Expense	601.8	3,603,542	(3,603,542)	-
54			50100001	Labor ExpenseAccrual	601.8	104,440	(104,440)	-
55			50101300	Labor Oper WT	601.3	637,716	1,131,392	1,769,108
56			50101305	Labor Oper WT SupEng	601.3	391,131	693,918	1,085,049
57			50101400	Labor Oper TD	601.5	481,085	853,508	1,334,593
58			50101405	Labor Oper TD SupEng	601.5	19,424	34,460	53,884
59			50101415	Labor Oper TD Lines	601.5	75,115	133,264	208,379
60			50101420	Labor Oper TD Meter	601.5	266,964	473,630	740,594
61			50101500	Labor Oper CA	601.7	14,477	25,683	40,160
62			50101510	Labor Oper CA MtrRd	601.7	157,336	279,135	436,471
63			50101520	Labor Oper CA CstSrv	601.7	52,797	93,668	146,465
64			50101600	Labor Oper AG	601.8	226,420	401,699	628,120
65			50102100	Labor Maint SS	601.2	4,275	7,585	11,860
66			50102125	Labor Mnt SS Wells	601.2	0	-	0
67			50102200	Labor Maint P	601.2	17,930	31,810	49,740
68			50102300	Labor Maint WT	601.4	64,780	114,928	179,708
69			50102305	Labor Mnt WT Sup&Eng	601.4	3,784	6,713	10,496
70			50102400	Labor Maint TD	601.6	27,279	48,397	75,676
71			50102410	Labor Mnt TD Str&Imp	601.6	1,994	3,537	5,530
72			50102415	Labor Mnt TD DistRes	601.6	983	1,744	2,726
73			50102420	Labor Mnt TD Mains	601.6	74,875	132,838	207,713
74			50102430	Labor Mnt TD Service	601.6	130,608	231,715	362,323
75			50102435	Labor Mnt TD Meter	601.6	17,057	30,261	47,318
76			50102440	Labor Mnt TD Hydrant	601.6	70,179	124,507	194,686
77			50109900	Labor Cap Credits	601.8	(211,951)	(1,037,732)	(1,249,682)
78			50110000	Labor NS OT -Natural	601.8	313,832	(313,832)	-
79			50111300	LaborOper NS OT WT	601.3	95,737	119,251	214,988
80			50111305	LaborOperNS OT WT SE	601.3	14,854	18,503	33,357
81			50111400	LaborOper NS OT TD	601.5	6,516	8,116	14,633
82			50111405	LaborOperNS OT TD SE	601.5	0	-	0
83			50111415	LaborOperNS OT TD Ln	601.5	4,094	5,099	9,193
84			50111420	LaborOperNS OT TD Mt	601.5	47,229	58,829	106,057

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Jurisdictional Operating Income Summary
Breakdown by Major Account Group & Individual Account

Data: X Base Period X Forecast Period
Version: X Original _Updated _Revised

Exhibit 37, Schedule C-2
Exhibits\[Income Statement.xlsx]MSFR Inc Stmt by Acct - SCH C.2

Line #	Major NARUC Group	Financial Statement Grouping	SAP GL Account	SAP GL Acct Descrpt	96 NARUC Account	Base Period 12 Months Ended 3/31/2013	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo. Ended 7/31/2014
169	401	Building maintenance and services	52532000	Electricity	675.8	39,295	-39,295	0
170			52532013	Electricity WT	675.3	1,586	815	2,402
171			52532014	Electricity TD	675.5	41,439	21,297	62,736
172			52532016	Electricity AG	675.8	55,847	28,702	84,549
173			52546013	Grounds Keeping WT	675.3	16,655	-16,655	0
174			52546014	Grounds Keeping TD	675.5	1,517	-1,517	0
175			52546016	Grounds Keeping AG	675.8	1,204	-1,204	0
176			52548000	Heating Oil/Gas	675.8	23,882	-23,882	0
177			52548014	Heating Oil/Gas TD	675.5	8,190	15,655	23,846
178			52548016	Heating Oil/Gas AG	675.8	8,687	16,604	25,290
179			52550000	Janitorial	675.8	22,030	-22,030	0
180			52550012	Janitorial P	675.1	196	49	245
181			52550013	Janitorial WT	675.3	8,025	2,012	10,037
182			52550016	Janitorial AG	675.8	62,234	15,604	77,839
183			52571013	Security Svc WT	675.3	6,734	-6,734	0
184			52571016	Security Svc AG	675.8	3,808	-3,808	0
185			52571100	Add'l Security Costs	675.8	136,368	-43,453	92,915
186			52578000	Trash Removal	675.8	6,253	-6,253	0
187			52578011	Trash Removal SS	675.1	5,245	2,483	7,729
188		52578013	Trash Removal WT	675.3	1,821	862	2,682	
189		52578014	Trash Removal TD	675.5	7,016	3,322	10,338	
190		52578016	Trash Removal AG	675.8	2,184	1,034	3,218	
191		52583000	Water & WW	675.8	18,611	-18,611	0	
192		52583011	Water & WW SS	675.1	26,478	17,360	43,838	
193		52583013	Water & WW WT	675.3	21	13	34	
194		52583016	Water & WW AG	675.8	18,882	12,380	31,262	
195					Total	524,208	-45,250	478,958
196								
197	401	Telecommunication expenses	52574000	Telephone	675.8	38,978	-38,978	
198			52574013	Telephone WT	675.3	10,577	361	10,938
199			52574015	Telephone CA	675.7	97,262	3,322	100,584
200			52574016	Telephone AG	675.8	42,924	1,466	44,390
201			52574100	Cell Phone	675.8	24,806	-24,806	
202			52574113	Cell Phone WT	675.3	669	268	936
203			52574114	Cell Phone TD	675.5	10,190	4,080	14,270
204			52574115	Cell Phone CA	675.7	1,912	766	2,678
205			52574116	Cell Phone AG	675.8	59,680	23,894	83,573
206						Total	286,997	-29,628
207								
208	401	Postage, printing and stationery	52562500	Overnight Shippng	675.8	9,336	-9,336	
209			52562513	Overnight Shippng WT	675.3	7,277	4,995	12,271
210			52562514	Overnight Shippng TD	675.5	12	9	21
211			52562516	Overnight Shippng AG	675.8	10,712	7,353	18,066
212			52566000	Postage	675.8	1,175	-1,175	
213			52566016	Postage AG	675.8	5,262	138	5,400
214					Total	33,775	1,983	35,758
215								
216	401	Office supplies and services	52510016	Bank Svc Charges-AG	675.8	0	0	0
217			52526000	Credit Line Fees	675.8	19,601	-19,601	0
218			52526100	Credit Line Fees I/C	675.8	38,290	59,667	97,957
219			52542016	Forms AG	675.8	1,439	587	2,026
220			52562000	Office Supplies	675.8	12,632	-12,632	
221			52562013	Off&Adm Supplies WT	675.3	7,290	4,926	12,215
222			52562014	Off&Adm Supplies TD	675.5	9,325	6,301	15,625
223			52562015	Off&Adm Supplies CA	675.7	94	506	600
224			52562016	Off&Adm Supplies AG	675.8	13,226	8,937	22,162
225			52571500	Software Licenses	675.8	103,062	85,458	188,520
226			52582000	Uniforms	675.7	10,357	-10,357	
227			52582013	Uniforms WT	675.3	9,942	7,606	17,548
228			52582014	Uniforms TD	675.5	11,741	8,982	20,722
229			52599800	PCard Undistributed	675.8	-185	185	0
230					Total	236,813	140,562	377,375
231								
232	401	Advertising & marketing expenses	52503000	Advertising	660.8	29,862	-29,862	0
233					Total	29,862	-29,862	0
234								
235	401	Employee Related Expense	52534000	Employee Expenses	675.8	133,836	-37,141	96,695
236			52534200	Conferences & Reg	675.8	14,515	26,907	41,422
237			52535000	Meals Deductible	675.8	83,166	-56,871	26,295
238			52535100	Meals Nondeductible	675.8	10,689	15,606	26,295
239					Total	242,207	-51,500	190,707
240								
241	401	Miscellaneous expenses	52000000	M&S Expense (O&M)	620.5	58,595	-58,595	
242			52001300	M&S Oper WT	620.3	33,674	-1,325	32,349
243			52001400	M&S Oper TD	620.5	84,180	-3,312	80,868
244			52001600	M&S Oper AG	620.8	112,281	-4,418	107,863
245			52500000	Misc Expense (O&M)	675.8	50,610	-50,610	
246			52501100	Misc Oper SS	675.1	8,605	-4,366	4,239

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Jurisdictional Operating Income Summary
Breakdown by Major Account Group & Individual Account

Data: X Base Period X Forecast Period
Version: X Original _Updated _Revised

Exhibit 37, Schedule C-2
Exhibits\[Income Statement.xlsx\]MSFR Inc Stmt by Acct - SCH C.2

Line #	Major NARUC Group	Financial Statement Grouping	SAP GL Account	SAP GL Acct Descrpt	96 NARUC Account	Base Period 12 Months Ended 3/31/2013	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo. Ended 7/31/2014
247			52501200	Misc Oper P	675.1	-16	8	-8
248			52501300	Misc Oper WT	675.3	27,596	-14,001	13,595
249			52501400	Misc Oper TD	675.5	48,745	-24,730	24,014
250			52501600	Misc Oper AG	675.8	300,476	-152,445	148,031
251			52514500	Charitb Don-H/Ed/En	675.8	40,750	57,250	98,000
252			52514600	Charitb Don-Commnty	675.8	26,250	26,000	52,250
253			52514700	Community Partnrshps	675.8	56,050	19,050	75,100
254			52514901	Cust Edu Comm-Reg	675.8		5,000	5,000
255			52514903	Cust Edu Comm-Issues	675.8	2,203	3,797	6,000
256			52514904	Cust Edu Comm-Consrsv	675.8	27,463	82,537	110,000
257			52514905	Cust Edu Comm-Printd	675.8	16,172	16,328	32,500
258			52514907	Cust Edu-Press Rls	675.8		3,000	3,000
259			52514908	Cust Edu-MediaEditor	675.8		500	500
260			52514909	Cust Edu-Video&Photo	675.8	300	12,900	13,200
261			52515000	Commun Relations-E	675.8	6,277	6,323	12,600
262			52515001	Commun Relations-S	675.8	7,738	-238	7,500
263			52522000	Community Relations	675.8	6,189	-3,689	2,500
264			52524000	Co Dues/Mmbrshp Ded	675.8	80,387	10,640	91,027
265			52527000	Directors Fees	675.8	41,486	-5,486	36,000
266			52548100	Hiring Costs	675.8	305	-305	0
267			52549000	Injuries and Damages	675.8	20,813	-14,813	6,000
268			52554500	Lab Supplies	675.3	79,133	42,392	121,525
269			52556500	Low Income Pay Prog	675.8	30,500	31,500	62,000
270			52568000	Research & Develop	675.8	20,119	-1,027	19,092
271			52579000	Trustee Fees	675.8	24,166	9,365	33,531
272			52585000	Discounts Available	675.8	-31,806	4,077	-27,729
273			52586000	PO Small Differences	675.8	83	-83	0
274			53402100	AWWSC Oth O&M OPEX	634.8	120,497	-120,497	0
275				Total		1,299,821	-129,274	1,170,548
276								
277	401	Rents	54110000	Rents-Real Prop	641.8	1,452	-1,452	
278			54110014	Rents-Real Prop TD	641.5	2,676	3,132	5,808
279			54140000	Rents-Equip	642.8	8,028	-8,028	
280			54140016	Rents-Equip AG	642.8	23,627	8,484	32,111
281				Total		35,782	2,137	37,919
282								
283	401	Transportation	55000000	Transportation (O&M)	650.8	10,409	-10,409	
284			55000014	Trans Oper TD	650.5	1,665	1,386	3,051
285			55000015	Trans Oper CA	650.7	10	8	18
286			55000016	Trans Oper AG	650.8	23,300	19,392	42,692
287			55000100	Trans Cap Credits	650.8	-95,864	10,281	-85,583
288			55010100	Trans Lease Costs	650.8	1,542	-1,542	0
289			55010200	Trans Lease Fuel	650.8	369,852	251	370,102
290			55010300	Trans Lease Maint	650.8	128,331	23,139	151,470
291			55010400	Trans Emp Reimb Co	650.8	-810	-390	-1,200
292			55010500	Trans Reimb EE Prsnl	650.8	1,126	-613	513
293				Total		439,561	41,503	481,064
294								
295	401	Uncollectible accounts exp	57010015	Uncoll Accts Exp CA	670.7	271,782	163,348	435,130
296			57010016	Uncoll Accts Exp AG	670.7	29,152	17,521	46,673
297				Total		300,934	180,869	481,803
298								
299	401	Customer accounting other	52501500	Misc Oper CA	675.7	900	-300	600
300			52510015	Bank Svc Charges-CA	675.7	196,926	-5,862	191,064
301			52514906	Cust Edu-Bill Insert	675.8	38,703	11,297	50,000
302			52520000	Collection Agencies	675.7	101,097	28,467	129,564
303			52542015	Forms CA	675.7	200,947	5,381	206,328
304			52562515	Overnight Shippng CA	675.7	67	-67	0
305			52566015	Postage CA	675.7	597,881	18,496	616,377
306				Total		1,136,521	57,411	1,193,932
307								
308	401	Regulatory expense	56610000	Reg Exp-Amort	666.8	198,790	67,675	266,465
309			56620000	Reg Exp-Depr Stdy	667.8	14,144	-5,614	8,530
310				Total		212,934	62,061	274,995
311								
312	401	Insurance other than group	55110000	Ins Vehicle	656.8	32,432	-2,959	29,473
313			55710000	Ins General Liabilty	657.8	287,292	-40,249	247,043
314			55720000	Ins Work Comp	658.8	162,390	401	162,791
315			55720100	Ins W/C Cap Credits	658.8	-25,515	964	-24,552
316			55730000	Ins Other	659.8	189,713	65,658	255,371
317				Total		646,312	23,814	670,126
318								
319	401	Maintenance service and supplies	62002100	M&S Maint SS	620.2	164,029	-14,338	149,692
320			62002300	M&S Maint WT	620.4	296,280	3,108	299,388
321			62002400	M&S Maint TD	620.6	331,540	-54,940	276,600
322			62002600	M&S Maint AG	620.8	24,535	-24,535	0
323			62502300	Misc Maint WT	675.4	10,431	13,619	24,050
324			62502400	Misc Maint TD	675.6	35,001	-7,401	27,600
325			62502430	Misc Maint TD Svc	675.6	-713	0	0
326			62502440	Misc Maint TD Hydrnt	675.6	282	-282	0

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Jurisdictional Operating Income Summary
Breakdown by Major Account Group & Individual Account

Data: X Base Period X Forecast Period
Version: X Original _Updated _Revised

Exhibit 37, Schedule C-2
Exhibits\[Income Statement.xlsx\]MSFR Inc Stmt by Acct - SCH C.2

Line #	Major NARUC Group	Financial Statement Grouping	SAP GL Account	SAP GL Acct Descrpt	96 NARUC Account	Base Period 12 Months Ended 3/31/2013	Allocated Adjustment Forecast at Present Rates	Forecast Year at Present Rates, 12 Mo. Ended 7/31/2014	
327			62502600	Misc Maint AG	675.8	120,556	-44,234	76,322	
328			62510000	Amort Def Maint	675.6	100,955	-100,955		
329			62512300	Amort Def Maint WT	675.4	170,140	42,459	212,599	
330			62512400	Amort Def Maint TD	675.6	214,715	53,583	268,298	
331			62520700	Misc Main Pvg/Bckfil	675.6	164,767	57,233	222,000	
332			63110026	Contr Svc-Maint AG	631.8	6,500	-6,500	0	
333			63150023	Contr Svc-Maint WT	636.4	918	-918	0	
334			63150024	Contr Svc-Maint TD	636.6	20,082	-20,082	0	
335			63150026	Contr Svc-Maint AG	636.8	33,714	186	33,900	
336			88101000	CAP Move-UP	675.8	2,492,379	-2,492,379	0	
337			88106000	CAP Move-CCNC	675.8	5,602,296	-5,602,296	0	
338			88107000	CAP Move-CWIP	675.8	-5,782,528	5,782,528	0	
339			88108020	CAP Move-UP A/D Salv	675.8	-69,749	69,749	0	
340			88252170	CAP Move-ADV NT WIP	675.8	-70,076	70,076	0	
341			88257000	CAP Move-COR	675.8	158,755	-158,755	0	
342			88257100	CAP Move-RWIP	675.8	73,170	-73,170	0	
343			88271100	CAP Move-CIAC NT	675.8	-77,917	77,917	0	
344			88271170	CAP Move-CIAC NT WIP	675.8	-127,311	127,311	0	
345			88271200	CAP Move-CIAC Tax	675.8	-40,875	40,875	0	
346			88271270	CAP Move-CIAC Tx WIP	675.8	-868	868	0	
347			88900000	CAP Move-Settlement	675.8	-2,157,275	2,157,275	0	
348				Total		1,693,733	-103,284	1,590,449	
349									
350	403	Depreciation	68011000	Depr -UPIS General	403.	11,300,206	1,352,161	12,652,367	
351			68012000	Depr -Amort CIAC Tx	403.	-793,310	-100,699	-894,008	
352			68012500	Depr-Amort CIAC Nntx	403.	-324,330	158,594	-165,736	
353				Total		10,182,567	1,410,056	11,592,623	
354									
355	406 & 407	Amortization	68254000	Amort-RegAsset AFUDC	407.1	136,617	16,564	153,181	
356			68255000	Amort-UPAA	406.	6,421	-6,421	0	
357			68257000	Amort-Prop Losses	407.2	57,081	-1	57,080	
358			68258000	Amort-Reg Asset	407.4	6,900	-6,900	0	
359				Total		207,018	3,243	210,261	
360									
361	403	Removal costs	68311000	Rem Costs-ARO/NNS	403.	2,040,541	87,022	2,127,563	
362			68312000	Rmv Csts-NNS CIAC Tx	403.	-86,723	-34,245	-120,968	
363			68312500	Rmv Csts-NNS CIAC NT	403.	-264,193	-138,423	-402,617	
364				Total		1,689,625	-85,646	1,603,978	
365									
366	409	Current income taxes	69011000	FIT-Current	409.1	4,814,455	-801,226	4,013,229	
367			69012000	FIT-Prior Year Adj	409.1	2,666,069	-2,666,069	0	
368			69021000	SIT-Current	409.1	960,288	-403,840	556,448	
369			69022000	SIT-Prior Year Adj	409.1	423,721	-423,721	0	
370				Total		8,864,532	-4,294,855	4,569,677	
371									
372	410	Deferred taxes	69061000	Def FIT-Current	410.1	64,938	-64,938	0	
373			69062000	Def FIT-Pr Yr Adj	410.1	-2,671,473	2,671,473	0	
374			69063000	Def FIT-RegAsst/Liab	410.1	217,707	95,521	313,228	
375			69065000	Def FIT-Other	410.1	3,588,405	-880,069	2,708,336	
376			69071000	Def SIT-Current	410.1	11,843	-11,843	0	
377			69072000	Def SIT-Pr Yr Adj	410.1	-423,716	423,716	0	
378			69073000	Def SIT-RegAsst/Liab	410.1	12,653	8,410	21,063	
379			69073500	Def SIT-Other	410.1	580,785	95,262	676,048	
380				Total		1,381,142	2,337,533	3,718,675	
381									
382	412	Amortization of investment tax credit	69522000	ITC Restored-3%	412.1	-3,826	-1,275	-5,101	
383			69523000	ITC Restored-4%	412.1	-3,153	-1,051	-4,203	
384			69524000	ITC Restored-10%	412.1	-56,618	-18,870	-75,488	
385				Total		-63,597	-21,195	-84,792	
386									
387	408	General taxes	68520000	Property Taxes	408.1	4,132,859	326,985	4,459,844	
388			68520100	Tax Discounts	408.1	-7,847	7,847	0	
389			68532000	FUTA	408.1	6,473	-1,623	4,850	
390			68533000	FICA	408.1	530,793	99,030	629,823	
391			68533100	FICA Cap Credits	408.1	-16,547	-100,060	-116,607	
392			68535000	SUTA	408.1	14,880	2,285	17,165	
393			68535100	SUTA Cap Credits	408.1	-183	-2,448	-2,631	
394			68543000	Othr Taxes & Licenses	408.1	10,000	-7,260	2,740	
395			68545000	Utility Reg Assessme	408.1	126,894	-3,235	123,659	
396				Total		4,797,323	321,520	5,118,843	
397		Operating Income	Operating Income = Account Groups 400+420-401-403-406-407-408-409-410-412				\$ 26,320,987	\$ (1,672,708)	\$ 25,139,908

Kentucky American Water Company
Case No. 2012-00520
Summary of Jurisdictional Adjustments to Operating Income by Major Account

Data: X Base Period X Forecast Period
Version: X Original_Updated_Revised
Exhibit 37, Schedule D-1
Exhibits\[Income Statement.xlsx\]MSFR IS Adjust D.1

Line Number	Major Account Group	Description	Base Period		Adjust for Forecast at Present Rates	Forecast Year at Present Rates		Supporting Schedule Information
			12 Months Ended 3/31/2013	12 Months Ended 7/30/2014		12 Mos. Ended 7/30/2014	85,777,332	
1	400 (and 420)	Operating Revenues	\$ 87,282,760	\$ (1,505,427)	\$	\$	See D-2	
2		<i>(Adjustment for Forecast Includes AFUDC, from Account Group 420, per Prior Orders re: inclusion of CWIP in Rate Base)</i>						
3								
4	401	Operating Expenses	\$ 33,903,162	\$ 73,043	\$	\$ 33,976,206	See D-2	
5								
6	403	Depreciation Expense	\$ 11,872,191	\$ 1,324,410	\$	\$ 13,196,601	See D-2	
7								
8	406	Amortization of Utility Plant Acquisition Adjustments	\$ 6,421	\$ (6,421)	\$	\$ -	See D-2	
9								
10	407	Amortization Expense	\$ 200,598	\$ 9,663	\$	\$ 210,261	See D-2	
11								
12	408	Taxes Other Than Income	\$ 4,797,323	\$ 326,884	\$	\$ 5,124,207	See D-2	
13								
14	409	Income Taxes (Current, Utility Operating Income)	\$ 8,864,532	\$ (4,294,855)	\$	\$ 4,569,677	See D-2	
15								
16	410	Provision for Deferred Income Taxes	\$ 1,381,142	\$ 2,337,533	\$	\$ 3,718,675	See D-2	
19								
20	412	Investment Tax Credits	\$ (63,597)	\$ (21,195)	\$	\$ (84,792)	See D-2	
		Utility Operating Income	\$ 26,320,987	\$ (1,254,490)	\$	\$ 25,066,497		

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Individual Adjustments to Operating Income

Data: X Base Period X Forecast Period
Version: X Original _Updated_ Revised

Line #	Major NARUC Acct. Group	Description	Base Period Ended 3/31/2013	Adjustment for Forecast at Present Rates	Forecast Year Ended 7/31/2014 At Present Rates	Work Paper #	Workpaper Excel Location	Description of Adjustment
1	400	Operating Revenues						
2		Water Revenues						
3		Residential Sales	\$ 45,637,885	\$ (1,204,353)	\$ 44,433,532	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Residential Sales adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
4		Commercial Sales	22,063,160	(675,321)	21,387,839	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Commercial Sales adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
5		Industrial Sales	2,216,761	(69,323)	2,147,438	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Industrial Sales adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
6		Public Fire	2,525,108	819,452	3,344,560	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Public Fire adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
7		Private Fire	3,154,381	(834,941)	2,319,440	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Private Fire adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
8		Public Authority Sales	7,109,256	(783,774)	6,325,482	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Public Authority Sales adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period.
9		Sale for Resale	2,022,212	(192,691)	1,829,521	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Sale for Resale adjustment is based on the change in billing determinants for billed water revenue and to eliminate the net change in unbilled accrued utility revenues recorded during the base period. The adjustment also includes the elimination of Owenton Revenue.
10		Miscellaneous Sales	21,254	(21,254)	-	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Miscellaneous Sales adjustment is based on the change in billing determinants for billed water revenue.
11		Other Water Revenues	80,489	(36,163)	44,326	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	The Other Water Revenues adjustment is based on the change in billing determinants for billed water revenue.
12	400	Other Revenues						
13		OthRev-Late Pymt Fee	228,124	451,876	680,000	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Late Payment Fees for the forecast period.
14		OthRev-Rent	92,757	(957)	91,800	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Other Revenue-Rent for the forecast period.
15		OthRev-Rent 1/C	277,643	(177,643)	100,000	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Other Revenue-Rent 1/C for the forecast period.
16		OthRev-CFO	706,072	965,580	1,671,652	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Other Revenue-CFO for the forecast period.
17		OthRev-NSF OK Chrg	28,708	3,434	32,142	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Returned Check Charges for the forecast period.
18		OthRev-App/InitFee	612,461	(1,609)	610,852	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Application and Initiation Fees for the forecast period.
19		OthRev-Usage Data	1,300	(1,300)	-	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Usage Data for the forecast period.
20		OthRev-Reconnect Fee	471,424	(212,152)	259,272	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Reconnect Fees for the forecast period.
21		OthRev-Misc Svc	33,265	(25,418)	7,847	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Miscellaneous Service for the forecast period.

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Individual Adjustments to Operating Income

Data: X Base Period X Forecast Period
Version: X Original X Updated Revised

Line #	Major NARUC Acct. Group	Description	Base Period Ended 3/31/2013	Adjustment for Forecast at Present Rates	Forecast Year Ended 7/31/2014 At Present Rates	Work Paper #	Workpaper Excel Location	Description of Adjustment
22		Other WW-Misc Svc	500	(500)	-	Exh 37, Schedule M-1	Exhibits\Revenue\KY Revenue Exhibit.xlsx\Exhibit	To adjust Waster Water Miscellaneous Service for the forecast period.
23	420	AFUDC		491,629	491,629	W/P - 1-4	Exhibits\Rate Base\Rate Base KY Capital through 12_31_14.xlsx\AFUDC Activity	Adjustment to Reflect AFUDC for the Forecast Year
24		Total Water, Other & AFUDC Revenues (Sum Lines 3-23)	87,282,760	(1,505,427)	85,777,333			
25	401	Operating Expense						
26		O&M:						
27		Purchased Water	\$ 335,669	\$(128,442)	\$ 207,227	W/P - 3-2	Exhibits\Expense\Purchased Water Expense Exhibit.xlsx\Exhibit	Our purchased water amounts are expected to decrease in 2013-2014 as a result of our Northern Pipeline Connection. We will be no longer purchase water from Georgetown Municipal as a result of this project. We also experienced higher than expected purchased water in 2012 as a result of a hot dry spring and summer.
28		Fuel & Power	3,994,390	(226,098)	3,768,292	W/P - 3-3	Exhibits\Expense\Fuel and Power Expense Exhibit.xlsx\Exhibit	Fuel and Power adjustments are based on forecasted amounts, plus the following adjustments. The forecast for energy from KU was based on KU's current rate case increase of 10%. The amount the KU filed in their rate case is 6.5% resulting in an adjustment of 3.5%. The Owenton Plant was forecasted to shut down in August 2013. The plan has been revised so that the plant will remain open through December 2013. The result is 4 months of additional Fuel and Power expense. Northern Booster Station additional pumping process was not included in forecast for January through July 2014 (7 months).
29		Chemicals	1,834,701	(54,829)	1,779,872	W/P - 3-4	Exhibits\Expense\Chemical Expense Exhibit.xlsx\Exhibit	Chemical adjustments are based on forecasted amounts, plus the following adjustments. The Owenton Plant was forecasted to shut down in August 2013. The plan has been revised so that the plant will remain open through December 2013. The result is 4 months of additional Fuel and Power expense.
30		Waste Disposal	318,460	18,290	336,750	W/P - 3-5	Exhibits\Expense\Waste Disposal Expense Exhibit.xlsx\Exhibit	The Waste Disposal adjustment is based on the forecasted amount, plus the following adjustment. The Owenton Plant was forecasted to shut down in August 2013. The plan has been revised so that the plant will remain open through December 2013. The result is 4 months of additional Waste Disposal expense.
31		Salaries and Wages	7,150,158	(201,897)	6,948,261	W/P - 3-1	Exhibits\Expense\Labor and Labor Related.xlsx\Exhibit Labor	Adjustment reflects savings from reduced headcount net of wage increases. Reduced headcount is due to business realignment, meter reading efficiencies, and Northern Connection project (if approved). Wage increases include negotiated wage increases for union employees under the current contract and annual merit increases for non-union employees. Expense is net of capitalization and sewer utility charges.
32		Pension	1,025,878	(41,549)	984,329	W/P - 3-1c	Exhibits\Expense\Labor and Labor Related.xlsx\Exhibit Pension	Adjustment reflects current estimate for FAS 87 Pension accruals for the months August 2013 - July 2014. Expense is net of capitalization and sewer utility charges.
33		Group Insurance	1,964,516	157,857	2,122,373	W/P - 3-1a	Exhibits\Expense\Labor and Labor Related.xlsx\Exhibit Group Ins	Adjustment reflects costs for all group insurances net of employee contributions, at selected plan rates where available. Costs reflect flat plan costs through September 2013, then 8% increase through July 2014, with matching increase for employee contributions beginning January 2014. Expense is net of capitalization and sewer utility charges.
34		Other Benefits	354,192	51,267	405,458	W/P - 3-1b	Exhibits\Expense\Labor and Labor Related.xlsx\Exhibit Other Benefits	Adjustment reflects costs forecasted through the budget process, including allowances for tuition assistance, training, drug screenings, health & safety incentives, and biological exposure vaccinations.
35		Support Services	8,951,414	372,820	9,324,233	W/P - 3-7	Exhibits\Expense\Support Services.xlsx\Exhibit	Adjustment reflects costs for BT-related maintenance and consulting for 2013, as well as for additional depreciation and interest related to BT and other investments. Adjustment also reflects inflation of non-labor costs and merit &/or contract increases to labor.
36		Contract Services	854,325	4,081	858,406	W/P - 3-18	Exhibits\Expense\Contract Services.xlsx\Exhibit	The Contract Services adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecast budget includes contracts for lab testing, accounting, audit fees, legal, and other services such as snow removal, landscaping, and janitorial services.

Exhibit 37, Schedule D-2
Exhibits\Income Statement.xlsx\MSFR IS Adjust Support D-2

Kentucky American Water Company
Case No. 2012-00520
Supporting Schedule for Individual Adjustments to Operating Income

Data: X Base Period X Forecast Period
Version: X Original _Updated_ Revised

Line #	Major NARUC Acct. Group	Description	Base Period Ended 3/31/2013	Adjustment for Forecast at Present Rates	Forecast Year Ended 7/31/2014 At Present Rates	Work Paper #	Excel Location	Description of Adjustment
38		Building Maintenance & Services	524,208	(45,250)	478,958	W/P - 3-12	Exhibits\Expense\Building Maint & Services.xlsx\Exhibit	The Building Maintenance and Services adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecasted budget is based off of 2011 actuals that show historical decrease. Groundkeeping and security costs were also reclassified in the forecasted year.
39		Telecommunications	286,997	(29,628)	257,369	W/P - 3-14	Exhibits\Expense\Telecommunications Expenses.xlsx\Exhibit	The Telecommunications adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecasted budget is based off of 2011 actuals with no increase.
40		Postage, Printing, & Stationary	33,775	1,983	35,758	W/P - 3-15	Exhibits\Expense\Postage, shipping, printing Exhibit.xlsx\Exhibit	The Postage, Printing, & Stationary adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecasted budget is based off of 2011 actuals with no increase.
41		Other Supplies & Services	236,813	140,562	377,375	W/P - 3-16	Exhibits\Expense\Office Supplies & Expenses.xlsx\Exhibit	The Office Supplies & Services Expense adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014.
42		Advertising & Marketing	29,862	(29,862)	-	W/P - 3-17	Exhibits\Expense\Advertising & Mktg.xlsx\Exhibit	The Advertising and Marketing adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. Advertising and marketing expenses have been removed in the forecast year.
43		Employee Related Expense	242,207	(51,500)	190,707	W/P - 3-19	Exhibits\Expense\Employee Related Expenses.xlsx\Exhibit	The Employee Related Expense adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014.
44		Miscellaneous Expense	1,299,821	(129,274)	1,170,548	W/P - 3-20	Exhibits\Expense\Miscellaneous Expense.xlsx\Exhibit	The Miscellaneous Expense adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The decrease is due to shared services Other O&M Operation Expenses being reclassified.
45		Rents	35,782	2,137	37,919	W/P - 3-11	Exhibits\Expense\Rent Expense Exhibit.xlsx\Exhibit	The Rents adjustment is based on the difference between the base period amounts from April 2012 through March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecast amount is based on contracts for equipment leases such as copiers and real estate agreements.
46		Transportation	439,561	41,503	481,064	W/P - 3-21	Exhibits\Expense\Transportation.xlsx\Exhibit	The Transportation adjustment is based on the difference between the base period amounts from April 2012 and March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecast uses the same fuel usage as 2012, but accounts for increased fuel costs.
47		Uncollectible Accounts	300,934	180,869	481,803	W/P - 3-10	Exhibits\Expense\Uncollectible s Exhibit.xlsx\Exhibit	Adjustment based on a 3 year uncollectible percent to billed revenue avg. times the forecasted test year billed revenues
48		Other Customer Accounting	1,136,521	57,411	1,193,932	W/P - 3-9	Exhibits\Expense\2012 Customer Accounting - Postage.xlsx\Exhibit - Customer Acctg	The adjustment is based on the difference between the base period amounts from April 2012 and March 2013 and the forecasted budget amounts for August 2013 through July 2014. The forecast shows increased expenses for collection number agencies, customer education, and postage due to a forecasted increase in number of customers.
49		Regulatory Expense	212,934	62,061	274,995	W/P - 3-6	Exhibits\Expense\Rate Case Expense Exhibit.xlsx\Exhibit	The Regulatory Expense adjustment is based on the forecasted amount, plus the following adjustment. The 2010 Rate Case Amortization is in the forecast through 11/2013, however, the amortization schedule ends 9/30/2013 which results in an adjustment for two months of the amortization.
50		Insurance Other Than Group	646,312	23,814	670,126	W/P - 3-22	Exhibits\Expense\IOTG Expense Exhibit.xlsx\Exhibit	The Insurance Other than Group adjustment is based on the forecasted amount.
51		Maintenance Supplies & Services	1,693,733	(103,284)	1,590,449	W/P - 3-13	Exhibits\Expense\Maintenance Expense Exhibit.xlsx\Exhibit	The Maintenance adjustment is based on the forecasted amount.
52		Total O & M Expense (Sum of Lines 28 through 51):	\$ 33,903,162	\$ 73,043	\$ 33,976,206			

Kentucky American Water Company

Case No. 2012-00520

Supporting Schedule for Jurisdictional Factors

Data: Base Period Forecast Period
Version: Original Updated Revised

Exhibit 37, Schedule D-3
Exhibits\[Income Statement.xlsx]D-3

Jurisdictional Factors are not applicable to Kentucky American Water Company in this proceeding.

Kentucky American Water Company
Case No. 2012-00520
Federal Income Taxes at Present Rates, for the Forecast Period
For the 12 Months Ending July 31, 2014

SCHEDULE E-1.3

DATA: _____BASE PERIOD __X__ FORECASTED PERIOD
TYPE OF FILING: __X__ ORIGINAL _____UPDATED__REVISED
WORKPAPER REFERENCE NO(S): W/P-6-1, 6-3, 6-4, 6-5

Exhibits\Taxes\[Income Tax Expense 11272012.xlsx]E-1.3 Federal Inc Tax Forecast
PAGE 1 of 1
Witness Responsible: Scott Rungren

Line	Category	Item	Current Rates Federal Tax Calculation Forecast Period	At Proposed Rates Adjustments	Forecast Period At Proposed Rates
1	Book Revenue (+)				
2		Operating Revenue	\$ 85,285,703	\$ 10,952,827	\$ 96,238,531
3					
4	Book Deductions (-)				
5		O&M Expenses	(33,976,206)	(63,072)	(34,039,278)
6		Depreciation, Amortization, & Cost of Removal	(13,406,863)	0	(13,406,863)
7		Taxes Other Than Income	(5,124,207)	(16,189)	(5,140,397)
8		Current State Income Tax	(556,448)	(652,414)	(1,208,862)
9		Interest Expense	(12,710,004)	0	(12,710,004)
10		Total Book Deductions (Sum Lines 5 - 9)	\$ (65,773,728)	\$ (731,675)	\$ (66,505,403)
11					
12		Book Pre-Tax Income (Line 2 + Line 10)	\$ 19,511,976	\$ 10,221,152	\$ 29,733,128
13					
14	Reconciling Items				
		Permanent Differences:			
15		(Deduction) or Reversal of Deduction			
16		Non-Deductible Meals	26,295	0	26,295
17		Non-Deductible Penalties and Mandatory Dividends	381,900	0	381,900
18		Pre-Tax Income After Perm. Differences (Line 12 + Line 16 + Line 17)	\$ 19,920,171	\$ 10,221,152	\$ 30,141,323
19					
		Temporary Differences:			
20		(Deduction) or Reversal of Deduction; Revenue or (Reversal of Revenue)			
21		Deduct Tax Depreciation (State or Federal)	(17,028,608)	0	(17,028,608)
22		Reverse Deduction of Book Depreciation	12,652,367	0	12,652,367
23		Reverse Deduction of Amortization of Property Losses	57,080	0	57,080
24		Reverse Deduction of Amortization of UPAA	0	0	0
25		Reverse Deduction of Deferred Maintenance Amortization	480,898	0	480,898
26		Deduct Actual Deferred Maintenance Expenditures	(400,000)	0	(400,000)
27		Reverse All CIAC Amortization Credits	(1,583,328)	0	(1,583,328)
28		Reflect Actual Taxable CIAC Received	109,430	0	109,430
29		Reflect Repairs Deduction	(4,342,668)	0	(4,342,668)
30		Reverse Book Cost of Removal	2,127,563	0	2,127,563
31		Reflect Actual Cost of Removal	(526,535)	0	(526,535)
32		Net Temporary (Deductions) or Reversal of Deductions (Sum Lines 21 - 31)	\$ (8,453,801)	\$ -	\$ (8,453,801)
33					
34		Pre-Tax Income After Permanent and Temporary Differences (Line 18 + Line 32)	\$ 11,466,370	\$ 10,221,152	\$ 21,687,522
35					
36	Calculation of Current Federal Income Taxes				
37		Tax Rate	35%	35%	35%
38		Current Taxes (Line 34 x Line 37)	\$ 4,013,229	\$ 3,577,403	\$ 7,590,633
39					
40					
41	Calculation of Deferred Federal Income Taxes				
42		Federal Deferred Taxes Related to UPIS, CIAC, and Repairs	3,316,988	0	3,316,988
43		Federal Deferred Taxes Related to Deferred Maintenance	(28,314)	0	(28,314)
44		Federal Deferred Taxes Related to Property Losses	(19,978)	0	(19,978)
45		Federal Deferred Taxes Related to Cost of Removal	(560,360)	0	(560,360)
46		Sum Items Deferred	\$ 2,708,336	\$ -	\$ 2,708,336
47					
48		Amortization of Deferred Income Tax Assets & Liabilities			
49		Amortization of Deferred Regulatory Tax Assets & Tax Liabilities	313,228	0	313,228
50					
51		Amortization of Deferred ITC	(84,792)	0	(84,792)
52		Sum Total Federal Deferred Taxes + Amortization of ITC	\$ 2,936,772	\$ -	\$ 2,936,772
53					
54					
55		Total Current + Deferred Federal Income Taxes + Amortization of ITC (Line 38 + Line 52)	\$ 6,950,002	\$ 3,577,403	\$ 10,527,405

Kentucky American Water Company
Case No. 2012-00520
State Income Taxes at Present Rates, for the Forecast Period
For the 12 Months Ending July 31, 2014

SCHEDULE E-1.4

DATA: _____BASE PERIOD ___X___ FORECASTED PERIOD
TYPE OF FILING: ___X___ ORIGINAL ___UPDATED___ REVISIED
WORKPAPER REFERENCE NO(S): W/P-6-1, 6-3, 6-4, 6-5

Exhibits\Taxes\[Income Tax Expense 11272012.xlsx]E-1.4 State Inc Tax Forecast
PAGE 1 of 1

Witness Responsible: Scott Rungren

Line	Category	Item	Current Rates State Tax Calculation Forecast Period	At Proposed Rates Adjustments	Forecast Period At Proposed Rates
1	Book Revenue (+)				
2		Operating Revenue	\$ 85,285,703	\$ 10,952,827	\$ 96,238,531
3					
4	Book Deductions (-)				
5		O&M Expenses	(33,976,206)	(63,072)	(34,039,278)
6		Depreciation, Amortization, & Cost of Removal	(13,406,863)	-	(13,406,863)
7		Taxes Other Than Income	(5,124,207)	(16,189)	(5,140,397)
8		Current State Income Tax			
9		Interest Expense	(12,710,004)	0	(12,710,004)
10		Total Book Deductions (Sum Lines 5 - 9)	\$ (65,217,280)	\$ (79,261)	\$ (65,296,541)
11					
12		Book Pre-Tax Income (Line 2 + Line 10)	\$ 20,068,424	\$ 10,873,566	\$ 30,941,990
13					
14	Reconciling Items				
		Permanent Differences:			
15		(Deduction) or Reversal of Deduction			
16		Non-Deductible Meals	26,295	0	26,295
17		Non-Deductible Penalties and Mandatory Dividends	381,900	0	381,900
18		Pre-Tax Income After Perm. Differences (Line 12 + Line 16 + Line 17)	\$ 20,476,619	\$ 10,873,566	\$ 31,350,185
19					
		Temporary Differences:			
20		(Deduction) or Reversal of Deduction; Revenue or (Reversal of Revenue)			
21		Deduct Tax Depreciation (State or Federal)	(19,777,562)	0	(19,777,562)
22		Reverse Deduction of Book Depreciation	12,652,367	0	12,652,367
23		Reverse Deduction of Amortization of Property Losses	57,080	0	57,080
24		Reverse Deduction of Amortization of UPAA	0	0	0
25		Reverse Deduction of Deferred Maintenance Amortization	480,898	0	480,898
26		Deduct Actual Deferred Maintenance Expenditures	(400,000)	0	(400,000)
27		Reverse All CIAC Amortization Credits	(1,583,328)	0	(1,583,328)
28		Reflect Actual Taxable CIAC Received	109,700	0	109,700
29		Reflect Repairs Deduction	(4,342,668)	0	(4,342,668)
30		Reverse Book Cost of Removal	2,127,563	0	2,127,563
31		Reflect Actual Cost of Removal	(526,535)	0	(526,535)
32		Net Temporary (Deductions) or Reversal of Deductions (Sum Lines 21 - 31)	\$ (11,202,486)	\$ -	\$ (11,202,486)
33					
34		Pre-Tax Income After Permanent and Temporary Differences (Line 18 + Line 32)	\$ 9,274,133	\$ 10,873,566	\$ 20,147,699
35					
36	Calculation of Current State Income Taxes				
37		Tax Rate	6.0%	6.0%	6.0%
38		Current Taxes (Line 34 x Line 37)	\$ 556,448	\$ 652,414	\$ 1,208,862
39					
40					
41	Calculation of Deferred State Income Taxes				
42		State Deferred Taxes Related to UPIS, CIAC, and Repairs	780,388	0	780,388
43		State Deferred Taxes Related to Deferred Maintenance	(4,854)	0	(4,854)
44		State Deferred Taxes Related to Property Losses	(3,425)	0	(3,425)
45		State Deferred Taxes Related to Cost of Removal	(96,062)	0	(96,062)
46		Sum Items Deferred	\$ 676,048	\$ -	\$ 676,048
47					
48		Amortization of Deferred Income Tax Assets & Liabilities			
49		Amortization of Deferred Regulatory Tax Assets & Tax Liabilities	21,063	0	21,063
50		Sum Total Deferred Taxes	\$ 697,111	\$ -	\$ 697,111
51					
52					
53		Total Current + Deferred State Income Taxes (Line 38 + Line 50)	\$ 1,253,559	\$ 652,414	\$ 1,905,973

Kentucky American Water Company
Case No. 2012-00520
Revenue Summary

For the Base Peiod Ended 3/31/13 & the Forecast Year Ended 7/31/14 (At Both Present and Proposed Rates)

Witness Responsible: Linda Bridwell

Exhibit 37, Schedule M-1
Exhibits\Revenue\[KY Revenue Exhibit.xlsx]Exhibit

Line No.	Description	Supporting Schedule Reference	Base Period 12 Months Ended 3/31/13	Adjustments for Present Rates	Forecast Year at Present Rates	Adjustments for Proposed Rates	Forecast Year at Proposed Rates
1							
2	Sales of Water						
3	Residential	Exhibits\Revenue\[Revenue.xlsx]Sch M	\$ 45,637,885	\$ (1,204,353)	\$ 44,433,532	\$ 7,944,541	\$ 52,378,073
4	Commercial	Exhibits\Revenue\[Revenue.xlsx]Sch M	22,063,160	(675,321)	21,387,839	1,902,961	23,290,800
5	Industrial	Exhibits\Revenue\[Revenue.xlsx]Sch M	2,216,761	(69,323)	2,147,438	425,844	2,573,282
6	Other Public Authorities	Exhibits\Revenue\[Revenue.xlsx]Sch M	7,109,256	(783,774)	6,325,482	748,874	7,074,356
7	Sale for Resale	Exhibits\Revenue\[Revenue.xlsx]Sch M	2,022,212	(192,691)	1,829,521	45,796	1,875,317
8	Private Fire	Exhibits\Revenue\[Revenue.xlsx]Sch M	3,154,381	(834,941)	2,319,440	231,907	2,551,347
9	Public Fire	Exhibits\Revenue\[Revenue.xlsx]Sch M	2,525,108	819,452	3,344,560	659,367	4,003,927
10	Miscellaneous	Exhibits\Revenue\[Revenue.xlsx]Sch M	21,254	(21,254)	-	-	-
11	Other Water Revenue	Exhibits\Revenue\[Revenue.xlsx]Sch M	80,489	(36,163)	44,326	12,084	56,410
12	Total Sales of Water		\$ 84,830,506	\$ (2,998,368)	\$ 81,832,138	\$ 11,971,374	\$ 93,803,512
13							
14							
15	Other Operating Revenues						
16	Other Water Revenue	Exhibits\Revenue\[Revenue.xlsx]Sch M	\$ -	\$ -	\$ -	\$ -	\$ -
17	Late Payment Fee	Exhibits\Revenue\[Revenue.xlsx]Sch M	228,124	451,876	680,000	-	680,000
18	Rent	Exhibits\Revenue\[Revenue.xlsx]Sch M	92,757	(957)	91,800	-	91,800
19	Rent I/C	Exhibits\Revenue\[Revenue.xlsx]Sch M	277,643	(177,643)	100,000	-	100,000
20	Collect for Others	Exhibits\Revenue\[Revenue.xlsx]Sch M	706,072	965,580	1,671,652	-	1,671,652
21	NSF Check Charge	Exhibits\Revenue\[Revenue.xlsx]Sch M	28,708	3,434	32,142	-	32,142
22	Application/Initiation Fee	Exhibits\Revenue\[Revenue.xlsx]Sch M	612,461	(1,609)	610,852	46,989	657,841
23	Usage Data	Exhibits\Revenue\[Revenue.xlsx]Sch M	1,300	(1,300)	-	-	-
24	Reconnect Fee	Exhibits\Revenue\[Revenue.xlsx]Sch M	471,424	(212,152)	259,272	299,160	558,432
25	Miscellaneous Service	Exhibits\Revenue\[Revenue.xlsx]Sch M	33,265	(25,418)	7,847	-	7,847
26	WW-Miscellaneous Service	Exhibits\Revenue\[Revenue.xlsx]Sch M	500	(500)	-	-	-
27	Total Other Operating Revenues		\$ 2,452,254	\$ 1,001,311	\$ 3,453,565	\$ 346,149	\$ 3,799,714
28							
29							
30	Total Operating Revenues		\$ 87,282,760	\$ (1,997,057)	\$ 85,285,703	\$ 12,317,523	\$ 97,603,226

AMERICAN WATER 12 MONTH INCOME STATEMENT
 September 2011 - August 2012 Revenues
 Fiscal Year/Period 008/2012
 Operating Comf 1012
 1DATA COLUMN 0

G/L Account	Total	\$
40310100 OthRev-Late Pymt Fee	1	
40310200 OthRev-Rent	(94,256)	
40310250 OthRev-Rent I/C	(308,763)	
40310300 OthRev-CFO	(1,638,714)	
40310400 OthRev-NSF Ck Chrg	(30,620)	
40310500 OthRev-AppI/InitFee	(648,704)	
40310600 OthRev-Usage Data	(1,935)	
40310700 OthRev-Reconnect Fee	(551,044)	
40319900 OthRev-Misc Svc	(3,468)	
40359900 OthRev WW-Misc Svc	0	
[-] AW0198 Other revenues	(3,277,503)	

1% Growth
 Assumed for 2
 Years
\$ (1,671,652.43)

7,847 Left at 7847 to reflect property tax credit

Workpaper #:
Excel File Location:

W/P - 3-1
Exhibits\Expense\[Labor and Labor Related.xlsx]Exhibit Labor

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Labor Expense
For the 12 Months Ending July 31, 2014

Witness Responsible:
Type of Filing: Original Updated Revised

Line No.	Description	Base Year at 3/31/2013	Adjustments	Forecast Year at 7/31/2014	Reference
1	Base Year for the 12 Months Ended 3/31/2013	\$ 7,150,158		\$ 7,150,158	
2					
3					
4	Adjustments:				
5	Changes to Salaries & Wages Expense		\$ 147,324		
6	Adjust Out Incentive Pay		\$ (349,221)		Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor
7	Total Adjustments:		\$ (201,897)	(201,897)	
8					
9					
10	Forecasted Year at Present Rates			\$ 6,948,261	Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor
11					
12					

Workpaper #: W/P - 3-1c
Excel File Location Exhibits\Expense\Labor and Labor Related.xlsx\Exhibit Pension

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Pension Expense
For the 12 Months Ending July 31, 2014

Witness Responsible:
Type of Filing: ___X___ Original ___ Updated ___ Revised

Line No.	Description	Base Year at 3/31/2013	Adjustments	Forecast Year at 7/31/2014	Reference
1	Base Year for the 12 Months Ended 3/31/2013	\$ 1,025,878		\$ 1,025,878	
2					
3					
4	Adjustments:				
5	Reduction in FAS 87 Accrual Required		\$ (41,549)		
7	Total Adjustments:		\$ (41,549)	(41,549)	
8					
9					
10	Forecasted Year at Present Rates			\$ 984,329	Exhibits\Expense\Labor and Labor Related.xlsx\KY FAS Pension Wksht
11					

Workpaper #: W/P - 3-1a
File Location Reference: Exhibits\Expense\[Labor and Labor Related.xlsx]Exhibit Group Ins

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Group Insurance and OPEB Expense
For the 12 Months Ending July 31, 2014

Witness Responsible:

Type of Filing: ___X___ Original ___ Updated ___ Revised

Line No.	Description	Base Year at 3/31/2013	Adjustments	Forecast Year at 7/31/2014	Excel Reference
1					
2	Group Insurance	\$ 1,275,452		\$ 1,275,452	
3	Other Post Employment Benefits	\$ 689,064		\$ 689,064	
4	Base Year for the 12 Months Ended 3/31/2013	<u>\$ 1,964,516</u>		<u>\$ 1,964,516</u>	
5					
6					
7	Adjustments:				
8	Group Insurance Adjustment		\$ 155,071	\$ 155,071	
9	Other Post Employment Benefits		2,786	2,786	
10	Total Adjustments:		<u>\$ 157,857</u>	<u>157,857</u>	
11					
12	Group Insurance			\$ 1,430,524	Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor
13	Other Post Employment Benefits			\$ 691,849	
14	Forecasted Year at Present Rates			<u>\$ 2,122,373</u>	

Workpaper #: W/P - 3-1b
Excel File Location: Exhibits\Expense\[Labor and Labor Related.xlsx]Exhibit Other Benefits

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Other Benefits Expense
For the 12 Months Ending July 31, 2014

Witness Responsible: _____
Type of Filing: Original Updated Revised

Line No.	Description	Base Year at 3/31/2013	Adjustments	Forecast Year at 7/31/2014	Excel Reference
1					
2	401k Expense	\$ 124,791			
3	DCP Expense	\$ 157,976			
4	ESPP Expense	\$ 11,968			
5	Retiree Medical Exp	\$ 6,926			
6	Other Welfare	\$ 15,653			
7	Employee Awards	\$ 11,988			
8	Emp Physical Exams	\$ 4,479			
9	Safety Incentive Awards	\$ 1,600			
10	Tuition Aid	\$ 11,483			
11	Training	\$ 7,329			
12	Base Year for the 12 Months Ended 3/31/2013	\$ 354,192		\$ 354,192	
13					
14					
15	Adjustments:				
16	401k Expense		\$ 14,871		
17	401k Expense Adjust for AIP		\$ (2,040)		
18	DCP Expense		\$ 12,733		
19	ESPP		\$ (1,408)		
20	Retiree Medical Exp		\$ 1,573		
21	Other Welfare		\$ 23,897		
22	Employee Awards		\$ (4,848)		
23	Emp Physical Exams		\$ 1,691		
24	Safety Incentive Awards		\$ 800		
25	Tuition Aid		\$ 4,027		
26	Training		\$ (29)		
27			<u>\$ 51,267</u>	\$ 51,267	
28					
29	401k Expense			\$ 137,622	Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor
30	DCP Expense			\$ 170,708	Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor
31	ESPP			\$ 10,560	
32	Retiree Medical Exp			\$ 8,498	
33	Other Welfare			\$ 39,550	
34	Employee Awards			\$ 7,140	
35	Emp Physical Exams			\$ 6,170	
36	Safety Incentive Awards			\$ 2,400	
37	Tuition Aid			\$ 15,510	
38	Training			\$ 7,300	
39	Forecasted Year at Present Rates			<u>\$ 405,458</u>	

Workpaper #: W/P - 5-3
Excel File Location: Exhibits\Expense\[Labor and Labor Related.xlsx]Exhibit Payroll Taxes

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Payroll Tax Expense
For the 12 Months Ending July 31, 2014

Witness Responsible:
Type of Filing: ___X___ Original ___ Updated ___ Revised

Line No.	Description	Base Year at 3/31/2013	Adjustments	Forecast Year at 7/31/2014	Excel Reference
1	Base Year for the 12 Months Ended 3/31/2013	\$ 535,417		\$ 535,417	
2					
3					
4	Adjustments:				
5	Contract Wage & Merit Increases		\$ 17,014		
6	Adjust out Incentive Pay Payroll Tax		\$ (14,466)		
8	Total Adjustments:		\$ 2,548	2,548	
9					
10					
11	Forecasted Year at Present Rates			\$ 537,965	Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor (Less Incentive Pay Credit Calculation)
12					
13					

Kentucky American Water
 Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Click '+' To Expand Regular

Click '+' To Expand Non-Sched OT

Click '+' To Expand Sched OT

Line No.	Schedule G Dept	Position		Bus Unit	Business Unit Name	Union? (U/N)	Exempt? (Y/N)	Pay Grade	Gross Regular		Gross Non-Scheduled OT			Gross Scheduled OT		
		Begin Date	End Date						Regular Time Hours	Regular Time Wages	NS OT Hours	OT Multiplier	NS Wages	Sched. OT Hours	OT Multiplier	Sched. OT Wages
1	A&G			120118	CORP-Human	N	Y	L09	2088	\$ 57,805	0.0	1.57	\$ -	0	1.57	\$ -
2	A&G			120105	CORP-Admin & Gen	N	Y	L05	2088	\$ 158,848	0.0	1.57	\$ -	0	1.57	\$ -
3	A&G			120105	CORP-Admin & Gen	N	Y	ML4	2088	\$ 181,990	0.0	1.57	\$ -	0	1.57	\$ -
4	A&G			120105	CORP-Admin & Gen	N	N	L11	2088	\$ 64,928	0.0	1.57	\$ -	0	1.57	\$ -
5	A&G			120119	CORP-Loss Control	N	Y	L09	2088	\$ 73,690	0.0	1.57	\$ -	0	1.57	\$ -
6	A&G			120119	CORP-Loss Control	N	N	L10	2088	\$ 59,050	0.0	1.57	\$ -	0	1.57	\$ -
7	A&G			120121	CORP-Communications	N	Y	L07	2088	\$ 104,518	0.0	1.57	\$ -	0	1.57	\$ -
8	A&G			120121	CORP-Communications	N	N	L12	2088	\$ 46,567	10.0	1.57	\$ 346	0	1.57	\$ -
9	A&G			120105	CORP-Admin & Gen	N	N	L10	2088	\$ 52,220	0.0	1.57	\$ -	0	1.57	\$ -
10	A&G			120121	CORP-Communications	N	Y	L10	2088	\$ 62,665	0.0	1.57	\$ -	0	1.57	\$ -
11	A&G			120114	CORP-Engineering	N	Y	L08	2088	\$ 71,020	0.0	1.57	\$ -	0	1.57	\$ -
12	A&G			120114	CORP-Engineering	N	N	L11	2088	\$ 52,535	0.0	1.57	\$ -	0	1.57	\$ -
13	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 70,381	0.0	1.57	\$ -	0	1.57	\$ -
14	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 52,702	0.0	1.57	\$ -	0	1.57	\$ -
15	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 59,621	0.0	1.57	\$ -	0	1.57	\$ -
16	A&G			120114	CORP-Engineering	N	Y	L07	2088	\$ 87,137	0.0	1.57	\$ -	0	1.57	\$ -
17	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 53,306	0.0	1.57	\$ -	0	1.57	\$ -
18	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 46,776	0.0	1.57	\$ -	0	1.57	\$ -
19	A&G			120114	CORP-Engineering	N	Y	L08	2088	\$ 92,161	0.0	1.57	\$ -	0	1.57	\$ -
20	A&G			120114	CORP-Engineering	N	N	L10	2088	\$ 52,572	0.0	1.57	\$ -	0	1.57	\$ -
21	Distribution		12/31/2013	120206	LEX-Field Services	U	N		872	\$ 19,752	40.0	1.57	\$ 1,425	0	1.57	\$ -
22	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	94.0	1.57	\$ 3,370	0	1.57	\$ -
23	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	94.0	1.57	\$ 3,553	0	1.57	\$ -
24	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	94.0	1.57	\$ 3,370	0	1.57	\$ -
25	Distribution		8/30/2013	120206	LEX-Field Services	U	N		176	\$ 3,948	6.0	1.57	\$ 211	0	1.57	\$ -
26	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	94.0	1.57	\$ 3,722	0	1.57	\$ -
27	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	94.0	1.57	\$ 3,370	0	1.57	\$ -
28	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	94.0	1.57	\$ 3,370	0	1.57	\$ -
29	Distribution		12/31/2013	120206	LEX-Field Services	U	N		872	\$ 19,752	40.0	1.57	\$ 1,425	0	1.57	\$ -
30	Distribution			120206	LEX-Field Services	U	N		2088	\$ 53,559	104.0	1.57	\$ 4,182	0	1.57	\$ -
31	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 43,904	187.0	1.57	\$ 6,162	0	1.57	\$ -
32	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 46,467	116.0	1.57	\$ 4,048	0	1.57	\$ -
33	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 37,144	131.0	1.57	\$ 3,654	0	1.57	\$ -
34	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 42,709	131.0	1.57	\$ 4,202	0	1.57	\$ -
35	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 37,144	116.0	1.57	\$ 3,236	0	1.57	\$ -
36	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 37,055	116.0	1.57	\$ 3,228	0	1.57	\$ -
37	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 43,465	116.0	1.57	\$ 3,786	0	1.57	\$ -
38	Distribution			120206	LEX-Field Services	N	N	L13	2088	\$ 39,985	116.0	1.57	\$ 3,483	0	1.57	\$ -
39	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
40	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
41	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
42	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
43	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
44	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
45	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
46	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -
47	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -

Click '+' To Expand Regular

Click '+' To Expand Non-Sched OT

Click '+' To Expand Sched OT

Kentucky American Water

Calculation of Forecasted Labor & Labor Related Expenses

Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax Exhibits\Expense\Labor and Labor Related.xlsx\KY Forecast Labor

W/P - 3-1

W/P - 3-1a

W/P - 3-1b

W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Union? (U/N)	Exempt? (Y/N)	Pay Grade	1A Gross Regular			1B Gross Non-Scheduled OT			1C Gross Scheduled OT		
									Regular Time Hours	Regular Time Wages	NS Hours	OT Multiplier	NS Wages	Sched. OT Hours	OT Multiplier	Sched. OT Wages	
49	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -	
50	Distribution			120206	LEX-Field Services	U	N		2088	\$ 50,302	223.5	1.57	\$ 8,450	0	1.57	\$ -	
51	Distribution			120206	LEX-Field Services	U	N		2088	\$ 51,502	451.0	1.57	\$ 17,416	0	1.57	\$ -	
52	Distribution			120206	LEX-Field Services	U	N		2088	\$ 51,502	478.0	1.57	\$ 18,524	0	1.57	\$ -	
53	Distribution			120201	LEX-Production	U	N		2088	\$ 53,559	209.0	1.57	\$ 8,403	0	1.57	\$ -	
54	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
55	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
56	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
57	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
58	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
59	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
60	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
61	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
62	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
63	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
64	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
65	Distribution			120206	LEX-Field Services	U	N		2088	\$ 52,687	269.9	1.57	\$ 10,655	0	1.57	\$ -	
66	Distribution			120206	LEX-Field Services	U	N	L06	2088	\$ 125,217	0.0	1.57	\$ -	0	1.57	\$ -	
67	Distribution			120206	LEX-Field Services	N	N	L10	2088	\$ 57,718	256.4	1.57	\$ 11,108	0	1.57	\$ -	
68	Distribution			120206	LEX-Field Services	N	N	L10	2088	\$ 59,232	84.0	1.57	\$ 3,733	0	1.57	\$ -	
69	Distribution			120206	LEX-Field Services	N	N	L10	2088	\$ 64,851	0.0	1.57	\$ -	0	1.57	\$ -	
70	Distribution			120206	LEX-Field Services	N	N	L09	2088	\$ 71,826	0.0	1.57	\$ -	0	1.57	\$ -	
71	Distribution			120206	LEX-Field Services	N	Y	L09	2088	\$ 90,063	0.0	1.57	\$ -	0	1.57	\$ -	
72	Distribution			120206	LEX-Field Services	N	Y	L09	2088	\$ 86,592	0.0	1.57	\$ -	0	1.57	\$ -	
73	Distribution			120206	LEX-Field Services	N	Y	L09	2088	\$ 79,738	0.0	1.57	\$ -	0	1.57	\$ -	
74	Distribution			120206	LEX-Field Services	N	Y	L09	2088	\$ 67,034	0.0	1.57	\$ -	0	1.57	\$ -	
75	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
76	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
77	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
78	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
79	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
80	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
81	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
82	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
83	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
84	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
85	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
86	Distribution			120206	LEX-Field Services	U	N		2088	\$ 47,707	139.0	1.57	\$ 4,978	0	1.57	\$ -	
87	Production			120217	LEX-Water Quality	N	Y	L10	2088	\$ 53,788	0.0	1.57	\$ -	0	1.57	\$ -	
88	Production			120217	LEX-Water Quality	N	Y	L10	2088	\$ 65,802	0.0	1.57	\$ -	0	1.57	\$ -	
89	Production			120217	LEX-Water Quality	N	N	L10	2088	\$ 58,468	0.0	1.57	\$ -	0	1.57	\$ -	
90	Production			120217	LEX-Water Quality	N	Y	L07	2088	\$ 83,555	0.0	1.57	\$ -	0	1.57	\$ -	
91	Production			120201	LEX-Production	N	N	L12	2088	\$ 48,173	180.0	1.57	\$ 6,506	0	1.57	\$ -	
92	Production			120201	LEX-Production	U	N		2088	\$ 53,559	104.6	1.57	\$ 4,206	0	1.57	\$ -	
93	Production			120201	LEX-Production	U	N		2088	\$ 53,559	104.6	1.57	\$ 4,206	0	1.57	\$ -	
94	Production			120201	LEX-Production	U	N		2088	\$ 53,559	104.6	1.57	\$ 4,206	0	1.57	\$ -	
95	Production			120201	LEX-Production	U	N		2088	\$ 53,559	104.6	1.57	\$ 4,206	0	1.57	\$ -	

CONFIDENTIAL

Click '+' To Expand Regular

Click '+' To Expand Non-Sched OT

Click '+' To Expand Sched OT

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Union? (U/N)	Exempt? (Y/N)	Pay Grade	Gross Regular		Gross Non-Scheduled OT			Gross Scheduled OT		
									Regular Time Hours	Regular Time Wages	NS Hours	OT Multiplier	NS Wages	Sched. OT Hours	OT Multiplier	Sched. OT Wages
97	Production			120201	LEX-Production	N	N	L10	2088	\$ 67,887	135.0	1.57	\$ 6,881	0	1.57	\$ -
98	Production			120201	LEX-Production	N	N	L10	2088	\$ 58,620	0.0	1.57	\$ -	0	1.57	\$ -
99	Production			120201	LEX-Production	N	N	L10	2088	\$ 59,341	0.0	1.57	\$ -	0	1.57	\$ -
100	Production			120201	LEX-Production	N	Y	L09	2088	\$ 78,728	0.0	1.57	\$ -	0	1.57	\$ -
101	Production			120201	LEX-Production	N	Y	L09	2088	\$ 70,570	0.0	1.57	\$ -	0	1.57	\$ -
102	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,965	132.0	1.57	\$ 5,544	0	1.57	\$ -
103	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,218	132.0	1.57	\$ 5,470	72	1.57	\$ 2,994
104	Production			120201	LEX-Production	U	N	L10	2088	\$ 53,559	132.0	1.57	\$ 5,305	72	1.57	\$ 2,904
105	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,218	132.0	1.57	\$ 5,470	0	1.57	\$ -
106	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,218	132.0	1.57	\$ 5,470	0	1.57	\$ -
107	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,469	132.0	1.57	\$ 5,495	0	1.57	\$ -
108	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,965	132.0	1.57	\$ 5,544	72	1.57	\$ 3,034
109	Production			120201	LEX-Production	U	N	L10	2088	\$ 53,559	132.0	1.57	\$ 5,305	72	1.57	\$ 2,904
110	Production			120201	LEX-Production	U	N	L10	2088	\$ 53,559	132.0	1.57	\$ 5,305	0	1.57	\$ -
111	Production			120201	LEX-Production	U	N	L10	2088	\$ 51,982	132.0	1.57	\$ 5,149	72	1.57	\$ 2,818
112	Production			120201	LEX-Production	U	N	L10	2088	\$ 55,469	132.0	1.57	\$ 5,495	72	1.57	\$ 3,007
113	Production			120201	LEX-Production	U	N	L10	2088	\$ 50,985	132.0	1.57	\$ 5,051	0	1.57	\$ -
114	Production			120201	LEX-Production	U	N	L10	2088	\$ 52,624	132.0	1.57	\$ 5,213	0	1.57	\$ -
115	Production			120201	LEX-Production	U	N	L10	2088	\$ 51,794	132.0	1.57	\$ 5,131	0	1.57	\$ -
116	Production			120201	LEX-Production	U	N	L10	2088	\$ 50,302	132.0	1.57	\$ 4,983	72	1.57	\$ 2,727
117	Production			120252	LEX-Pool III WTP	N	N	L11	2088	\$ 51,214	46.1	1.57	\$ 1,772	72	1.57	\$ 2,758
118	Production			120252	LEX-Pool III WTP	N	N	L11	2088	\$ 51,190	46.1	1.57	\$ 1,771	0	1.57	\$ -
119	Production			120252	LEX-Pool III WTP	N	N	L10	2088	\$ 58,459	46.1	1.57	\$ 2,023	0	1.57	\$ -
120	Production			120252	LEX-Pool III WTP	N	N	L11	2088	\$ 53,702	46.1	1.57	\$ 1,858	0	1.57	\$ -
121	Production			120252	LEX-Pool III WTP	N	N	L11	2088	\$ 52,854	46.1	1.57	\$ 1,829	0	1.57	\$ -
122	Production			120252	LEX-Pool III WTP	N	N	L11	2088	\$ 50,117	46.1	1.57	\$ 1,734	0	1.57	\$ -
123	Production			120252	LEX-Pool III WTP	N	Y	L09	2088	\$ 69,855	0.0	1.57	\$ -	0	1.57	\$ -
124	Production			120252	LEX-Pool III WTP	N	N	L10	2088	\$ 52,137	12.0	1.57	\$ 469	0	1.57	\$ -
125	Production			123201	OWN-Production	N	N	L10	2088	\$ 53,847	59.6	1.57	\$ 2,403	0	1.57	\$ -
126	Production	12/31/2013		123201	OWN-Production	N	N	L11	872	\$ 19,249	37.0	1.57	\$ 1,280	8	1.57	\$ 277
127	Production	12/31/2013		123201	OWN-Production	N	N	L11	872	\$ 19,086	37.0	1.57	\$ 1,269	0	1.57	\$ -
128	Production	12/31/2013		123201	OWN-Production	N	N	L11	872	\$ 19,429	37.0	1.57	\$ 1,292	0	1.57	\$ -
129	Production	12/31/2013		123201	OWN-Production	N	N	L11	872	\$ 19,145	37.0	1.57	\$ 1,273	0	1.57	\$ -
130	Distribution			123205	OWN-Admin & Gen	N	Y	L07	2088	\$ 105,519	0.0	1.57	\$ -	0	1.57	\$ -
131	Distribution			123205	OWN-Admin & Gen	N	N	L13	2088	\$ 37,172	72.0	1.57	\$ 2,008	0	1.57	\$ -
132	Distribution			123205	OWN-Admin & Gen	N	N	L13	2088	\$ 38,013	72.0	1.57	\$ 2,054	0	1.57	\$ -
133	Distribution			123206	OWN-Field Services	N	N	L12	2088	\$ 43,448	192.0	1.57	\$ 6,259	0	1.57	\$ -
134	Distribution			123206	OWN-Field Services	N	N	L12	2088	\$ 43,448	192.0	1.57	\$ 6,259	0	1.57	\$ -
135	Distribution			123206	OWN-Field Services	N	N	L12	2088	\$ 45,746	192.0	1.57	\$ 6,590	0	1.57	\$ -
136	Distribution			123206	OWN-Field Services	N	N	L12	2088	\$ 46,969	192.0	1.57	\$ 6,766	0	1.57	\$ -
137	Production			123301	OWNWW-Production	N	N	L11	2088	\$ 46,878	72.0	1.57	\$ 2,532	72	1.57	\$ 2,744
138	Production	#####		120252	LEX-Pool III WTP	N	N	L11	1216	\$ 32,993	38.6	1.57	\$ 1,119	0	1.57	\$ -
139	Distribution			120206	LEX-Field Services	N	N	L10	2088	\$ 72,177	0.0	1.57	\$ -	0	1.57	\$ -
Sum									280,152	\$ 7,726,990	15,092	218	\$ 571,012	656	216	\$ 25,947

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
W/P - 3-1a
W/P - 3-1b
W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	1D		1 Total		2A	2B	3A	3B
						Gross Shift Premium	Shift Premium Wages	Gross Total Wages Regular, OT & Shift Premiums	Gross Misc. Retirement 401(k)	Defined Contrib. Plan	AIP	Gross Incentive	
1	A&G			120118	CORP-Human			\$	\$	1,857	\$	5,781	\$
2	A&G			120105	CORP-Admin & Gen			\$	\$	3,971	\$	31,770	\$
3	A&G			120105	CORP-Admin & Gen			\$	\$	4,550	\$	54,597	\$
4	A&G			120105	CORP-Admin & Gen			\$	\$	1,623	\$	-	\$
5	A&G			120119	CORP-Loss Control			\$	\$	73,690	\$	7,369	\$
6	A&G			120119	CORP-Loss Control			\$	\$	59,050	\$	-	\$
7	A&G			120121	CORP-Communications			\$	\$	104,518	\$	15,678	\$
8	A&G			120121	CORP-Communications			\$	\$	46,913	\$	2,445	\$
9	A&G			120105	CORP-Admin & Gen			\$	\$	52,220	\$	2,742	\$
10	A&G			120121	CORP-Communications			\$	\$	62,665	\$	3,290	\$
11	A&G			120114	CORP-Engineering			\$	\$	71,020	\$	3,133	\$
12	A&G			120114	CORP-Engineering			\$	\$	52,535	\$	7,102	\$
13	A&G			120114	CORP-Engineering			\$	\$	70,381	\$	-	\$
14	A&G			120114	CORP-Engineering			\$	\$	52,702	\$	-	\$
15	A&G			120114	CORP-Engineering			\$	\$	59,621	\$	-	\$
16	A&G			120114	CORP-Engineering			\$	\$	87,137	\$	4,575	\$
17	A&G			120114	CORP-Engineering			\$	\$	53,306	\$	2,799	\$
18	A&G			120114	CORP-Engineering			\$	\$	46,776	\$	-	\$
19	A&G			120114	CORP-Engineering			\$	\$	92,161	\$	4,838	\$
20	A&G			120114	CORP-Engineering			\$	\$	52,572	\$	2,760	\$
21	Distribution		12/31/2013	120206	LEX-Field Services			\$	\$	21,177	\$	1,037	\$
22	Distribution			120206	LEX-Field Services			\$	\$	51,078	\$	1,193	\$
23	Distribution			120206	LEX-Field Services			\$	\$	53,855	\$	-	\$
24	Distribution			120206	LEX-Field Services			\$	\$	51,078	\$	-	\$
25	Distribution		8/30/2013	120206	LEX-Field Services			\$	\$	4,159	\$	207	\$
26	Distribution			120206	LEX-Field Services			\$	\$	56,424	\$	-	\$
27	Distribution			120206	LEX-Field Services			\$	\$	51,078	\$	2,505	\$
28	Distribution			120206	LEX-Field Services			\$	\$	51,078	\$	-	\$
29	Distribution		12/31/2013	120206	LEX-Field Services			\$	\$	21,177	\$	1,037	\$
30	Distribution			120206	LEX-Field Services			\$	\$	57,741	\$	-	\$
31	Distribution			120206	LEX-Field Services			\$	\$	50,066	\$	2,305	\$
32	Distribution			120206	LEX-Field Services			\$	\$	50,515	\$	2,440	\$
33	Distribution			120206	LEX-Field Services			\$	\$	40,798	\$	1,950	\$
34	Distribution			120206	LEX-Field Services			\$	\$	46,911	\$	2,242	\$
35	Distribution			120206	LEX-Field Services			\$	\$	40,379	\$	1,950	\$
36	Distribution			120206	LEX-Field Services			\$	\$	40,282	\$	1,945	\$
37	Distribution			120206	LEX-Field Services			\$	\$	47,252	\$	-	\$
38	Distribution			120206	LEX-Field Services			\$	\$	43,468	\$	2,099	\$
39	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
40	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
41	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
42	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
43	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
44	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
45	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
46	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$
47	Distribution			120206	LEX-Field Services			\$	\$	58,751	\$	2,641	\$

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor
 W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	1D		1 Total		2A	2B	3A	3B
						Gross Shift Premium	Shift Premium Wages	Gross Total Wages Regular, OT & Shift Premiums	Gross Misc. Retirement 401(k)	Gross Misc. Retirement Contrib. Defined Plan	AIP	Gross Incentive	
49	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 58,751	\$ 2,012	\$ -	\$ -	\$ -	\$ -
50	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 58,751	\$ 1,469	\$ -	\$ 2,641	\$ -	\$ -
51	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 68,918	\$ 1,288	\$ -	\$ -	\$ -	\$ -
52	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 70,026	\$ -	\$ 2,704	\$ -	\$ -	\$ -
53	Distribution			120201	LEX-Production	\$ 30	\$ -	\$ 61,992	\$ -	\$ -	\$ -	\$ -	\$ -
54	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ -	\$ -	\$ -	\$ -	\$ -
55	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
56	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 790	\$ -	\$ -	\$ -	\$ -
57	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
58	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
59	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
60	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
61	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 790	\$ -	\$ -	\$ -	\$ -
62	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ -	\$ -	\$ -	\$ -	\$ -
63	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
64	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,054	\$ -	\$ -	\$ -	\$ -
65	Distribution			120206	LEX-Field Services	\$ 28	\$ -	\$ 63,370	\$ 1,317	\$ -	\$ -	\$ -	\$ -
66	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 125,217	\$ 6,010	\$ 6,574	\$ -	\$ 25,043	\$ -
67	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 68,826	\$ 1,443	\$ -	\$ -	\$ -	\$ -
68	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 62,966	\$ -	\$ -	\$ -	\$ -	\$ -
69	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 64,851	\$ 1,893	\$ 3,405	\$ -	\$ -	\$ -
70	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 71,826	\$ 1,796	\$ -	\$ 7,183	\$ -	\$ -
71	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 90,063	\$ 2,252	\$ -	\$ 9,006	\$ -	\$ -
72	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 86,592	\$ 2,165	\$ -	\$ 8,659	\$ -	\$ -
73	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 79,738	\$ 1,993	\$ -	\$ 7,974	\$ -	\$ -
74	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 67,034	\$ 1,676	\$ -	\$ 6,703	\$ -	\$ -
75	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
76	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
77	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
78	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 1,393	\$ 2,505	\$ -	\$ -	\$ -
79	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 477	\$ 2,505	\$ -	\$ -	\$ -
80	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 1,908	\$ 2,505	\$ -	\$ -	\$ -
81	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 1,393	\$ 2,505	\$ -	\$ -	\$ -
82	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 477	\$ 2,505	\$ -	\$ -	\$ -
83	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
84	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ 1,908	\$ 2,505	\$ -	\$ -	\$ -
85	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
86	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 52,685	\$ -	\$ 2,505	\$ -	\$ -	\$ -
87	Production			120217	LEX-Water Quality	\$ -	\$ -	\$ 53,788	\$ 1,977	\$ 2,824	\$ -	\$ 2,689	\$ -
88	Production			120217	LEX-Water Quality	\$ -	\$ -	\$ 65,802	\$ 1,645	\$ -	\$ -	\$ 3,290	\$ -
89	Production			120217	LEX-Water Quality	\$ -	\$ -	\$ 58,468	\$ 1,462	\$ -	\$ -	\$ -	\$ -
90	Production			120217	LEX-Water Quality	\$ -	\$ -	\$ 83,555	\$ 2,089	\$ -	\$ -	\$ 12,533	\$ -
91	Production			120201	LEX-Production	\$ -	\$ -	\$ 54,679	\$ 1,204	\$ -	\$ -	\$ -	\$ -
92	Production			120201	LEX-Production	\$ 30	\$ -	\$ 57,795	\$ -	\$ -	\$ -	\$ -	\$ -
93	Production			120201	LEX-Production	\$ 30	\$ -	\$ 57,795	\$ 2,142	\$ 2,812	\$ -	\$ -	\$ -
94	Production			120201	LEX-Production	\$ 30	\$ -	\$ 57,795	\$ 2,812	\$ 2,812	\$ -	\$ -	\$ -
95	Production			120201	LEX-Production	\$ -	\$ -	\$ 57,764	\$ 1,564	\$ 2,812	\$ -	\$ -	\$ -

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor
 W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	1D		1 Total		2A	2B	3A	3B
						Gross Shift Premium	Shift Premium Wages	Gross Total Wages Regular, OT & Shift Premiums	Gross Misc. Retirement 401(k)	Defined Contrib. Plan	AIP	Gross Incentive	
97	Production			120201	LEX-Production	\$ -	\$ -	\$ 74,768	\$ 2,715	\$ 3,564	\$ -	\$ -	\$ -
98	Production			120201	LEX-Production	\$ -	\$ -	\$ 58,620	\$ 2,345	\$ 3,078	\$ -	\$ -	\$ -
99	Production			120201	LEX-Production	\$ -	\$ -	\$ 59,341	\$ 2,374	\$ 3,115	\$ -	\$ -	\$ -
100	Production			120201	LEX-Production	\$ -	\$ -	\$ 78,728	\$ 1,968	\$ -	\$ 7,873	\$ -	\$ -
101	Production			120201	LEX-Production	\$ -	\$ -	\$ 70,570	\$ 3,105	\$ 3,705	\$ 7,057	\$ -	\$ -
102	Production			120201	LEX-Production	\$ 1,107	\$ 1,107	\$ 62,615	\$ -	\$ 2,938	\$ -	\$ -	\$ -
103	Production			120201	LEX-Production	\$ 688	\$ 688	\$ 64,371	\$ 1,104	\$ -	\$ -	\$ -	\$ -
104	Production			120201	LEX-Production	\$ 14	\$ 14	\$ 61,782	\$ -	\$ -	\$ -	\$ -	\$ -
105	Production			120201	LEX-Production	\$ 688	\$ 688	\$ 61,377	\$ 1,104	\$ -	\$ -	\$ -	\$ -
106	Production			120201	LEX-Production	\$ 688	\$ 688	\$ 61,377	\$ 1,380	\$ -	\$ -	\$ -	\$ -
107	Production			120201	LEX-Production	\$ 739	\$ 739	\$ 61,703	\$ -	\$ -	\$ -	\$ -	\$ -
108	Production			120201	LEX-Production	\$ 1,107	\$ 1,107	\$ 65,650	\$ 1,634	\$ 2,938	\$ -	\$ -	\$ -
109	Production			120201	LEX-Production	\$ 14	\$ 14	\$ 61,782	\$ 1,564	\$ 2,812	\$ -	\$ -	\$ -
110	Production			120201	LEX-Production	\$ 14	\$ 14	\$ 58,878	\$ -	\$ -	\$ -	\$ -	\$ -
111	Production			120201	LEX-Production	\$ 646	\$ 646	\$ 60,596	\$ -	\$ 2,729	\$ -	\$ -	\$ -
112	Production			120201	LEX-Production	\$ 739	\$ 739	\$ 64,710	\$ 1,620	\$ 2,912	\$ -	\$ -	\$ -
113	Production			120201	LEX-Production	\$ 43	\$ 43	\$ 56,079	\$ 2,039	\$ 2,677	\$ -	\$ -	\$ -
114	Production			120201	LEX-Production	\$ 225	\$ 225	\$ 58,062	\$ 2,105	\$ 2,763	\$ -	\$ -	\$ -
115	Production			120201	LEX-Production	\$ -	\$ -	\$ 56,925	\$ -	\$ -	\$ -	\$ -	\$ -
116	Production			120201	LEX-Production	\$ 7	\$ 7	\$ 58,019	\$ -	\$ -	\$ -	\$ -	\$ -
117	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 55,744	\$ -	\$ 2,689	\$ -	\$ -	\$ -
118	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 52,961	\$ -	\$ 2,687	\$ -	\$ -	\$ -
119	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 60,482	\$ 2,419	\$ 3,069	\$ -	\$ -	\$ -
120	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 55,559	\$ 1,074	\$ -	\$ -	\$ -	\$ -
121	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 54,683	\$ -	\$ 2,775	\$ -	\$ -	\$ -
122	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 51,851	\$ 1,253	\$ -	\$ -	\$ -	\$ -
123	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 69,855	\$ -	\$ 3,667	\$ 6,986	\$ -	\$ -
124	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 52,607	\$ 2,104	\$ 2,737	\$ -	\$ -	\$ -
125	Production			123201	OWN-Production	\$ -	\$ -	\$ 56,250	\$ 2,250	\$ 2,827	\$ -	\$ -	\$ -
126	Production		12/31/2013	123201	OWN-Production	\$ -	\$ -	\$ 20,806	\$ 481	\$ -	\$ -	\$ -	\$ -
127	Production		12/31/2013	123201	OWN-Production	\$ -	\$ -	\$ 20,721	\$ 486	\$ -	\$ -	\$ -	\$ -
128	Production		12/31/2013	123201	OWN-Production	\$ -	\$ -	\$ 20,418	\$ -	\$ 1,002	\$ -	\$ -	\$ -
129	Production		12/31/2013	123201	OWN-Production	\$ -	\$ -	\$ 105,519	\$ 3,543	\$ 5,540	\$ 15,828	\$ -	\$ -
130	Distribution			123205	OWN-Admin & Gen	\$ -	\$ -	\$ 39,180	\$ 929	\$ -	\$ -	\$ -	\$ -
131	Distribution			123205	OWN-Admin & Gen	\$ -	\$ -	\$ 40,066	\$ 950	\$ -	\$ -	\$ -	\$ -
132	Distribution			123206	OWN-Field Services	\$ -	\$ -	\$ 49,707	\$ -	\$ 2,281	\$ -	\$ -	\$ -
133	Distribution			123206	OWN-Field Services	\$ -	\$ -	\$ 49,707	\$ -	\$ 2,281	\$ -	\$ -	\$ -
134	Distribution			123206	OWN-Field Services	\$ -	\$ -	\$ 52,336	\$ -	\$ -	\$ -	\$ -	\$ -
135	Distribution			123206	OWN-Field Services	\$ -	\$ -	\$ 53,736	\$ 1,174	\$ -	\$ -	\$ -	\$ -
136	Distribution			123301	OWNWW-Production	\$ -	\$ -	\$ 51,935	\$ -	\$ -	\$ -	\$ -	\$ -
137	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 34,112	\$ 996	\$ 1,732	\$ -	\$ -	\$ -
138	Production			120252	LEX-Pool III WTP	\$ -	\$ -	\$ 72,177.15	\$ 2,107	\$ -	\$ -	\$ -	\$ -
139	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ 8,331,142	\$ 172,330	\$ 209,193	\$ 282,326	\$ -	\$ -
Sum						\$ 7,193	\$ -	\$ 8,331,142	\$ 172,330	\$ 209,193	\$ 282,326	\$ -	\$ 70,482

Kentucky American Water
 Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor
 W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Gross Payroll Taxes				
						FICA Withholding	FICA Medicare	SUTA	FUTA	
1	A&G			120118	CORP-Human	\$ 3,942	\$ 922	\$ 126	\$ 42	
2	A&G			120105	CORP-Admin & Gen	\$ 6,622	\$ 2,764	\$ 126	\$ 42	
3	A&G			120105	CORP-Admin & Gen	\$ 6,622	\$ 3,431	\$ 126	\$ 42	
4	A&G			120105	CORP-Admin & Gen	\$ 4,026	\$ 941	\$ 126	\$ 42	
5	A&G			120119	CORP-Loss Control	\$ 5,026	\$ 1,175	\$ 126	\$ 42	
6	A&G			120119	CORP-Loss Control	\$ 3,661	\$ 856	\$ 126	\$ 42	
7	A&G			120121	CORP-Communications	\$ 6,622	\$ 1,743	\$ 126	\$ 42	
8	A&G			120121	CORP-Communications	\$ 2,909	\$ 680	\$ 126	\$ 42	
9	A&G			120105	CORP-Admin & Gen	\$ 3,238	\$ 757	\$ 126	\$ 42	
10	A&G			120121	CORP-Communications	\$ 4,079	\$ 954	\$ 126	\$ 42	
11	A&G			120114	CORP-Engineering	\$ 4,844	\$ 1,133	\$ 126	\$ 42	
12	A&G			120114	CORP-Engineering	\$ 3,257	\$ 762	\$ 126	\$ 42	
13	A&G			120114	CORP-Engineering	\$ 4,364	\$ 1,021	\$ 126	\$ 42	
14	A&G			120114	CORP-Engineering	\$ 3,268	\$ 764	\$ 126	\$ 42	
15	A&G			120114	CORP-Engineering	\$ 3,697	\$ 865	\$ 126	\$ 42	
16	A&G			120114	CORP-Engineering	\$ 6,213	\$ 1,453	\$ 126	\$ 42	
17	A&G			120114	CORP-Engineering	\$ 3,305	\$ 773	\$ 126	\$ 42	
18	A&G			120114	CORP-Engineering	\$ 2,900	\$ 678	\$ 126	\$ 42	
19	A&G			120114	CORP-Engineering	\$ 6,285	\$ 1,470	\$ 126	\$ 42	
20	A&G			120114	CORP-Engineering	\$ 3,259	\$ 762	\$ 126	\$ 42	
21	Distribution		12/31/2013	120206	LEX-Field Services	\$ 1,313	\$ 307	\$ 126	\$ 42	
22	Distribution			120206	LEX-Field Services	\$ 3,167	\$ 741	\$ 126	\$ 42	
23	Distribution			120206	LEX-Field Services	\$ 3,339	\$ 781	\$ 126	\$ 42	
24	Distribution			120206	LEX-Field Services	\$ 3,167	\$ 741	\$ 126	\$ 42	
25	Distribution		8/30/2013	120206	LEX-Field Services	\$ 258	\$ 60	\$ 58	\$ 25	
26	Distribution			120206	LEX-Field Services	\$ 3,167	\$ 741	\$ 126	\$ 42	
27	Distribution			120206	LEX-Field Services	\$ 3,498	\$ 818	\$ 126	\$ 42	
28	Distribution			120206	LEX-Field Services	\$ 3,167	\$ 741	\$ 126	\$ 42	
29	Distribution		12/31/2013	120206	LEX-Field Services	\$ 1,313	\$ 307	\$ 126	\$ 42	
30	Distribution			120206	LEX-Field Services	\$ 3,580	\$ 837	\$ 126	\$ 42	
31	Distribution			120206	LEX-Field Services	\$ 3,104	\$ 726	\$ 126	\$ 42	
32	Distribution			120206	LEX-Field Services	\$ 3,132	\$ 732	\$ 126	\$ 42	
33	Distribution			120206	LEX-Field Services	\$ 2,529	\$ 592	\$ 126	\$ 42	
34	Distribution			120206	LEX-Field Services	\$ 2,909	\$ 680	\$ 126	\$ 42	
35	Distribution			120206	LEX-Field Services	\$ 2,504	\$ 585	\$ 126	\$ 42	
36	Distribution			120206	LEX-Field Services	\$ 2,498	\$ 584	\$ 126	\$ 42	
37	Distribution			120206	LEX-Field Services	\$ 2,930	\$ 685	\$ 126	\$ 42	
38	Distribution			120206	LEX-Field Services	\$ 2,695	\$ 630	\$ 126	\$ 42	
39	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
40	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
41	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
42	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
43	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
44	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
45	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
46	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
47	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
W/P - 3-1a
W/P - 3-1b
W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Gross Payroll Taxes				
						FICA Withholding	FICA Medicare	SUTA	FUTA	
49	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
50	Distribution			120206	LEX-Field Services	\$ 3,643	\$ 852	\$ 126	\$ 42	
51	Distribution			120206	LEX-Field Services	\$ 4,273	\$ 999	\$ 126	\$ 42	
52	Distribution			120206	LEX-Field Services	\$ 4,342	\$ 1,015	\$ 126	\$ 42	
53	Distribution			120201	LEX-Production	\$ 3,843	\$ 899	\$ 126	\$ 42	
54	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
55	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
56	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
57	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
58	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
59	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
60	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
61	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
62	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
63	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
64	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
65	Distribution			120206	LEX-Field Services	\$ 3,929	\$ 919	\$ 126	\$ 42	
66	Distribution			120206	LEX-Field Services	\$ 6,622	\$ 2,179	\$ 126	\$ 42	
67	Distribution			120206	LEX-Field Services	\$ 4,267	\$ 998	\$ 126	\$ 42	
68	Distribution			120206	LEX-Field Services	\$ 3,904	\$ 913	\$ 126	\$ 42	
69	Distribution			120206	LEX-Field Services	\$ 4,021	\$ 940	\$ 126	\$ 42	
70	Distribution			120206	LEX-Field Services	\$ 4,899	\$ 1,146	\$ 126	\$ 42	
71	Distribution			120206	LEX-Field Services	\$ 6,142	\$ 1,437	\$ 126	\$ 42	
72	Distribution			120206	LEX-Field Services	\$ 5,906	\$ 1,381	\$ 126	\$ 42	
73	Distribution			120206	LEX-Field Services	\$ 5,438	\$ 1,272	\$ 126	\$ 42	
74	Distribution			120206	LEX-Field Services	\$ 4,572	\$ 1,069	\$ 126	\$ 42	
75	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
76	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
77	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
78	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
79	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
80	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
81	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
82	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
83	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
84	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
85	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
86	Distribution			120206	LEX-Field Services	\$ 3,267	\$ 764	\$ 126	\$ 42	
87	Production			120217	LEX-Water Quality	\$ 3,502	\$ 819	\$ 126	\$ 42	
88	Production			120217	LEX-Water Quality	\$ 4,284	\$ 1,002	\$ 126	\$ 42	
89	Production			120217	LEX-Water Quality	\$ 3,625	\$ 848	\$ 126	\$ 42	
90	Production			120217	LEX-Water Quality	\$ 5,957	\$ 1,393	\$ 126	\$ 42	
91	Production			120201	LEX-Production	\$ 3,390	\$ 793	\$ 126	\$ 42	
92	Production			120201	LEX-Production	\$ 3,583	\$ 838	\$ 126	\$ 42	
93	Production			120201	LEX-Production	\$ 3,583	\$ 838	\$ 126	\$ 42	
94	Production			120201	LEX-Production	\$ 3,583	\$ 838	\$ 126	\$ 42	
95	Production			120201	LEX-Production	\$ 3,581	\$ 838	\$ 126	\$ 42	

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor
 W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Gross Payroll Taxes			
						FICA Withholding	FICA Medicare	SUTA	FUTA
97	Production			120201	LEX-Production	\$ 4,636	\$ 1,084	\$ 126	\$ 42
98	Production			120201	LEX-Production	\$ 3,634	\$ 850	\$ 126	\$ 42
99	Production			120201	LEX-Production	\$ 3,679	\$ 860	\$ 126	\$ 42
100	Production			120201	LEX-Production	\$ 5,369	\$ 1,256	\$ 126	\$ 42
101	Production			120201	LEX-Production	\$ 4,813	\$ 1,126	\$ 126	\$ 42
102	Production			120201	LEX-Production	\$ 3,882	\$ 908	\$ 126	\$ 42
103	Production			120201	LEX-Production	\$ 3,991	\$ 933	\$ 126	\$ 42
104	Production			120201	LEX-Production	\$ 3,830	\$ 896	\$ 126	\$ 42
105	Production			120201	LEX-Production	\$ 3,805	\$ 890	\$ 126	\$ 42
106	Production			120201	LEX-Production	\$ 3,805	\$ 890	\$ 126	\$ 42
107	Production			120201	LEX-Production	\$ 3,826	\$ 895	\$ 126	\$ 42
108	Production			120201	LEX-Production	\$ 4,070	\$ 952	\$ 126	\$ 42
109	Production			120201	LEX-Production	\$ 3,830	\$ 896	\$ 126	\$ 42
110	Production			120201	LEX-Production	\$ 3,650	\$ 854	\$ 126	\$ 42
111	Production			120201	LEX-Production	\$ 3,757	\$ 879	\$ 126	\$ 42
112	Production			120201	LEX-Production	\$ 4,012	\$ 938	\$ 126	\$ 42
113	Production			120201	LEX-Production	\$ 3,477	\$ 813	\$ 126	\$ 42
114	Production			120201	LEX-Production	\$ 3,600	\$ 842	\$ 126	\$ 42
115	Production			120201	LEX-Production	\$ 3,529	\$ 825	\$ 126	\$ 42
116	Production			120201	LEX-Production	\$ 3,597	\$ 841	\$ 126	\$ 42
117	Production			120252	LEX-Pool III WTP	\$ 3,456	\$ 808	\$ 126	\$ 42
118	Production			120252	LEX-Pool III WTP	\$ 3,284	\$ 768	\$ 126	\$ 42
119	Production			120252	LEX-Pool III WTP	\$ 3,750	\$ 877	\$ 126	\$ 42
120	Production			120252	LEX-Pool III WTP	\$ 3,445	\$ 806	\$ 126	\$ 42
121	Production			120252	LEX-Pool III WTP	\$ 3,390	\$ 793	\$ 126	\$ 42
122	Production			120252	LEX-Pool III WTP	\$ 3,215	\$ 752	\$ 126	\$ 42
123	Production			120252	LEX-Pool III WTP	\$ 4,764	\$ 1,114	\$ 126	\$ 42
124	Production			120252	LEX-Pool III WTP	\$ 3,262	\$ 763	\$ 126	\$ 42
125	Production			123201	OWN-Production	\$ 3,487	\$ 816	\$ 126	\$ 42
126	Production	12/31/2013		123201	OWN-Production	\$ 1,290	\$ 302	\$ 126	\$ 42
127	Production	12/31/2013		123201	OWN-Production	\$ 1,262	\$ 295	\$ 126	\$ 42
128	Production	12/31/2013		123201	OWN-Production	\$ 1,285	\$ 300	\$ 126	\$ 42
129	Production	12/31/2013		123201	OWN-Production	\$ 1,266	\$ 296	\$ 126	\$ 42
130	Distribution			123205	OWN-Admin & Gen	\$ 6,622	\$ 1,760	\$ 126	\$ 42
131	Distribution			123205	OWN-Admin & Gen	\$ 2,429	\$ 568	\$ 126	\$ 42
132	Distribution			123205	OWN-Admin & Gen	\$ 2,484	\$ 581	\$ 126	\$ 42
133	Distribution			123206	OWN-Field Services	\$ 3,082	\$ 721	\$ 126	\$ 42
134	Distribution			123206	OWN-Field Services	\$ 3,082	\$ 721	\$ 126	\$ 42
135	Distribution			123206	OWN-Field Services	\$ 3,245	\$ 759	\$ 126	\$ 42
136	Distribution			123206	OWN-Field Services	\$ 3,332	\$ 779	\$ 126	\$ 42
137	Production			123301	OWNWW-Production	\$ 3,220	\$ 753	\$ 126	\$ 42
138	Production	#####		120252	LEX-Pool III WTP	\$ 2,115	\$ 495	\$ 126	\$ 42
139	Distribution			120206	LEX-Field Services	\$ 4,475	\$ 1,047	\$ 126	\$ 42
Sum						\$ 516,365	\$ 124,895	\$ 17,446	\$ 5,821

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
W/P - 3-1a
W/P - 3-1b
W/P - 5-3

CONFIDENTIAL

Begin Forecast 8/1/2013
End of Forecast 7/31/2014

5A 5B 5C 5D 5E 5F 5G

Gross Group Insurance

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Medical, Dental & Vision	Employee Contribution	VEBA	Basic Life	AD&D	Long Term Disability		Short Term Disability
											5C	5D	
1	A&G			120118	CORP-Human	\$ 15,091	\$ (2,557)		\$ 186	\$ 22	\$ 148	\$ 29	
2	A&G			120105	CORP-Admin & Gen	\$ 19,456	\$ (3,291)		\$ 430	\$ 61	\$ 407	\$ 29	
3	A&G			120105	CORP-Admin & Gen	\$ 19,456	\$ (3,291)		\$ 430	\$ 70	\$ 466	\$ 29	
4	A&G			120105	CORP-Admin & Gen	\$ 15,283	\$ (2,587)		\$ 209	\$ 25	\$ 166	\$ 29	
5	A&G			120119	CORP-Loss Control	\$ 6,938	\$ (1,168)		\$ 238	\$ 28	\$ 189	\$ 29	
6	A&G			120119	CORP-Loss Control	\$ 19,456	\$ (3,291)		\$ 190	\$ 23	\$ 151	\$ 29	
7	A&G			120121	CORP-Communications	\$ 19,456	\$ (3,291)		\$ 337	\$ 40	\$ 268	\$ 29	
8	A&G			120121	CORP-Communications	\$ 19,456	\$ (3,291)		\$ 150	\$ 18	\$ 119	\$ 29	
9	A&G			120105	CORP-Admin & Gen	\$ 6,938	\$ (1,168)		\$ 168	\$ 20	\$ 134	\$ 29	
10	A&G			120121	CORP-Communications	\$ 19,456	\$ (3,291)		\$ 202	\$ 24	\$ 160	\$ 29	
11	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 229	\$ 27	\$ 182	\$ 29	
12	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 169	\$ 20	\$ 134	\$ 29	
13	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 227	\$ 27	\$ 180	\$ 29	
14	A&G			120114	CORP-Engineering	\$ 6,938	\$ (1,168)		\$ 170	\$ 20	\$ 135	\$ 29	
15	A&G			120114	CORP-Engineering	\$ 15,283	\$ (2,587)		\$ 192	\$ 23	\$ 153	\$ 29	
16	A&G			120114	CORP-Engineering	\$ 6,938	\$ (1,168)		\$ 281	\$ 33	\$ 223	\$ 29	
17	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 172	\$ 20	\$ 136	\$ 29	
18	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 151	\$ 18	\$ 120	\$ 29	
19	A&G			120114	CORP-Engineering	\$ 15,091	\$ (2,557)		\$ 297	\$ 35	\$ 236	\$ 29	
20	A&G			120114	CORP-Engineering	\$ 19,456	\$ (3,291)		\$ 170	\$ 20	\$ 135	\$ 29	
21	Distribution		12/31/2013	120206	LEX-Field Services	\$ 7,377	\$ (1,329)		\$ 22	\$ 1	\$ -	\$ 12	
22	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 128	\$ 3	\$ -	\$ 29	
23	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 135	\$ 3	\$ -	\$ 29	
24	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)		\$ 128	\$ 3	\$ -	\$ 29	
25	Distribution		8/30/2013	120206	LEX-Field Services	\$ 1,408	\$ (253)	42	\$ 1	\$ 0	\$ -	\$ 2	
26	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 142	\$ 3	\$ -	\$ 29	
27	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 128	\$ 3	\$ -	\$ 29	
28	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 128	\$ 3	\$ -	\$ 29	
29	Distribution		12/31/2013	120206	LEX-Field Services	\$ 6,509	\$ (1,177)		\$ 22	\$ 1	\$ -	\$ 12	
30	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 144	\$ 3	\$ -	\$ 29	
31	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)		\$ 142	\$ 17	\$ 112	\$ 29	
32	Distribution			120206	LEX-Field Services	\$ -	\$ -		\$ 150	\$ 18	\$ 119	\$ 29	
33	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)		\$ 120	\$ 14	\$ 95	\$ 29	
34	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)		\$ 138	\$ 16	\$ 109	\$ 29	
35	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)		\$ 120	\$ 14	\$ 95	\$ 29	
36	Distribution			120206	LEX-Field Services	\$ 6,938	\$ (1,168)		\$ 120	\$ 14	\$ 95	\$ 29	
37	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)		\$ 140	\$ 17	\$ 111	\$ 29	
38	Distribution			120206	LEX-Field Services	\$ 15,283	\$ (2,587)		\$ 129	\$ 15	\$ 102	\$ 29	
39	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	500	\$ 135	\$ 3	\$ -	\$ 29	
40	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 135	\$ 3	\$ -	\$ 29	
41	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)		\$ 135	\$ 3	\$ -	\$ 29	
42	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)		\$ 135	\$ 3	\$ -	\$ 29	
43	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	500	\$ 135	\$ 3	\$ -	\$ 29	
44	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)	500	\$ 135	\$ 3	\$ -	\$ 29	
45	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)		\$ 135	\$ 3	\$ -	\$ 29	
46	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	500	\$ 135	\$ 3	\$ -	\$ 29	
47	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	500	\$ 135	\$ 3	\$ -	\$ 29	

Kentucky American Water
Calculation of Forecasted Labor & Labor Related Expenses
Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
W/P - 3-1a
W/P - 3-1b
W/P - 5-3

CONFIDENTIAL

Begin Forecast 8/1/2013
End of Forecast 7/31/2014

5A 5B 5C 5D 5E 5F 5G

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Medical, Dental & Vision	Employee Contribution	VEBA	Basic Life	AD&D	Gross Group Insurance		Short Term Disability
											Long Term Disability	Short Term Disability	
49	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 135	\$ 3	\$ -	\$ -	\$ 29
50	Distribution			120206	LEX-Field Services	\$ 15,630	\$ (2,826)	\$ -	\$ 135	\$ 3	\$ -	\$ -	\$ 29
51	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 138	\$ 3	\$ -	\$ -	\$ 29
52	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 138	\$ 3	\$ -	\$ -	\$ 29
53	Distribution			120201	LEX-Production	\$ 17,715	\$ (3,190)	\$ -	\$ 144	\$ 3	\$ -	\$ -	\$ 29
54	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
55	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
56	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
57	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
58	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
59	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
60	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
61	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
62	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
63	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
64	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
65	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 142	\$ 3	\$ -	\$ -	\$ 29
66	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)	\$ -	\$ 404	\$ 48	\$ 321	\$ -	\$ 29
67	Distribution			120206	LEX-Field Services	\$ 15,974	\$ (2,713)	\$ -	\$ 186	\$ 22	\$ 148	\$ -	\$ 29
68	Distribution			120206	LEX-Field Services	\$ 6,938	\$ (1,168)	\$ -	\$ 191	\$ 23	\$ 152	\$ -	\$ 29
69	Distribution			120206	LEX-Field Services	\$ 15,091	\$ (2,557)	\$ -	\$ 209	\$ 25	\$ 166	\$ -	\$ 29
70	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)	\$ -	\$ 232	\$ 28	\$ 184	\$ -	\$ 29
71	Distribution			120206	LEX-Field Services	\$ 15,283	\$ (2,587)	\$ -	\$ 291	\$ 35	\$ 231	\$ -	\$ 29
72	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)	\$ -	\$ 279	\$ 33	\$ 222	\$ -	\$ 29
73	Distribution			120206	LEX-Field Services	\$ 19,456	\$ (3,291)	\$ -	\$ 257	\$ 31	\$ 204	\$ -	\$ 29
74	Distribution			120206	LEX-Field Services	\$ -	\$ -	\$ -	\$ 216	\$ 26	\$ 172	\$ -	\$ 29
75	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 128	\$ 3	\$ -	\$ -	\$ 29
76	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
77	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ -	\$ 128	\$ 3	\$ -	\$ -	\$ 29
78	Distribution			120206	LEX-Field Services	\$ 15,630	\$ (2,826)	\$ -	\$ 128	\$ 3	\$ -	\$ -	\$ 29
79	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
80	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
81	Distribution			120206	LEX-Field Services	\$ 15,630	\$ (2,826)	\$ -	\$ 128	\$ 3	\$ -	\$ -	\$ 29
82	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
83	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
84	Distribution			120206	LEX-Field Services	\$ 7,296	\$ (1,369)	\$ -	\$ 128	\$ 3	\$ -	\$ -	\$ 29
85	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
86	Distribution			120206	LEX-Field Services	\$ 17,715	\$ (3,190)	\$ 500	\$ 128	\$ 3	\$ -	\$ -	\$ 29
87	Production			120217	LEX-Water Quality	\$ 6,938	\$ (1,168)	\$ -	\$ 174	\$ 21	\$ 138	\$ -	\$ 29
88	Production			120217	LEX-Water Quality	\$ 6,938	\$ (1,168)	\$ -	\$ 212	\$ 25	\$ 168	\$ -	\$ 29
89	Production			120217	LEX-Water Quality	\$ 19,456	\$ (3,291)	\$ -	\$ 189	\$ 22	\$ 150	\$ -	\$ 29
90	Production			120217	LEX-Water Quality	\$ 15,283	\$ (2,587)	\$ -	\$ 270	\$ 32	\$ 214	\$ -	\$ 29
91	Production			120201	LEX-Production	\$ 17,715	\$ (3,190)	\$ -	\$ 155	\$ 18	\$ 123	\$ -	\$ 29
92	Production			120201	LEX-Production	\$ 17,715	\$ (3,190)	\$ -	\$ 144	\$ 3	\$ -	\$ -	\$ 29
93	Production			120201	LEX-Production	\$ 17,715	\$ (3,190)	\$ 500	\$ 144	\$ 3	\$ -	\$ -	\$ 29
94	Production			120201	LEX-Production	\$ 17,715	\$ (3,190)	\$ -	\$ 144	\$ 3	\$ -	\$ -	\$ 29
95	Production			120201	LEX-Production	\$ 15,630	\$ (2,826)	\$ -	\$ 144	\$ 3	\$ -	\$ -	\$ 29

Kentucky American Water
 Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Water %	O&M %	Water O&M Labor	O & M 401(k)	Water O & M DCP	Water O & M Payroll Taxes	Water O & M Group Insurance	Water Incentive Compensation	1	2A	2B	4	5	3
1	A&G			120118	CORP-Human	100.0%	100.0%	\$ 57,805.22	\$ 1,856.55	\$ 3,034.77	\$ 5,032.31	\$ 12,919.13	\$ 5,780.52						
2	A&G			120105	CORP-Admin & Gen	100.0%	90.0%	\$ 142,962.83	\$ 3,574.07	\$ -	\$ 8,598.19	\$ 15,382.63	\$ 47,654.28						
3	A&G			120105	CORP-Admin & Gen	100.0%	95.0%	\$ 172,890.60	\$ 4,322.26	\$ -	\$ 9,709.11	\$ 16,301.94	\$ 109,194.06						
4	A&G			120105	CORP-Admin & Gen	100.0%	100.0%	\$ 64,928.50	\$ 1,623.21	\$ -	\$ 5,135.03	\$ 13,125.22	\$ -						
5	A&G			120119	CORP-Loss Control	100.0%	50.0%	\$ 36,844.88	\$ -	\$ 1,934.36	\$ 3,184.50	\$ 3,126.48	\$ 7,368.98						
6	A&G			120119	CORP-Loss Control	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
7	A&G			120121	CORP-Communications	100.0%	100.0%	\$ 104,518.20	\$ 2,612.96	\$ -	\$ 8,532.44	\$ 16,838.92	\$ 15,677.73						
8	A&G			120121	CORP-Communications	100.0%	100.0%	\$ 46,913.37	\$ 469.13	\$ 2,444.79	\$ 3,756.87	\$ 16,481.38	\$ -						
9	A&G			120105	CORP-Admin & Gen	100.0%	75.0%	\$ 39,165.00	\$ 1,566.60	\$ 2,056.16	\$ 3,122.12	\$ 4,590.37	\$ -						
10	A&G			120121	CORP-Communications	100.0%	100.0%	\$ 62,664.87	\$ 2,631.92	\$ 3,289.91	\$ 5,201.55	\$ 16,580.70	\$ 3,133.24						
11	A&G			120114	CORP-Engineering	99.4%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
12	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
13	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
14	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
15	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
16	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
17	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
18	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
19	A&G			120114	CORP-Engineering	99.4%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
20	A&G			120114	CORP-Engineering	100.0%	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
21	Distribution		12/31/2013	120206	LEX-Field Services	100.0%	90.0%	\$ 19,059.00	\$ -	\$ 933.26	\$ 1,609.21	\$ 5,474.99	\$ -						
22	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 45,969.89	\$ 1,073.42	\$ -	\$ 3,667.89	\$ 13,216.10	\$ -						
23	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 48,469.57	\$ -	\$ -	\$ 3,859.12	\$ 13,222.38	\$ -						
24	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 45,969.89	\$ -	\$ -	\$ 3,667.89	\$ 5,477.90	\$ -						
25	Distribution		8/30/2013	120206	LEX-Field Services	100.0%	93.3%	\$ 3,881.31	\$ -	\$ 193.44	\$ 374.55	\$ 1,119.05	\$ -						
26	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 50,781.76	\$ 1,185.46	\$ -	\$ 4,036.01	\$ 13,228.15	\$ -						
27	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 45,969.89	\$ -	\$ 2,254.18	\$ 3,667.89	\$ 13,216.10	\$ -						
28	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 45,969.89	\$ -	\$ -	\$ 1,609.21	\$ 4,829.84	\$ -						
29	Distribution			120206	LEX-Field Services	100.0%	90.0%	\$ 19,059.00	\$ 519.03	\$ 933.26	\$ 1,609.21	\$ 4,829.84	\$ -						
30	Distribution			120206	LEX-Field Services	100.0%	98.0%	\$ 56,585.88	\$ 1,312.19	\$ -	\$ 4,493.46	\$ 14,406.28	\$ -						
31	Distribution			120206	LEX-Field Services	100.0%	100.0%	\$ 50,065.81	\$ 1,501.97	\$ 2,304.96	\$ 4,032.42	\$ 16,464.95	\$ -						
32	Distribution			120206	LEX-Field Services	100.0%	100.0%	\$ 50,515.30	\$ 2,020.61	\$ 2,439.54	\$ 4,032.42	\$ 3,998.03	\$ -						
33	Distribution			120206	LEX-Field Services	100.0%	80.0%	\$ 32,638.44	\$ 979.15	\$ 1,560.03	\$ 2,631.24	\$ 13,138.59	\$ -						
34	Distribution			120206	LEX-Field Services	100.0%	100.0%	\$ 1,641.90	\$ 1,641.90	\$ 2,242.24	\$ 3,756.71	\$ 16,457.58	\$ -						
35	Distribution			120206	LEX-Field Services	100.0%	89.2%	\$ 36,004.77	\$ 1,051.25	\$ 1,738.78	\$ 2,904.17	\$ 14,644.06	\$ -						
36	Distribution			120206	LEX-Field Services	100.0%	100.0%	\$ 40,282.35	\$ -	\$ 1,945.36	\$ 3,249.60	\$ 6,026.93	\$ -						
37	Distribution			120206	LEX-Field Services	100.0%	100.0%	\$ 47,251.53	\$ -	\$ -	\$ 3,782.74	\$ 16,462.24	\$ -						
38	Distribution			120206	LEX-Field Services	100.0%	50.0%	\$ 21,734.10	\$ 869.36	\$ 1,049.61	\$ 1,746.66	\$ 6,485.67	\$ -						
39	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 855.13	\$ 2,244.71	\$ 3,963.10	\$ 12,912.80	\$ -						
40	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ -	\$ 2,447.71	\$ 3,963.10	\$ 12,487.80	\$ -						
41	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 1,710.25	\$ 2,447.71	\$ 3,963.10	\$ 5,604.50	\$ -						
42	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 1,710.25	\$ 2,447.71	\$ 3,963.10	\$ 5,179.50	\$ -						
43	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 1,710.25	\$ 2,447.71	\$ 3,963.10	\$ 12,912.80	\$ -						
44	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 1,282.69	\$ 2,447.71	\$ 3,963.10	\$ 5,604.50	\$ -						
45	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ -	\$ -	\$ 3,963.10	\$ 12,487.80	\$ -						
46	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ 1,710.25	\$ 2,447.71	\$ 3,963.10	\$ 12,912.80	\$ -						
47	Distribution			120206	LEX-Field Services	100.0%	85.0%	\$ 49,938.55	\$ -	\$ 2,447.71	\$ 3,963.10	\$ 12,912.80	\$ -						

Kentucky American Water
 Calculation of Forecasted Labor & Labor Related Expenses
 Including Salaries & Wages, Group Insurance, 401k, DCP, & Payroll Tax
 Exhibits\Expense[Labor and Labor Related.xlsx]KY Forecast Labor

W/P - 3-1
 W/P - 3-1a
 W/P - 3-1b
 W/P - 5-3

CONFIDENTIAL

Line No.	Schedule G Dept	Position Begin Date	Position End Date	Bus Unit	Business Unit Name	Water %	O&M %	Water O&M Labor	Net Water O&M Labor-Related Expense (Excluding Pension & OPEB):					Water Incentive Compensation
									O & M 401(k)	O & M DCP	O & M Payroll Taxes	O & M Group Insurance	Water Compensation	
97	Production	120201	120201	LEX-Production	100.0%	57.5%	\$ 42,991.76	\$ 1,561.41	\$ 2,049.35	\$ 3,385.47	\$ 9,552.43	\$ -		
98	Production	120201	120201	LEX-Production	99.6%	100.0%	\$ 58,395.61	\$ 2,335.82	\$ 3,065.77	\$ 4,634.62	\$ 6,136.42	\$ -		
99	Production	120201	120201	LEX-Production	99.6%	100.0%	\$ 59,114.09	\$ 2,364.56	\$ 3,103.49	\$ 4,689.59	\$ 16,496.84	\$ -		
100	Production	120201	120201	LEX-Production	99.1%	98.0%	\$ 76,454.63	\$ 1,911.37	\$ -	\$ 6,596.81	\$ 6,102.61	\$ 7,801.49		
101	Production	120201	120201	LEX-Production	99.1%	98.0%	\$ 68,532.80	\$ 3,015.44	\$ 3,597.97	\$ 5,930.19	\$ 6,053.74	\$ 6,993.14		
102	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 62,615.48	\$ -	\$ 2,938.16	\$ 4,958.08	\$ 6,108.75	\$ -		
103	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 64,370.55	\$ 1,104.37	\$ -	\$ 5,092.34	\$ 6,106.75	\$ -		
104	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 61,782.03	\$ -	\$ -	\$ 4,894.33	\$ 14,700.29	\$ -		
105	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 61,376.78	\$ 1,104.37	\$ -	\$ 4,863.32	\$ 14,704.75	\$ -		
106	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 61,376.78	\$ 1,380.46	\$ -	\$ 4,863.32	\$ 14,704.75	\$ -		
107	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 61,702.51	\$ -	\$ -	\$ 4,888.25	\$ 14,705.42	\$ -		
108	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 65,649.74	\$ 1,634.04	\$ 2,938.16	\$ 5,190.20	\$ 6,608.75	\$ -		
109	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 61,782.03	\$ 1,563.78	\$ 2,811.83	\$ 4,894.33	\$ 14,700.29	\$ -		
110	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 58,878.25	\$ -	\$ -	\$ 4,672.18	\$ 14,700.29	\$ -		
111	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 60,596.23	\$ -	\$ 2,729.07	\$ 4,803.62	\$ 14,696.05	\$ -		
112	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 64,709.82	\$ 1,619.56	\$ 2,912.12	\$ 5,118.30	\$ 12,984.08	\$ -		
113	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 56,078.52	\$ 2,039.41	\$ 2,676.73	\$ 4,458.01	\$ 6,595.37	\$ -		
114	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 58,061.79	\$ 2,104.97	\$ 2,762.78	\$ 4,609.73	\$ 6,599.77	\$ -		
115	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 56,925.12	\$ -	\$ -	\$ 4,522.77	\$ 829.14	\$ -		
116	Production	120201	120201	LEX-Production	100.0%	100.0%	\$ 58,018.58	\$ -	\$ -	\$ 4,606.42	\$ 14,691.53	\$ -		
117	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 55,743.62	\$ -	\$ 2,688.74	\$ 4,432.38	\$ 13,040.61	\$ -		
118	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 52,961.31	\$ -	\$ 2,687.49	\$ 4,219.54	\$ 16,509.90	\$ -		
119	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 50,481.62	\$ 2,419.26	\$ 3,069.10	\$ 4,794.84	\$ 16,554.75	\$ -		
120	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 55,559.48	\$ 1,074.03	\$ -	\$ 4,418.30	\$ 13,621.56	\$ -		
121	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 54,682.94	\$ -	\$ 2,774.85	\$ 4,351.24	\$ 13,050.73	\$ -		
122	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 51,851.02	\$ 1,252.93	\$ -	\$ 4,134.60	\$ 16,503.28	\$ -		
123	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 69,855.49	\$ -	\$ 3,667.41	\$ 6,046.34	\$ 13,155.62	\$ 6,985.55		
124	Production	120252	120252	LEX-Pool III WTP	98.8%	100.0%	\$ 51,979.59	\$ 2,079.18	\$ 2,704.58	\$ 4,142.44	\$ 346.29	\$ -		
125	Production	123201	123201	OWN-Production	89.1%	99.0%	\$ 49,624.70	\$ 1,984.99	\$ 2,494.01	\$ 3,944.51	\$ 14,463.55	\$ -		
126	Production	123201	12/31/2013	OWN-Production	99.8%	100.0%	\$ 20,773.85	\$ 480.49	\$ 1,000.47	\$ 1,756.94	\$ 2,488.33	\$ -		
127	Production	123201	12/31/2013	OWN-Production	99.8%	100.0%	\$ 20,323.50	\$ -	\$ -	\$ 1,722.49	\$ 2,488.33	\$ -		
128	Production	123201	12/31/2013	OWN-Production	99.8%	100.0%	\$ 20,688.85	\$ 484.98	\$ -	\$ 1,750.44	\$ 6,811.60	\$ -		
129	Production	123201	12/31/2013	OWN-Production	99.8%	100.0%	\$ 20,386.63	\$ -	\$ 1,003.58	\$ 1,727.32	\$ 5,367.87	\$ -		
130	Distribution	123205	12/31/2013	OWN-Admin & Gen	80.6%	100.0%	\$ 85,074.83	\$ 2,856.57	\$ 4,466.43	\$ 6,892.76	\$ 10,653.42	\$ 12,761.23		
131	Distribution	123205	12/31/2013	OWN-Admin & Gen	99.7%	100.0%	\$ 39,067.97	\$ 926.64	\$ -	\$ 3,156.22	\$ 6,371.16	\$ -		
132	Distribution	123205	12/31/2013	OWN-Admin & Gen	99.7%	100.0%	\$ 39,951.57	\$ 947.60	\$ -	\$ 3,223.82	\$ 16,381.65	\$ -		
133	Distribution	123206	12/31/2013	OWN-Field Services	99.0%	100.0%	\$ 49,193.80	\$ -	\$ 2,257.46	\$ 3,929.59	\$ 6,502.31	\$ -		
134	Distribution	123206	12/31/2013	OWN-Field Services	99.0%	100.0%	\$ 49,193.80	\$ -	\$ 2,257.46	\$ 3,929.59	\$ 16,292.19	\$ -		
135	Distribution	123206	12/31/2013	OWN-Field Services	99.0%	100.0%	\$ 51,796.16	\$ -	\$ -	\$ 4,128.67	\$ 16,306.22	\$ -		
136	Distribution	123206	12/31/2013	OWN-Field Services	99.0%	100.0%	\$ 53,180.96	\$ 1,162.11	\$ -	\$ 4,234.60	\$ 12,880.06	\$ -		
137	Production	123301	#####	OWNWW-Production	20.9%	100.0%	\$ 10,844.31	\$ -	\$ -	\$ 864.67	\$ 3,441.82	\$ -		
138	Production	120252	120252	LEX-Pool III WTP	100.0%	100.0%	\$ 34,111.51	\$ 995.97	\$ 1,732.12	\$ 2,777.53	\$ 7,382.74	\$ -		
139	Distribution	120206	120206	LEX-Field Services	94.3%	100.0%	\$ 68,048.37	\$ 1,986.84	\$ -	\$ 5,364.09	\$ 12,080.72	\$ -		
Sum					138	118	6,948,261	139,662	170,708	552,431	1,430,524	349,221		

1 2A 2B 4 5 3

Kentucky American Water
Forecast Year Worksheet for Other Post-Employment Benefits (OPEB's)
 Exhibits\Expense\[Labor and Labor Related.xlsx]KY OPEB Wksht
 W/P - 3-1a

	2013	2014	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14
Company Gross OPEB	\$ 33,300,000	\$ 30,700,000												
Kentucky Allocation %	2.61%	2.61%	\$ 72,428	\$ 72,428	\$ 72,428	\$ 72,428	\$ 72,428	\$ 66,773	\$ 66,773	\$ 66,773	\$ 66,773	\$ 66,773	\$ 66,773	\$ 66,773
(Based on 2012 Allocation)														

Forecast Year Gross Sum	\$ 829,545
Forecast Year Water O&M Rate	83.40%
Forecast O&M OPEB	\$ 691,849

W/P - 1-8
Exhibits\Taxes\[KY Deferred Taxes 2012-2014.xlsx]Schedule

Kentucky American Water Company
Case No. 2012-00520
Pro Forma Adjustment of Deferred Income Taxes
For the 13 Month Average July 31, 2013 - July 31, 2014

Witness Responsible: _____
Type of Filing: Original _____ Updated _____ Revised _____

Line No.	Description	Base Year at 3/31/2013	Adjustments	Reference	Forecast Year at 7/31/2014
1	Deferred Taxes on UPIS	\$53,409,622			
2	Deferred Taxes on Deferred Debits	616,164		W/P - 1-11	
3	Deferred Taxes on Deferred Maintenance	1,255,149		W/P - 1-10	
4	Base Year for the 12 Months Ended 3/31/2013	<u>\$ 55,280,935</u>			\$ 55,280,935
5					
7					
8	Adjustments:				
9	Adjustment due to change in account balance - UPIS		3,251,470		
10	Adjustment due to change in account balance - Deferred Debits		(645,770)	W/P - 1-11	
11	Adjustment due to change in account balance - Deferred Maintenance		(782,695)	W/P - 1-10	
12	Total Adjustments:		<u>\$ 1,823,006</u>		<u>1,823,006</u>
13					
14					
15	Forecasted Year at Present Rates				<u>\$ 57,103,941</u>
16					
17					
18					
19					
20					
21					
22					

W/P - 1-8
Exhibits\Taxes\[KY Deferred Taxes 2012-2014.xlsx]Deferred Taxes UPIIS

Kentucky-American Water Company
Deferred Taxes and Regulatory Assets/Liabilities
Related to UPIIS Investment
Case No. 2012-00520

Change in Balances

Month	Book Basis	Tax Basis Federal	Net Change vs Book Federal	Tax Basis State	Net Change vs Book State	Resulting SII Deferred Expense	Resulting FIT Deferred Expense	Accumulated Deferred SII	Accumulated Deferred FIT	Total Accumulated Deferred Taxes	Regulatory Assets / Liability
Balance 09/12								\$7,309,097	\$48,124,320		(4,319,010)
Oct-12	\$551,655	(\$397,458)	\$949,112	(\$488,070)	\$1,039,725	\$62,383	\$310,355	7,371,480	48,434,675	55,433,418	(4,319,010)
Nov-12	999,414	(164,559)	1,163,974	(268,584)	\$1,267,998	\$76,080	380,763	7,447,560	48,815,438	55,806,156	(4,303,666)
Dec-12	2,624,298	371,703	2,252,595	\$226,068	\$2,398,230	\$143,894	738,045	7,447,560	48,815,438	56,262,999	(4,291,276)
Jan-13	303,093	(76,791)	379,884	(231,449)	\$534,541	\$32,072	121,734	7,591,454	49,553,483	57,144,938	(4,292,871)
Feb-13	314,599	(406,615)	721,214	(\$561,176)	\$875,775	\$52,547	234,033	7,623,526	49,675,217	57,298,744	(4,293,156)
Mar-13	673,670	279,844	279,844	239,264	\$434,406	\$26,064	88,823	7,676,073	49,909,250	57,585,324	(4,291,574)
Apr-13	4,031,486	3,512,087	519,400	\$3,357,525	\$673,961	\$40,438	167,637	7,702,137	49,998,073	57,700,211	(4,290,589)
May-13	7,159,858	6,156,168	1,003,690	6,001,657	\$1,158,201	\$69,492	326,969	7,812,067	50,492,679	58,304,747	(4,266,924)
Jun-13	959,135	303,196	655,939	\$148,834	\$810,301	\$48,618	212,562	7,860,685	50,705,241	58,565,927	(4,250,306)
Jul-13	589,469	570	588,899	(153,670)	\$743,139	\$44,588	190,509	7,905,273	50,895,750	58,801,024	(4,236,951)
Aug-13	477,781	(206,392)	684,173	(437,671)	\$915,452	\$54,927	220,236	7,960,200	51,115,986	59,076,187	(4,230,811)
Sep-13	637,028	(43,444)	680,472	(275,196)	\$912,223	\$54,733	219,009	8,014,933	51,334,995	59,349,929	(4,227,178)
Oct-13	274,773	(461,368)	736,140	(693,737)	\$968,509	\$58,111	237,310	8,073,044	51,572,305	59,645,350	(4,226,603)
Nov-13	208,833	(533,066)	741,899	(766,447)	\$975,281	\$58,517	239,184	8,131,561	51,811,489	59,943,051	(4,227,531)
Dec-13	13,723,606	12,165,088	1,558,518	11,930,237	\$1,793,369	\$107,602	507,821	8,239,163	52,319,310	60,558,474	(4,192,835)
Jan-14	(81,159)	(810,684)	729,525	(1,037,237)	\$956,077	\$57,365	235,256	8,296,528	52,554,566	60,851,095	(4,155,955)
Feb-14	309,279	(509,811)	819,090	(736,363)	\$1,045,642	\$62,739	264,723	8,359,267	52,819,289	61,178,557	(4,118,775)
Mar-14	7,674	(695,086)	702,760	(921,638)	\$929,312	\$55,759	226,450	8,415,026	53,045,739	61,460,766	(4,082,765)
Apr-14	59,136	(807,464)	866,601	(1,034,017)	\$1,093,153	\$65,589	280,354	8,480,615	53,326,093	61,806,709	(4,048,037)
May-14	471,187	(478,990)	950,177	(705,495)	\$1,176,682	\$70,601	307,852	8,551,216	53,633,945	62,185,162	(4,014,600)
Jun-14	421,778	(478,523)	900,301	(704,909)	\$1,126,687	\$67,601	291,445	8,618,817	53,925,390	62,544,208	(3,984,208)
Jul-14	826,529	(61,311)	887,839	(287,532)	\$1,114,061	\$66,844	287,348	8,685,661	54,212,738	62,898,400	(3,958,466)
Aug-14	220,748	(650,251)	870,999	(876,295)	\$1,097,043	\$65,823	281,812	8,751,484	54,494,550	63,246,035	(3,938,052)
Sep-14	1,092,235	221,444	870,790	(4,143)	\$1,096,378	\$65,783	281,753	8,817,267	54,776,303	63,593,571	(3,920,673)
Oct-14	1,618,607	663,552	955,055	438,201	\$1,180,405	\$70,824	309,481	8,888,091	55,085,784	63,973,876	(3,904,100)
Nov-14	3,874,302	2,905,203	969,099	2,680,042	\$1,194,260	\$71,656	314,105	8,959,747	55,399,889	64,359,637	(3,879,715)
Dec-14	2,866,559	1,253,342	1,613,217	1,028,277	\$1,838,282	\$110,297	526,022	9,070,044	55,925,911	64,995,956	(3,849,444)

Forecasted Deferred Tax Expense UPIIS

\$780,388

Total Def Taxes

Balance Deferred Income Taxes - End of Base Period	\$7,702,137	\$49,998,073	\$57,700,211	(\$4,290,589)	\$53,409,622
Balance Deferred Income Taxes - End of Forecasted Period	\$8,685,661	\$54,212,738	\$62,898,400	(\$3,958,466)	\$58,939,933
Average Balance Deferred Income Taxes - Forecasted Period	\$8,287,024	\$52,505,200	\$60,792,224	(\$4,131,132)	\$56,661,092

Kentucky-American Water Company		Inverted Data for Calculation of Tax Basis Property										Exhibits\Taxes\KY Deferred Taxes 2012-2014.xlsx\Book Basis		W/P - 1-8
Month	Bk Basis	Retirements	Net	Bk Depr	Retirements	Bk Reserve	NT Customer Advances	NT CIAC	Amort CIAC	Net				
Oct-12	1,609,136	232,092	1,377,044	(889,766)	232,092	(657,673)	(135,000)	(150,080)	125,641	(24,439)				
Nov-12	1,939,260	232,092	1,707,168	(893,663)	232,092	(661,571)	(16,696)	(150,080)	125,917	(24,163)				
Dec-12	3,511,267	232,092	3,279,175	(896,743)	232,092	(664,650)	25,000	(150,080)	126,193	(23,887)				
Jan-13	1,264,968	232,092	1,032,876	(902,824)	232,092	(670,732)	(85,000)	(107,870)	126,468	18,598				
Feb-13	2,613,525	232,092	2,381,433	(904,696)	232,092	(676,604)	(110,000)	(1,416,380)	126,666	(1,289,714)				
Mar-13	1,589,311	232,092	1,357,219	(908,120)	232,092	(676,028)	(35,000)	(107,870)	129,268	21,398				
Apr-13	4,988,843	232,092	4,756,751	(915,061)	232,092	(682,969)	(23,000)	(150,080)	129,466	(20,614)				
May-13	8,139,209	232,092	7,907,117	(922,850)	232,092	(690,758)	(30,000)	(145,390)	129,741	(15,649)				
Jun-13	2,087,418	232,092	1,855,326	(1,033,970)	232,092	(801,878)	(60,000)	(154,770)	130,008	(24,762)				
Jul-13	1,677,835	232,092	1,445,743	(1,040,120)	232,092	(808,028)	(55,000)	(117,250)	130,292	13,042				
Aug-13	1,473,567	232,092	1,241,475	(946,519)	232,092	(714,427)	(40,000)	(140,700)	130,508	(10,192)				
Sep-13	1,647,321	232,092	1,415,228	(948,792)	232,092	(716,700)	(55,000)	(140,700)	130,766	(9,934)				
Oct-13	1,280,234	232,092	1,048,142	(952,277)	232,092	(720,184)	(50,000)	(140,700)	131,025	(9,675)				
Nov-13	1,327,303	232,092	1,095,211	(953,867)	232,092	(721,775)	(60,000)	(243,880)	131,283	(112,597)				
Dec-13	14,729,191	232,092	14,497,099	(955,506)	232,092	(723,413)	(51,000)	(103,180)	131,731	28,551				
Jan-14	983,041	232,092	750,949	(973,437)	232,092	(741,345)	(85,000)	(107,870)	131,920	24,050				
Feb-14	1,314,549	232,092	1,082,456	(974,094)	232,092	(742,002)	(30,000)	(103,180)	132,118	28,938				
Mar-14	1,003,916	232,092	771,824	(976,736)	232,092	(744,644)	(15,000)	(107,870)	132,308	24,438				
Apr-14	1,113,975	3,571,113	(2,457,138)	(979,602)	3,571,113	2,591,510	(30,000)	(150,080)	132,506	(17,574)				
May-14	1,515,194	232,092	1,283,102	(975,028)	232,092	(742,935)	(30,000)	(145,390)	132,782	(12,608)				
Jun-14	1,469,171	232,092	1,237,079	(977,345)	232,092	(745,253)	(25,000)	(154,770)	133,049	(21,721)				
Jul-14	1,863,542	232,092	1,631,450	(979,421)	232,092	(747,328)	(55,000)	(117,250)	133,333	16,083				
Aug-14	1,263,775	232,092	1,031,683	(982,527)	232,092	(750,434)	(40,000)	(140,700)	133,548	(7,152)				

W/P - 1-8
Exhibits Taxes (R) Deferred Taxes 2012-2014, not Tax Basis State

Kentucky-American Water Company
Tax Basis
Case No. 2012-00520

Account	Utility Plant		Accumulated Reserve	Equity		Regulatory Assets			Customer			Regulatory Liabilities			Total
	In Service	185045		185030/05/1055	Plant Flow Through	185045	Other	Advances	CIAC	ITC	Deferred Taxes	Excess	Gross-up	ITC	
10/12	481,200,000	23,114	(75,184)	23,114	0	0	0	0	0	0	0	0	0	257,308,449	
Net Change	481,200,000	23,114	(75,184)	23,114	0	0	0	0	0	0	0	0	0	(488,070)	
Oct-12	482,120,021	(215,209)	(603)	0	0	0	0	0	0	0	0	0	0	266,910,379	
Nov-12	482,659,101	(216,017)	(306)	0	0	0	0	0	0	0	0	0	0	(268,584)	
Dec-12	483,774,349	(216,906)	(487)	0	0	0	0	0	0	0	0	0	0	266,867,863	
Jan-13	484,036,895	(853,804)	0	0	0	0	0	0	0	0	0	0	0	(231,449)	
Feb-13	484,696,517	(853,804)	0	0	0	0	0	0	0	0	0	0	0	266,814,714	
Mar-13	485,789,646	(859,846)	0	0	0	0	0	0	0	0	0	0	0	(65,876)	
Apr-13	490,017,122	(230,345)	(950)	0	0	0	0	0	0	0	0	0	0	266,075,238	
May-13	497,163,262	(221,469)	(578)	0	0	0	0	0	0	0	0	0	0	239,264	
Jun-13	498,446,657	(221,643)	(151)	0	0	0	0	0	0	0	0	0	0	266,314,501	
Jul-13	499,486,077	(223,817)	(229)	0	0	0	0	0	0	0	0	0	0	3,357,525	
Aug-13	500,311,259	(225,080)	(883)	0	0	0	0	0	0	0	0	0	0	269,672,027	
Sep-13	501,314,398	(226,358)	(477)	0	0	0	0	0	0	0	0	0	0	6,001,657	
Oct-13	501,916,423	(227,658)	(229)	0	0	0	0	0	0	0	0	0	0	275,678,884	
Nov-13	502,478,113	(228,962)	(316)	0	0	0	0	0	0	0	0	0	0	275,822,518	
Dec-13	516,024,626	(230,598)	(591)	0	0	0	0	0	0	0	0	0	0	(153,670)	
Jan-14	516,430,962	(232,042)	(664)	0	0	0	0	0	0	0	0	0	0	275,668,848	
Feb-14	517,140,959	(233,486)	(851)	0	0	0	0	0	0	0	0	0	0	(437,671)	
Mar-14	517,675,709	(234,944)	(912)	0	0	0	0	0	0	0	0	0	0	275,233,117	
Apr-14	514,760,516	(233,063)	(737)	0	0	0	0	0	0	0	0	0	0	(275,196)	
May-14	515,163,300	(234,525)	(926)	0	0	0	0	0	0	0	0	0	0	274,955,981	
Jun-14	516,465,349	(235,981)	(951)	0	0	0	0	0	0	0	0	0	0	(766,447)	
Jul-14	517,469,508	(237,470)	(665)	0	0	0	0	0	0	0	0	0	0	273,495,797	
Aug-14	518,076,496	(238,953)	(948)	0	0	0	0	0	0	0	0	0	0	11,950,237	
Sep-14	519,563,011	(240,444)	(606)	0	0	0	0	0	0	0	0	0	0	285,426,035	
Oct-14	519,931,966	(241,939)	(994)	0	0	0	0	0	0	0	0	0	0	(1,037,237)	
Nov-14	520,424,525	(243,435)	(1,554)	0	0	0	0	0	0	0	0	0	0	284,388,798	
Dec-14	525,746,732	(245,510)	(983)	0	0	0	0	0	0	0	0	0	0	283,652,843	
Net Change	2,638,366	(1,610)	(990)	0	0	0	0	0	0	0	0	0	0	282,730,796	
Net Change	528,385,098	(245,120)	(173)	0	0	0	0	0	0	0	0	0	0	(706,909)	

Kentucky-American Water Company
Invested Data for Calculation of Tax Basis Property

Month	Tx Basis	Retirements	Net Tx Basis	Tx Basis	Retirements	Net Reserve
Oct-12	525,206	232,092	293,114	(1,033,276)	232,092	(781,184)
Nov-12	711,172	232,092	539,080	(1,039,756)	232,092	(807,663)
Dec-12	1,247,541	232,092	1,115,448	(1,122,273)	232,092	(883,180)
Jan-13	1,292,616	232,092	1,160,524	(1,128,755)	232,092	(902,669)
Feb-13	527,924	232,092	295,832	(1,089,300)	232,092	(857,008)
Mar-13	1,331,201	232,092	1,099,109	(1,091,638)	232,092	(859,846)
Apr-13	4,459,568	232,092	4,227,476	(1,102,042)	232,092	(869,950)
May-13	7,378,233	232,092	7,146,141	(1,376,576)	232,092	(1,144,483)
Jun-13	1,534,467	232,092	1,302,375	(1,385,633)	232,092	(1,153,541)
Jul-13	1,252,532	232,092	1,020,440	(1,406,202)	232,092	(1,179,110)
Aug-13	1,057,275	232,092	825,183	(1,494,940)	232,092	(1,248,384)
Sep-13	1,000,000	232,092	767,908	(1,499,992)	232,092	(1,267,084)
Oct-13	884,157	232,092	652,065	(1,527,963)	232,092	(1,295,831)
Nov-13	793,732	232,092	561,640	(1,560,179)	232,092	(1,328,087)
Dec-13	13,778,605	232,092	13,546,513	(1,848,368)	232,092	(1,616,276)
Jan-14	638,428	232,092	406,336	(1,675,575)	232,092	(1,443,572)
Feb-14	94,209	232,092	709,997	(1,678,453)	232,092	(1,446,361)
Mar-14	766,842	232,092	534,750	(1,688,480)	232,092	(1,456,388)
Apr-14	655,920	3,571,113	(2,915,193)	(1,689,997)	3,571,113	1,881,176
May-14	894,526	3,571,113	(2,676,587)	(1,696,948)	3,571,113	1,875,165
Jun-14	1,424,856	232,092	1,192,764	(1,712,388)	232,092	(1,480,296)
Jul-14	839,080	232,092	606,988	(1,715,375)	232,092	(1,483,283)
Aug-14	1,718,607	232,092	1,486,515	(1,722,750)	232,092	(1,490,658)
Sep-14	2,181,288	232,092	1,949,196	(1,743,086)	232,092	(1,510,994)
Oct-14	4,466,617	232,092	4,234,525	(1,786,576)	232,092	(1,554,484)
Nov-14	2,870,458	232,092	2,638,366	(1,842,182)	232,092	(1,610,090)
Dec-14	561,163,698	9,605,507	465,558,190	(40,297,222)	9,605,507	(30,691,714)

Kentucky-American Water Company		W/P - 1-8	
Equity Gross-up Detail			
Case No. 2012-00520			
		Exhibits\Taxes\[KY Deferred Taxes 2012-2014.xlsx]Equity Grossup	
<u>Month</u>	<u>Grossup</u>	<u>Amort</u>	<u>Net</u>
Oct-12	20,896	(11,190)	9,706
Nov-12	23,851	(11,190)	12,661
Dec-12	37,835	(11,190)	26,645
Jan-13	38,163	(11,190)	26,973
Feb-13	36,296	(11,190)	25,106
Mar-13	36,893	(11,190)	25,703
Apr-13	32,131	(11,190)	20,941
May-13	19,960	(11,190)	8,770
Jun-13	21,260	(11,190)	10,070
Jul-13	24,523	(11,190)	13,333
Aug-13	31,738	(11,190)	20,548
Sep-13	34,245	(11,190)	23,055
Oct-13	37,303	(11,190)	26,113
Nov-13	38,806	(11,190)	27,616
Dec-13	3,182	(11,190)	(8,008)
Jan-14	3,003	(11,190)	(8,187)
Feb-14	2,703	(11,190)	(8,487)
Mar-14	3,873	(11,190)	(7,317)
Apr-14	5,155	(11,190)	(6,035)
May-14	6,446	(11,190)	(4,744)
Jun-14	9,490	(11,190)	(1,700)
Jul-14	14,141	(11,190)	2,951
Aug-14	19,469	(11,190)	8,279
Sep-14	22,505	(11,190)	11,315
Oct-14	23,310	(11,190)	12,120
Nov-14	15,498	(11,190)	4,308
Dec-14	9,612	(11,190)	(1,578)

KENTUCKY-AMERICAN WATER COMPANY
TAX BASIS WATER PROPERTY - DEPRECIATION EXPENSE - FEDERAL
CASE NO. XXX
For the year 2012-2014

TWENTY-FIVE YEAR PROPERTY	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014	
WATER PROPERTY	0	300,131	668,763	1,160,982	672,281	277,117	1,325,614	4,453,980	777,414	1,327,113	725,377	802,653	991,374	596,582	435,368	13,259,654	587,895
N.D.B. (LINES 17-19 @100%)	0	300,131	668,763	1,160,982	672,281	277,117	1,325,614	4,453,980	777,414	1,327,113	725,377	802,653	991,374	596,582	435,368	13,259,654	587,895
ACCUMULATED	0	300,131	968,894	2,129,876	2,802,157	3,079,274	4,404,888	8,858,869	9,636,283	10,963,395	11,688,772	12,491,425	13,482,800	14,079,382	14,514,750	27,774,404	28,362,299
REGULAR DEPRECIATION	0	6,003	13,375	23,220	13,446	5,542	26,512	89,080	15,548	26,542	14,508	16,053	19,827	11,932	8,707	265,193	11,758
ACCUM DEPRECIATION	0	6,003	19,378	42,598	56,044	61,586	88,098	177,178	192,726	219,268	233,776	249,829	269,656	281,598	290,295	555,488	567,246

SEVEN YEAR PROPERTY	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
OFFICE FURN. & FIX.	0	65,533	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	65,533	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACCUMULATED	0	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533
DEPRECIATION	0	9,365	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	0	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365

FIVE YEAR PROPERTY	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
LIGHT TRUCKS	0	17,086	5,060	11,660	0	0	0	0	17,333	0	109,200	0	0	0	0	0
CARS	0	17,628	5,214	12,014	0	0	0	0	17,859	0	112,509	0	0	0	0	0
HEAVY TRUCKS	0	17,188	5,060	11,660	0	0	0	0	17,333	0	109,200	0	0	0	0	0
OFFICE EQUIPMENT	0	46,734	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPUTER EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	98,636	15,335	35,335	0	0	0	0	52,525	0	330,908	0	0	0	0	0
ACCUMULATED	0	98,636	113,971	149,305	149,305	149,305	149,305	149,305	201,830	532,738	532,738	532,738	532,738	690,313	690,313	690,313
DEPRECIATION	0	19,727	3,067	7,067	0	0	0	0	10,505	0	66,182	0	0	0	0	0
ACCUM DEPRECIATION	0	19,727	22,794	29,861	29,861	29,861	29,861	29,861	40,366	106,548	106,548	106,548	106,548	138,063	138,063	138,063

THREE YEAR PROPERTY	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
SOFTWARE	0	37,200	28,517	28,469	73,664	151,610	5,587	5,587	109,646	127,963	123,648	117,797	113,965	65,618	64,273	38,834
N.D.B. (LINES 17-19 @100%)	0	37,200	28,517	28,469	73,664	151,610	5,587	5,587	109,646	127,963	123,648	117,797	113,965	65,618	64,273	38,834
ACCUMULATED	0	37,200	65,716	94,185	167,849	319,459	325,047	330,634	6,950,966	7,078,930	7,202,577	7,320,374	7,434,339	7,499,957	7,564,229	7,603,063
DEPRECIATION	0	12,399	9,505	9,489	24,552	50,532	1,862	1,862	36,545	42,650	41,212	39,262	37,985	21,870	21,422	12,943
ACCUM DEPRECIATION	0	12,399	21,904	31,393	55,945	106,477	108,339	110,201	2,316,758	2,359,408	2,400,620	2,439,882	2,477,867	2,499,737	2,521,159	2,534,102

REAL PROPERTY	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
BUILDINGS	0	23,707	59,557	122,555	106,502	99,196	0	37,608	97,708	68,283	130,974	126,060	123,620	135,171	98,099	8,645
ACCUMULATED	0	23,707	82,264	204,819	311,321	410,518	410,518	448,126	545,834	614,117	745,091	871,151	994,771	1,129,942	1,228,041	1,238,444
DEPRECIATION	0	127	188	131	2,621	2,229	0	604	1,359	804	1,261	944	661	434	105	207
ACCUM DEPRECIATION	0	127	315	446	3,067	5,296	5,296	5,900	7,259	8,063	9,324	10,268	10,929	11,363	11,468	11,468

TOTAL ACCUM. DEPR. LESS: PROV. YEAR TO DATE	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
SUBTOTAL	0	47,621	73,756	113,663	154,282	212,585	240,959	331,901	2,593,016	2,717,160	2,775,686	2,835,719	2,886,297	2,948,823	3,235,543	3,260,704
REMAINING PERIODS	5	47,621	57,882	68,848	154,282	199,728	209,945	279,893	2,204,226	2,013,480	1,736,426	1,449,174	1,137,458	820,832	697,136	3,260,704
MONTHLY PROV.	0	15,874	28,941	68,848	12,857	18,157	31,014	52,008	388,790	703,680	1,039,260	1,386,545	1,748,839	2,127,991	2,538,407	3,260,704
ON CURRENT ADDITIONS	0	15,874	28,941	68,848	12,857	18,157	31,014	52,008	388,790	703,680	1,039,260	1,386,545	1,748,839	2,127,991	2,538,407	3,260,704

DEPRECIATION ON PROPERTY @ 2011 & Prior UPLIS Projected	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014
Current Year Regular Depreciation	0	15,874	28,941	68,848	12,857	18,157	31,014	52,008	388,790	703,680	1,039,260	1,386,545	1,748,839	2,127,991	2,538,407	3,260,704
Current Year Bonus Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Year 2 & 3 Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEPRECIATION	0	15,874	28,941	68,848	12,857	18,157	31,014	52,008	388,790	703,680	1,039,260	1,386,545	1,748,839	2,127,991	2,538,407	3,260,704
ACCUMULATED	0	15,874	44,815	113,663	126,520	144,677	165,671	196,771	817,343	1,152,923	1,500,208	1,862,502	2,241,654	2,652,070	3,349,206	3,620,910

KAWRPS0002 NUM 78 020213

W/P - 1-8
Exhibits\Taxes\KY Tax Depreciation 2012-2014.xlsx\Tax Depr FED

KENTUCKY-AMERICAN WATER COM
TAX BASIS WATER PROPERTY - DEPRECIATED
CASE NO. XXX
For the year 2012-2014

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
TWENTY-FIVE YEAR PROPERTY											
WATER PROPERTY	902,655	494,487	655,695	905,947	860,163	982,824	746,636	1,475,024	1,956,884	4,348,961	2,780,318
N.D.B. (LINE-8 @100%)	902,655	494,487	655,695	905,947	860,163	982,824	746,636	1,475,024	1,956,884	4,348,961	2,780,318
ACCUMULATED	29,264,954	29,759,441	30,415,137	31,321,084	32,181,247	33,164,071	33,910,707	35,385,731	37,322,615	41,671,577	44,451,894
REGULAR DEPRECIATION	18,053	9,890	13,114	18,119	17,203	19,656	14,933	29,900	38,738	86,979	55,606
ACCUM DEPRECIATION	585,299	595,189	608,303	626,422	643,625	663,291	678,214	707,714	746,452	833,431	889,037

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
SEVEN YEAR PROPERTY											
OFFICE FURN. & FIX.	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	0	0	0	0	0	0	0	0	0	0
ACCUMULATED	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533	65,533
DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365	9,365

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
FIVE YEAR PROPERTY											
LIGHT TRUCKS	0	0	0	15,253	18,027	115,440	0	0	36,746	0	0
CARS	0	0	0	15,715	18,573	118,938	0	0	37,860	0	0
HEAVY TRUCKS	0	0	0	15,253	18,027	115,440	0	0	36,746	0	0
OFFICE EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0
COMPUTER EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	0	0	46,222	54,626	349,817	0	0	111,353	0	0
ACCUMULATED	690,313	690,313	690,313	736,535	791,161	1,140,978	1,140,978	1,140,978	1,252,331	1,252,331	1,252,331
DEPRECIATION	0	0	0	9,244	10,925	69,963	0	0	22,271	0	0
ACCUM DEPRECIATION	138,063	138,063	138,063	147,307	158,232	228,195	228,195	228,195	250,466	250,466	250,466

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
THREE YEAR PROPERTY											
SOFTWARE	37,851	271,176	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	37,851	271,176	0	0	0	0	0	0	0	0	0
ACCUMULATED	7,640,913	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089	7,912,089
DEPRECIATION	12,616	90,383	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	2,546,718	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101	2,637,101

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
REAL PROPERTY											
BUILDINGS	0	0	0	35,717	77,737	92,215	92,444	243,583	133,050	117,656	90,141
ACCUMULATED	1,236,444	1,236,444	1,236,444	1,272,161	1,349,898	1,442,113	1,534,557	1,778,140	1,911,190	2,028,846	2,118,987
DEPRECIATION	0	0	0	573	1,081	1,085	890	1,824	712	378	96
ACCUM DEPRECIATION	11,675	11,675	11,675	12,248	13,329	14,414	15,304	17,128	17,840	18,218	18,314

TOTAL ACCUM. DEPR.	3,291,120	3,391,393	3,404,507	3,432,443	3,461,652	3,552,356	3,568,179	3,599,503	3,661,224	3,748,581	3,804,283
LESS: PROV. YEAR TO DATE	271,704	546,197	830,716	1,116,693	1,406,162	1,699,803	2,008,562	2,320,485	2,640,240	2,980,568	3,364,574
SUBTOTAL	3,019,416	2,845,196	2,573,791	2,315,750	2,055,490	1,852,553	1,559,617	1,279,018	1,020,984	768,013	439,709
REMAINING PERIODS	11	10	9	8	7	6	5	4	3	2	1
MONTHLY PROV.	274,492	284,520	285,977	289,469	293,641	308,759	311,923	319,754	340,328	384,007	439,709
ON CURRENT ADDITIONS											

	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014
DEPRECIATION ON PROPERTY @											
2011&Prior UPIS Projected	794,040	794,040	794,040	794,040	794,040	794,040	794,040	794,040	794,040	794,040	794,040
Current Year Regular Depreciation	274,492	284,520	285,977	289,469	293,641	308,759	311,923	319,754	340,328	384,007	439,709
Current Year Bonus Depreciation	0	0	0	0	0	0	0	0	0	0	0
Year 2 & 3 Depreciation	383,368	383,368	383,368	383,368	383,368	383,368	383,368	383,368	383,368	383,368	383,368
TOTAL DEPRECIATION	1,451,900	1,461,927	1,465,385	1,466,877	1,471,049	1,486,167	1,488,331	1,497,162	1,517,736	1,561,414	1,617,116
ACCUMULATED	19,967,167	21,429,095	22,892,479	24,359,356	25,830,405	27,316,572	28,805,903	30,303,065	31,820,801	33,382,215	34,999,331

Total Tax Basis Additions 55,800,835

Accum Depr on 2008-09 Additions
Numeric Month

3,895,403	4,179,922	4,465,899	4,755,368	5,049,009	5,357,768	5,669,691	5,989,446	6,329,774	6,713,780	7,153,489
2	3	4	5	6	7	8	9	10	11	12

KENTUCKY-AMERICAN WATER COMPANY
TAX BASIS WATER PROPERTY - DEPRECIATION EXPENSE - FEDERAL Years 2 & 3
CASE NO. XXX

W/P - 1-8
Exhibits\Taxes\[KY Tax Depreciation 2012-2014.xlsx]Yrs 2 and 3 FEC

	2012 UPIS Additions		2013 UPIS Additions	
	2013 2nd Year	2014 3rd Year	2014 2nd Year	2015 3rd Year
TWENTY YEAR PROPERTY				
WATER PROPERTY				
UPIS Additions	2,716,781	2,716,781	25,644,528	25,644,528
Depreciation Rate	4.000%	4.000%	4.000%	4.000%
Tax Dep Expense	108,671	108,671	1,025,781	1,025,781
SEVEN YEAR PROPERTY				
OFFICE FURN. & FIX.				
UPIS Additions	131,066	131,066	0	0
Depreciation Rate	24.490%	17.490%	24.490%	17.490%
Tax Dep Expense	32,098	22,923	0	0
FIVE YEAR PROPERTY				
LIGHT TRUCKS				
CARS				
HEAVY TRUCKS				
OFFICE EQUIPMENT				
COMPUTER EQUIPMENT				
UPIS Additions	195,855	195,855	541,008	541,008
Depreciation Rate	32.000%	19.200%	32.000%	19.200%
Tax Dep Expense	62,674	37,604	173,123	103,874
THREE YEAR PROPERTY				
Software				
UPIS Additions	2,127,591	2,127,591	7,470,044	7,470,044
Depreciation Rate	33.330%	33.330%	33.330%	33.330%
Tax Dep Expense	709,126	709,126	2,489,766	2,489,766
REAL PROPERTY				
BUILDINGS				
UPIS Additions	280,473	280,473	1,023,222	1,023,222
Depreciation Rate	2.564%	2.564%	2.564%	2.564%
Tax Dep Expense	7,191	7,191	26,235	26,235
Annual Depreciation	919,760	885,515	3,714,905	3,645,656
Monthly Depreciation	76,647	73,793	309,575	303,805

KENTUCKY-AMERICAN WATER COMPANY
TAX BASIS WATER PROPERTY - DEPRECIATION EXPENSE - STATE
CASE NO. XXX
For the year 2012-2014

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
TWENTY-FIVE YEAR PROPERTY													
WATER PROPERTY	0	600,262	1,337,525	2,321,965	672,281	277,117	1,325,614	4,453,980	771,414	1,327,113	725,377	802,653	991,374
N.D.B. (LINES 8 @100%)	0	600,262	1,337,525	2,321,965	672,281	277,117	1,325,614	4,453,980	771,414	1,327,113	725,377	802,653	991,374
ACCUMULATED	0	600,262	1,937,787	4,259,752	4,932,033	5,209,150	6,534,764	10,988,745	11,766,159	13,093,271	13,818,648	14,621,301	15,612,676
REGULAR DEPRECIATION	0	12,005	26,751	46,439	13,446	5,942	26,512	89,080	15,548	26,942	14,508	16,053	19,827
ACCUM DEPRECIATION	0	12,005	38,756	85,195	98,641	104,183	130,695	219,775	235,323	261,865	276,373	292,426	312,253

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
SEVEN YEAR PROPERTY													
OFFICE FURN. & FIX.	0	131,066	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	131,066	0	0	0	0	0	0	0	0	0	0	0
ACCUMULATED	0	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066
DEPRECIATION	0	18,729	0	0	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	0	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
FIVE YEAR PROPERTY													
LIGHT TRUCKS	0	34,171	10,121	23,321	0	0	0	17,333	0	109,200	0	0	0
CARS	0	35,256	10,428	24,028	0	0	0	17,859	0	112,509	0	0	0
HEAVY TRUCKS	0	34,377	10,121	23,321	0	0	0	17,333	0	109,200	0	0	0
OFFICE EQUIPMENT	0	93,467	0	0	0	0	0	0	0	0	0	0	0
COMPUTER EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	0	197,272	30,670	70,670	0	0	0	52,525	0	330,908	0	0	0
ACCUMULATED	0	197,272	227,941	298,611	298,611	298,611	298,611	351,136	351,136	682,044	682,044	682,044	682,044
DEPRECIATION	0	39,454	6,134	14,134	0	0	0	10,505	0	66,182	0	0	0
ACCUM DEPRECIATION	0	39,454	45,588	59,722	59,722	59,722	59,722	70,227	70,227	136,409	136,409	136,409	136,409

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
THREE YEAR PROPERTY													
SOFTWARE	0	74,399	57,033	56,937	73,664	151,610	5,587	5,587	6,510,686	109,646	127,963	123,648	117,797
N.D.B. (LINES 17-19 @100%)	0	74,399	57,033	56,937	73,664	151,610	5,587	5,587	6,510,686	109,646	127,963	123,648	117,797
ACCUMULATED	0	74,399	131,432	188,370	262,034	413,644	419,232	424,819	6,935,505	7,045,151	7,173,114	7,295,762	7,414,559
DEPRECIATION	0	24,797	19,009	18,977	24,552	50,532	1,862	1,862	2,170,012	36,545	42,650	41,212	39,262
ACCUM DEPRECIATION	0	24,797	43,806	62,783	87,335	137,867	139,729	141,591	2,311,603	2,348,148	2,390,798	2,432,010	2,471,272

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
REAL PROPERTY													
BUILDINGS	0	23,707	58,557	122,555	106,502	99,196	0	37,608	97,708	68,283	130,974	126,060	123,620
ACCUMULATED	0	23,707	82,264	204,819	311,321	410,518	410,518	448,126	545,834	614,117	745,091	871,151	994,771
DEPRECIATION	0	482	1,065	1,967	1,481	1,168	0	201	314	73	3,223	2,833	2,513
ACCUM DEPRECIATION	0	482	1,547	3,514	4,995	6,163	6,163	6,364	6,678	6,751	9,974	12,807	15,320

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
TOTAL ACCUM. DEPR.	0	95,467	148,426	229,943	269,422	326,664	355,038	445,980	2,705,647	2,829,060	2,889,548	2,951,470	3,003,900
LESS: PROV. YEAR TO DATE	0	0	31,822	90,124	0	22,452	50,107	80,601	121,198	436,329	760,517	1,052,275	1,462,129
SUBTOTAL	0	95,467	116,604	139,819	269,422	304,212	304,931	365,379	2,521,048	2,269,318	2,068,543	1,784,273	1,169,436
REMAINING PERIODS	5	3	2	1	12	11	10	9	8	7	6	5	4
MONTHLY PROV.	0	31,822	58,302	139,819	22,452	27,656	30,493	40,598	315,131	324,188	344,757	356,855	389,812
ON CURRENT ADDITIONS													

	Oct-2012	Nov-2012	Dec-2012	Jan-2013	Feb-2013	Mar-2013	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013
DEPRECIATION ON PROPERTY @													
2018 Prior UPIS Projected	0	981,454	981,454	908,751	908,751	908,751	908,751	908,751	908,751	908,751	908,751	908,751	908,751
Current Year Regular Depreciation	0	31,822	58,302	139,819	22,452	27,656	30,493	40,598	315,131	324,188	344,757	356,855	372,335
Current Year Bonus Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
Year 2 & 3 Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEPRECIATION	0	1,013,276	1,039,756	1,121,273	1,083,896	1,089,100	1,091,938	1,102,042	1,376,576	1,385,633	1,406,202	1,494,946	1,527,903
ACCUMULATED	0	1,013,276	2,053,032	3,174,304	4,258,201	5,347,301	6,439,239	7,541,281	8,917,856	10,303,489	11,709,691	13,204,637	14,732,540

Accum Depr on 2008-09 Additions
Numeric: Month 8 10 11 12 1 2 3 4 5 6 7 8 9 10

W/P - 1.8
Exhibits\Taxes\KY Tax Depreciation 2012-2014.xlsx\Tax Depr STATE

KENTUCKY-AMERICAN WATER COMP/W/P - 1.8
TAX BASIS WATER PROPERTY - DEPRECIATION\Tax Depr STATE
CASE NO. XXX
For the year 2012-2014

TWENTY-FIVE YEAR PROPERTY	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
WATER PROPERTY	435,368	13,259,654	587,895	902,655	494,487	655,695	905,947	860,163	982,824	746,636	1,475,024	1,936,884	4,348,961	2,780,318	46,581,770
N.D.B. (LINES 8 @100%)	435,368	13,259,654	587,895	902,655	494,487	655,695	905,947	860,163	982,824	746,636	1,475,024	1,936,884	4,348,961	2,780,318	46,581,770
ACCUMULATED	16,644,626	29,904,280	30,492,175	31,394,830	31,889,317	32,545,013	33,450,960	34,311,123	35,293,947	36,040,583	37,515,607	39,452,491	43,801,453	46,581,770	
REGULAR DEPRECIATION	8,707	265,193	11,758	18,053	9,890	13,114	18,119	17,203	19,656	14,933	29,500	38,738	86,979	55,606	
ACCUM DEPRECIATION	332,892	598,085	609,843	627,896	637,786	650,900	669,019	686,222	705,878	720,811	750,311	789,049	876,028	931,634	

SEVEN YEAR PROPERTY	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
OFFICE FURN. & FIX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131,066
N.D.B. (LINES 17-19 @100%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131,066
ACCUMULATED	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066	131,066
DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729	18,729

FIVE YEAR PROPERTY	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
LIGHT TRUCKS	52,000	0	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	431,612
CARS	53,576	0	0	0	0	0	0	15,715	18,573	118,938	0	0	37,860	0	444,741
HEAVY TRUCKS	52,000	0	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	431,817
OFFICE EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93,467
COMPUTER EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N.D.B. (LINES 17-19 @100%)	157,575	0	0	0	0	0	0	46,222	54,626	349,817	0	0	111,353	0	1,401,637
ACCUMULATED	839,619	839,619	839,619	839,619	839,619	839,619	885,841	940,467	1,290,284	1,290,284	1,290,284	1,290,284	1,401,637	1,401,637	1,401,637
DEPRECIATION	31,515	0	0	0	0	0	9,244	10,925	69,963	0	0	0	22,271	0	0
ACCUM DEPRECIATION	167,924	167,924	167,924	167,924	167,924	167,924	177,168	188,093	258,056	258,056	258,056	280,327	280,327	280,327	280,327

THREE YEAR PROPERTY	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
SOFTWARE	65,618	64,273	38,834	37,851	271,176	0	0	0	0	0	0	0	0	0	8,006,274
N.D.B. (LINES 17-19 @100%)	65,618	64,273	38,834	37,851	271,176	0	0	0	0	0	0	0	0	0	8,006,274
ACCUMULATED	7,594,141	7,658,414	7,697,248	7,735,098	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274	8,006,274
DEPRECIATION	21,870	21,422	12,943	12,616	90,383	0	0	0	0	0	0	0	0	0	0
ACCUM DEPRECIATION	2,531,127	2,552,549	2,565,492	2,578,108	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491	2,668,491

REAL PROPERTY	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
BUILDINGS	135,171	98,099	8,403	0	0	0	0	35,717	77,737	92,215	92,444	243,583	133,050	117,656	90,141
ACCUMULATED	1,239,942	1,228,041	1,236,444	1,236,444	1,236,444	1,236,444	1,236,444	1,272,161	1,349,898	1,442,113	1,534,557	1,778,140	1,911,190	2,028,846	2,118,987
DEPRECIATION	2,459	1,574	117	0	0	0	0	191	250	99	0	0	0	0	0
ACCUM DEPRECIATION	17,779	19,353	19,470	19,470	19,470	19,470	19,661	19,911	20,010	20,010	20,010	20,010	20,010	20,010	20,010

TOTAL ACCUM. DEPR.	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
LESS: PROV. YEAR TO DATE	3,068,451	3,356,640	3,381,458	3,412,127	3,512,400	3,525,514	3,553,068	3,581,446	3,671,164	3,686,097	3,715,597	3,776,606	3,863,585	3,919,191	
SUBTOTAL	2,224,276	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364	2,646,364
REMAINING PERIODS MONTHLY PROV.	844,175	710,276	3,381,458	3,130,339	2,946,036	2,664,546	2,396,039	2,124,912	1,911,072	1,607,493	1,315,494	1,047,630	785,399	448,305	
ON CURRENT ADDITIONS	422,087	710,276	281,788	284,576	294,604	296,061	299,505	303,559	318,512	321,499	328,874	349,210	392,699	448,305	

DEPRECIATION ON PROPERTY @	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
2011&Prior UPIS Projected	908,751	908,751	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667	860,667
Current Year Regular Depreciation	422,087	710,276	281,788	284,576	294,604	296,061	299,505	303,559	318,512	321,499	328,874	349,210	392,699	448,305	7,505,774
Current Year Bonus Depreciation	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	76,647	1,302,999
Year 2 & 3 Depreciation	152,694	152,694	456,562	456,562	456,562	456,562	456,562	456,562	456,562	456,562	456,562	456,562	456,562	456,562	7,311,072
TOTAL DEPRECIATION	1,560,179	1,848,368	1,675,663	1,678,453	1,688,480	1,689,937	1,693,381	1,697,435	1,712,388	1,715,379	1,722,750	1,743,086	1,786,576	1,842,182	40,297,222
ACCUMULATED	3,083,082	4,936,450	6,612,115	8,290,567	9,979,047	11,668,984	13,362,366	15,059,801	16,772,189	18,487,564	20,210,314	21,953,400	23,739,976	25,582,158	

Accum Depr on 2008-09 Additions
Numeric Month

2,876,307
3,868,371
3,586,583
4,152,947
4,447,551
4,743,612
5,043,117
5,346,675
5,665,187
5,986,686
6,315,559
6,664,769
7,057,469
7,505,774

11
12
1
2
3
4
5
6
7
8
9
10
11
12

Total Tax Basis Additions 58,239,734

KENTUCKY-AMERICAN WATER COMP
TAX BASIS WATER PROPERTY - DEPRECIATION
CASE NO. XXX
For the year 2012-2014

TWENTY-FIVE YEAR PROPERTY	
WATER PROPERTY	2,129,876
N.D.B. (LINE-8 @100%)	
ACCUMULATED	
REGULAR DEPRECIATION	
ACCUM DEPRECIATION	

SEVEN YEAR PROPERTY	
OFFICE FURN. & FIX.	65,533
N.D.B. (LINES 17-19 @100%)	
ACCUMULATED	
DEPRECIATION	
ACCUM DEPRECIATION	

FIVE YEAR PROPERTY	
LIGHT TRUCKS	
CARS	
HEAVY TRUCKS	
OFFICE EQUIPMENT	
COMPUTER EQUIPMENT	
N.D.B. (LINES 17-19 @100%)	149,305
ACCUMULATED	
DEPRECIATION	
ACCUM DEPRECIATION	

THREE YEAR PROPERTY	
SOFTWARE	94,185
N.D.B. (LINES 17-19 @100%)	
ACCUMULATED	
DEPRECIATION	
ACCUM DEPRECIATION	

REAL PROPERTY	
BUILDINGS	0
ACCUMULATED	
DEPRECIATION	
ACCUM DEPRECIATION	

TOTAL ACCUM. DEPR.	
LESS: PROV. YEAR TO DATE	
SUBTOTAL	
REMAINING PERIODS	
MONTHLY PROV.	
ON CURRENT ADDITIONS	

DEPRECIATION ON PROPERTY @	
2011&Prior UPIS Projected	
Current Year Regular Depreciation	
Current Year Bonus Depreciation	
Year 2 & 3 Depreciation	
TOTAL DEPRECIATION	
ACCUMULATED	

KENTUCKY-AMERICAN WATER COMPANY
TAX BASIS WATER PROPERTY - DEPRECIATION EXPENSE - STATE Years 2 & 3
CASE NO. XXX

W/P - 1-8
Exhibits\Taxes\[KY Tax Depreciation 2012-2014.xlsx]Yrs 2 and 3 STATE

	2012 UPIS Additions		2013 UPIS Additions	
	2013	2014	2014	2015
	2nd Year	3rd Year	2nd Year	3rd Year
TWENTY YEAR PROPERTY				
WATER PROPERTY				
UPIS Additions	5,433,561	5,433,561	25,644,528	25,644,528
Depreciation Rate	4.000%	4.000%	4.000%	4.000%
Tax Dep Expense	217,342	217,342	1,025,781	1,025,781
SEVEN YEAR PROPERTY				
OFFICE FURN. & FIX.				
UPIS Additions	262,132	262,132	0	0
Depreciation Rate	24.490%	17.490%	24.490%	17.490%
Tax Dep Expense	64,196	45,847	0	0
FIVE YEAR PROPERTY				
LIGHT TRUCKS				
CARS				
HEAVY TRUCKS				
OFFICE EQUIPMENT				
COMPUTER EQUIPMENT				
UPIS Additions	391,711	391,711	541,008	541,008
Depreciation Rate	32.000%	19.200%	32.000%	19.200%
Tax Dep Expense	125,347	75,208	173,123	103,874
THREE YEAR PROPERTY				
Software				
UPIS Additions	4,255,182	4,255,182	7,470,044	7,470,044
Depreciation Rate	33.330%	33.330%	33.330%	33.330%
Tax Dep Expense	1,418,252	1,418,252	2,489,766	2,489,766
REAL PROPERTY				
BUILDINGS				
UPIS Additions	280,473	280,473	1,023,222	1,023,222
Depreciation Rate	2.564%	2.564%	2.564%	2.564%
Tax Dep Expense	7,191	7,191	26,235	26,235
Annual Depreciation	1,832,328	1,763,840	3,714,905	3,645,656
Monthly Depreciation	152,694	146,987	309,575	303,805

Kentucky-American Water Company		UPIS Additions per Construction File											W/P-18					
CASE NO. XXX		Exhibits\Taxes\KY Tax Depreciation 2012-2014.xlsx											Plaint>Add					
7/2013	8/2013	9/2013	10/2013	11/2013	12/2013	1/2014	2/2014	3/2014	4/2014	5/2014	6/2014	7/2014	8/2014	9/2014	10/2014	11/2014	12/2014	
10130100	301000-Organization	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130200	302000-Franchises	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130320	303200-Land & Land Rights-S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130330	303300-Land & Land Rights-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130340	303400-Land & Land Rights-T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130350	303500-Land & Land Rights-T	0	0	356,579	3,296	1,583	1,179	225	0	0	0	0	0	0	0	0	0	
10130410	304100-Struct. & Imp-Supply	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130420	304200-Struct. & Imp-Pumping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130430	304300-Struct. & Imp-Treatment	21,010	104,711	73,555	50,085	87,898	71,838	8,403	0	14,707	67,232	60,700	81,939	170,048	59,515	86,141	58,626	
10130440	304400-Struct. & Imp-RED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130450	304500-Struct. & Imp-General	47,273	26,263	52,525	73,535	47,273	26,261	0	0	21,010	10,505	31,515	10,505	73,535	73,535	31,515	31,515	
10130450	304610-Struct. & Imp-Offices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130450	304700-Struct. & Imp-HVAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130450	304800-Struct. & Imp-Misc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130500	305000-Collect & Impound Re	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10130600	306000-Lake, River & Other Ir	7,879	39,267	27,576	18,782	32,962	26,939	3,151	0	5,515	25,212	22,763	30,727	28,129	22,318	32,303	21,985	
10130900	309000-Supply Mains	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131000	310000-Power Generation Eq	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131120	311000-Pump Eqp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131130	311200-Pump Eqp Electric	100,631	82,945	45,960	31,303	54,936	304,940	9,647	2,111	1,572	300	9,192	42,020	543,463	51,197	53,838	36,641	
10131140	311400-Pump Eqp Hydraulic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131150	311500-Pump Eqp Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131152	311520-Pump Eqp-SOS & Pum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131153	311530-Pump Eqp Wtr Treatn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10131154	311540-Pumping Equipment "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10132010	320100-WT Equip Non-Media	5,253	26,178	18,384	12,521	21,975	17,960	2,101	0	3,677	16,808	15,175	20,485	208,828	14,879	21,535	14,657	
10132010	320200-WT Equip Filter Media	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133000	330000-Dist Reservoirs & Star	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133000	330100-Elevated Tanks & Star	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133000	330200-Ground Level Tanks	5,253	26,178	18,384	12,521	21,975	17,960	2,101	0	3,677	16,808	15,175	20,485	208,828	14,879	21,535	14,657	
10133000	330400-Cleanwell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133100	331000-1D Mains Non Classifi	380,210	488,929	561,646	595,678	548,405	9,935,180	581,133	0	0	0	0	0	569,537	1,863,490	4,427,313	3,037,054	
10133100	331100-1D Mains 4in & Less	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133100	331200-1D Mains 6in to 8in	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133100	331300-1D Mains 10in to 16in	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133100	331400-1D Mains 18in & Grtr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133300	333000-Services	209,909	214,144	188,128	186,577	152,321	154,809	147,007	161,051	186,118	209,676	234,932	217,188	185,161	195,940	148,081	408,756	
10133410	334100-Meters	335,719	159,450	149,229	80,784	76,161	59,033	50,250	341,366	153,255	522,878	497,423	389,833	171,139	122,558	72,979	58,972	
10133410	334110-Meters Bronze Case	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133410	334120-Meters Plastic Case	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133410	334130-Meters Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133410	334131-Meter Reading Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133420	334200-Meter Installations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133410	334300-Meter Vaults	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133500	335000-Hydrants	63,075	69,307	72,499	93,978	55,478	51,841	49,325	39,562	42,095	40,729	52,870	47,167	76,516	131,248	154,812	116,518	
10133910	339100-Other P/E-Intangible	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10133910	339600-Other P/E-CPS	0	0	0	0	0	0	0	8,929	8,929	8,929	8,929	8,929	8,929	8,929	8,929	8,929	
10134010	340100-Office Furniture & Eq	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340210-Comp & Periph Mainf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340220-Comp & Periph Perso	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340230-Comp & Periph Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340240-Comp & Periph Capitz	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340300-Computer Software	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340320-Comp Software Packs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340325-Comp Software Packs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340330-Comp Software Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134010	340500-Other Office Equipme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10134100	341100-Trans Equip Lt Duty Tr	109,200	0	0	0	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	
10134100	341200-Trans Equip Hvy Duty	109,200	0	0	0	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	

CASE NO. XXX	Kentucky-American Water Company												W/P - 18						
	UPIS Additions per Construction File																		
	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
10134100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134100	112,509	0	0	0	53,576	0	0	0	0	0	0	18,573	118,938	0	0	0	37,860	0	0
10134200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134300	5,253	105,048	0	0	0	0	0	0	10,505	10,505	78,788	67,100	89,292	47,273	0	0	40,106	0	0
10134400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134600	346,100	346,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134600	12,500	2,500	321,658	10,956	4,727	65,010	273,362	322,186	107,612	107,294	107,219	107,220	0	0	43,787	17,758	0	0	26,263
10134600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134700	12,500	2,500	0	0	0	0	0	1,576	1,576	1,576	1,576	0	0	0	0	43,787	2,000	0	0
10134800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10135400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10134010	123,648	123,648	117,797	113,965	65,618	64,273	38,834	37,851	271,176	0	0	0	0	0	0	0	0	0	0
10133930	12,500	2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	43,787	2,000	0	0
TOTAL UTILITY PLANT IN SRV	1,677,835	1,473,567	1,647,321	1,280,234	1,327,303	14,729,191	983,041	1,314,549	1,003,916	1,113,975	1,515,194	1,469,171	1,863,542	1,263,775	2,127,886	2,690,657	5,050,053	3,825,643	
Kentucky-American Water Company																			
Segregation of Tax Basis Property																			
CASE NO. XXX	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	
WATER PROPERTY	\$725,377	\$802,653	\$991,374	\$596,582	\$435,368	\$13,259,654	\$587,895	\$902,655	\$494,487	\$655,695	\$905,947	\$860,163	\$982,824	\$746,636	\$1,475,024	\$1,936,884	\$4,348,961	\$2,780,318	
OFFICE FURN. & FIX.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOFTWARE	127,963	123,648	117,797	113,965	65,618	64,273	38,834	37,851	271,176	0	0	0	0	0	0	0	0	0	0
LIGHT TRUCKS	109,500	0	0	0	52,000	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	0	0
CARS	112,509	0	0	0	53,576	0	0	0	0	0	15,715	18,573	118,938	0	0	37,860	0	0	0
HEAVY TRUCKS	109,200	0	0	0	52,000	0	0	0	0	0	15,253	18,027	115,440	0	0	36,746	0	0	0
OFFICE EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPUTER EQUIPMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUILDINGS	68,283	130,974	126,060	123,620	135,171	98,099	8,403	0	0	0	35,717	77,737	92,215	92,444	243,583	133,050	117,656	90,141	0
Land	0	0	0	0	0	356,579	3,296	1,583	1,179	225	0	0	0	0	0	0	0	0	0
Total Tax Basis Property	1,292,532	1,057,275	1,235,231	834,167	793,732	13,778,605	638,428	942,089	766,842	655,920	987,886	992,526	1,424,856	838,080	1,718,607	2,181,288	4,466,617	2,870,458	
Check Total before Temporary D	425,304	416,292	412,090	446,067	533,571	950,586	344,614	372,453	237,074	458,055	527,308	476,645	438,686	424,695	409,279	509,369	583,436	955,184	
Book AFUDC	15,117	16,776	13,789	13,675	13,511	667,158	7,534	7,385	4,356	4,610	6,271	8,625	12,081	9,620	23,751	37,227	88,129	79,774	
Tax AFUDC	911	1,011	831	799	787	60,043	437	420	248	262	357	491	687	547	1,352	2,118	5,015	4,540	
Net Non-taxable Cust Adv/CIA	172,250	180,700	195,700	190,700	303,880	154,180	192,870	133,180	122,870	180,080	175,390	179,770	172,250	180,700	175,700	210,700	303,880	76,660	
Repairs	238,848	219,828	203,432	242,491	216,967	189,291	144,647	232,315	110,096	273,627	346,004	288,740	255,042	234,923	211,180	263,561	196,442	803,290	
Bonus Depreciation																			
Total Net Temporary Differenc	186,456	196,464	208,657	203,576	316,604	761,295	199,967	140,144	126,979	184,428	181,304	187,905	183,644	189,772	198,100	245,809	386,994	151,894	
Check Total	238,848	219,828	203,432	242,491	216,967	189,291	144,647	232,315	110,096	273,627	346,004	288,740	255,042	234,923	211,180	263,561	196,442	803,290	

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Melissa L. Schwarzell

79. At page 7 of her written direct testimony, Melissa Schwarzell references the "O&M %" that "eliminates the labor expense that is projected to be included in capital projects and programs."
- a. Identify the projected labor capitalization rate that Kentucky-American is using in its current application and compare to the capitalization rate proposed in Case No. 2010-00036.
 - b. Provide a schedule comparing the budgeted and actual labor capitalization rates for the five most recent calendar years. Explain any variance between the budget and the actual capitalization rates.

Response:

- a. The overall labor capitalization rate in the forecast period is 15.92% (For reference, see Exhibit 37, Schedule G-2, Total Company Section, Line 26, which shows a total company O&M ratio of 84.08%. The capitalization rate is equal to $1 - 84.08\% = 15.92\%$)

The overall labor capitalization rate in the forecast period for Case No. 2010-00036 was 17.34%.

- b. Budgeted and actual labor capitalization rates for the five most recent calendar years are shown below.

	Actual Capitalization	Budgeted Capitalization	Variance
2008	23.32%	18.12%	5.20%
2009	18.57%	19.96%	-1.39%
2010	18.76%	20.19%	-1.42%
2011	16.66%	18.22%	-1.56%
2012	15.67%	15.39%	0.28%

The level of capitalized payroll in any given year will depend on the level of the construction budget, the number of main breaks capitalized, the number of developer main extensions, and the number of new customers / services. Capitalization ratios also change when the organization changes, such as the addition of new plant operators at KRS II in 2010 or the movement of the Director of Engineering from Kentucky American to Service Company payroll in

2012. It is not possible to always anticipate the level and timing of capital work in the budget given the many variables that can and do occur in any particular year.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: **Melissa L. Schwarzell**

80. At page 6 of her written direct testimony, Ms. Schwarzell refers to an “overtime multiplier.” Define the term “overtime multiplier.”

Response:

An “overtime multiplier” is a factor by which an employee’s hourly wage is multiplied prior to calculating his / her overtime compensation. Overtime is compensated at different multipliers under different conditions, per the negotiated union contract. (For example, overtime worked on a holiday is typically paid at a multiplier of 2.0, while overtime under normal conditions is paid at a multiplier of 1.5).

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Melissa L. Schwarzell**

81. a. Provide a detailed description of Kentucky-American's methodology for forecasting the overtime hours.
- b. Provide a schedule comparing the budgeted and actual overtime hours by employee for the five most recent calendar years. Explain each variance between the budget and the actual capitalization rates.

Response:

- a. Forecasted overtime hours are based on historic actuals for each position, adjusted for anticipated changes.
- b. Please see attached, which contains overtime hours by employee, budget and actual for 2006 – 2012.

Kentucky American Water
Case No. 2012-00520

Response to Commission Staff's Second Request for Information, Question 81, part b

Line	2010		2011		2012		
	Budget	Actual	Budget	Actual	Budget	Actual	
1	Albert G. Booker	432.0	338.0	Aaron C. McAlpin	146.0	Aaron McAlpin	346.0
2	Alvin R. Kees	60.0	140.5	Albert G. Booker	268.6	Albert G. Booker	161.1
3	Angela K. True	0.0		Alvin R. Kees	87.4	Alvin R. Kees	161.1
4	Anthony T. Archer	182.4	2.0	Angela K. True	0.0	Angela K. True	36.0
5	Anthony T. Archer	1,712.5		Anthony T. Archer	85.6	Barrett W. Riggs	319.1
6	Barrett W. Riggs	367.9	483.0	Barrett W. Riggs	269.8	Benjamin D. Corbin	218.0
7	Benjamin Corbin	0.0	94.0	Benjamin D. Corbin	21.8	Benjamin D. Corbin	100.6
8	Bethany G. Hungate	0.0	98.0	Bethany G. Hungate	116.5	Bethany G. Hungate	110.9
9	Beverly G. Horton	0.0	296.5	Beverly G. Horton	116.5	Bobby E. O'Banion	243.4
10	Billy Benningfield	85.5	85.5	Bobby E. O'Banion	163.8	Brett Collins	492.0
11	Billy Moore Sr	10.0	10.0	Brett Collins	387.0	Bryan Roser	95.0
12	Bobby E. O'Banion	182.4	329.0	Bryan Roser	85.6	Bryan V. Siler	336.4
13	Brett Collins	552.5	301.5	Bryan V. Siler	272.4	Carolyn S. Walters	95.0
14	Bryan Roser	0.0	143.5	Carol F. Tudor	0.0	Charles Cobb	95.0
15	Bryan V. Siler	0.0	265.3	Carolyn S. Walters	85.6	Charles E. Brown Jr.	161.1
16	Carol F. Tudor	0.0	0.0	Charles Cobb	82.7	Charles F. Brinegar	139.9
17	Carolyn S. Walters	0.0	455.0	Charles E. Brown Jr.	228.2	Christine A. Florence	-
18	Cecily N. Vinegar	0.0	0.0	Charles F. Brinegar	108.9	Christopher L. Marshall	131.0
19	Charles Cobb	186.5	209.0	Cheryl A. Taylor	0.0	Dalvin J. Krug	-
20	Charles E. Brown Jr.	181.3	144.0	Christopher L. Marshall	151.5	David B. Clifton	243.4
21	Charles F. Brinegar	0.0	208.0	Dalvin J. Krug	232.3	David B. Shehee	-
22	Christopher Marshall	192.0	96.5	Darrell W. Alexander	269.8	David J. Dean	304.9
23	Dalvin Krug	367.9	329.0	David B. Clifton	235.8	David J. Winer	304.9
24	Darrell W. Alexander	182.4	207.5	David B. Shehee	0.0	David M. Moore	100.6
25	David B. Clifton	0.0	296.0	David J. Dean	281.9	David Poindexter	331.1
26	David B. Shehee	181.3	247.0	David J. Winer	281.9	Debra A. Fraley	-
27	David J. Dean	0.0	255.5	David Jeffrey Winer	156.2	Deidra S. Hayden	132.9
28	David J. Winer	367.9	64.0	David M. Moore	269.8	Dennis N. Blevins	274.2
29	David M. Moore	367.9	328.0	David Poindexter	2.4	Desirae A. Hagan	190.6
30	David Poindexter	1,047.0	5.0	Debra A. Fraley	116.5	Donald S. Simpson	131.0
31	Debra A. Mireault	529.5	8.5	Deidra S. Hayden	108.9	Dorothy J. Johnson	-
32	Deidre Hayden	2,258.5	294.0	Dennis J. Moore	281.9	Douglas A. Brock	-
33	Dennis J. Moore	0.0	253.5	Dennis N. Blevins	171.6	Douglas R. Brooks	206.8
34	Dennis N. Blevins	0.0	139.0	Desirae A. Hagan	0.0	Edwin A. Sturgis	161.1
35	Desirae Hagan	0.0	0.0	Dillard Griffin	108.9	Elizabeth A. Floyd	89.3
36	Dillard Griffin	0.0	0.0	Donald S. Simpson	355.9	Elizabeth J. Vaught	161.1
37	Donald S. Simpson	0.0	0.0	Dorothy J. Johnson	0.0	Ellen U. Williams	15.0
38	Donna L. Braxton	0.0	0.0	Douglas R. Brooks	261.5	Eric D. Stigall	-

Kentucky American Water
Case No. 2012-00520

Response to Commission Staff's Second Request for Information, Question 81, part b

Line	2010		2011		2012		
	Budget	Actual	Budget	Actual	Budget	Actual	
39	Dorothy J. Johnson	0.0	Edwin A. Sturgis	126.6	Erik J. Hall	131.0	274.5
40	Douglas R. Brooks	380.0	Elizabeth A. Floyd	385.1	Erik L. Mosby	122.0	93.0
41	Edwin A. Sturgis	132.0	Elizabeth J. Vaught	282.8	Erin G. Houston	259.2	82.0
42	Elizabeth A. Floyd	0.0	Eric D. Stigall	6.0	Erin G. O'Leary	-	-
43	Elizabeth J. Vaught	200.0	Erik J. Hall	108.9	Frank A. Ross Sr.	-	-
44	Eric D. Stigall	0.0	Erik L. Mosby	85.6	Gabriel T. Flannery	218.8	95.5
45	Erik J. Hall	0.0	Erin G. Houston	269.8	Gary W. Young Jr.	95.0	65.0
46	Erik L. Mosby	0.0	Frank A. Ross Sr.	0.0	Gordon D. Perfater	131.0	65.0
47	Erin G. Houston	367.9	Gabriel T. Flannery	269.8	Gregory V. Tomko	-	-
48	Frank A. Ross Sr.	0.0	Gary W. Young Jr.	85.6	James A. Brady	304.9	235.0
49	Gabriel T. Flannery	367.9	Gene A. Jones	108.9	James Bennette Dennison	161.1	251.0
50	Gary W. Young Jr.	0.0	Gordon D. Perfater	108.9	James Kinder	61.5	61.5
51	Gene A. Jones	0.0	Gregory V. Tomko	0.0	James Young Sr.	304.9	376.0
52	Gordon D. Perfater	0.0	Hope Y. Bault	85.6	James D. Sapp	92.0	92.0
53	Gregory V. Tomko	0.0	James A. Brady	281.9	Janet G. Bemiss	161.1	170.0
54	Hope Y. Bault	0.0	James Bennette Dennison	268.6	Janet G. Bemiss	-	-
55	James A. Brady	529.5	James R. Smith	496.2	Jarold T. Jackson	-	-
56	James Bennette Dennison	72.0	Janet G. Bemiss	282.8	Jason M. Hurt	-	-
57	James R. Smith	0.0	Jarold T. Jackson	0.0	Jason T. Sutton	131.0	105.5
58	James Sutton	49.5	Jason M. Hurt	0.0	Jeffery D. Plueger	9.1	422.0
59	James Young Sr.	367.9	Jason T. Sutton	180.0	Jeremy Dempsey	95.0	94.5
60	Janet G. Bemiss	272.0	Jeffery D. Plueger	3.0	Jerry Barnett	95.0	70.0
61	Jarold T. Jackson	0.0	Jeffrey L. Vires	74.9	Jerry Couch	45.7	45.7
62	Jason M. Hurt	0.0	Jerry Barnett	85.6	Jerry W. Maxey	45.7	337.5
63	Jeffrey L. Vires	0.0	Jerry Couch	85.6	John C. Davis	104.0	581.0
64	Jerry Barnett	529.5	Jerry W. Maxey	136.5	John M. Cooke	304.9	34.0
65	Jerry Couch	0.0	John C. Davis	340.0	John W. Hall II	-	-
66	Jerry W. Maxey	792.0	John W. Hall II	281.9	John-Mark B. Hack	260.9	249.5
67	Joe C. White	0.0	John-Mark B. Hack	0.0	Jon W. Felts	115.7	331.0
68	John W. Hall II	529.5	Jon W. Felts	316.3	Josaphat Cardona	325.1	36.0
69	John-Mark B. Hack	0.0	Josaphat Cardona	116.5	Jose M. Tellez	95.0	-
70	Jon W. Felts	0.0	Jose M. Tellez	269.8	Joshua D. Riley	-	-
71	Jonathan T. Vaughn	0.0	Joseph R. Lee	108.9	Jr., Charles D. Clayborne	-	-
72	Jose Castano	1,381.0	Joshua D. Riley	85.6	Justin D. Sensabaugh	-	142.0
73	Jose M. Tellez	0.0	Jr, Billy M. Benningfield	176.2	Karin J. Ramey	-	264.0
74	Joseph R. Lee	0.0	Jr., Charles D Clayborne	0.0	Kary Allen	130.9	187.0
75	Josephat Cardona	214.0	Justin D. Sensabaugh	65.5	Keith A. Buffin	146.4	-
76	Joshua D. Riley	0.0	Kathryn A. Hart	29.8	Keith Cartier	-	34.5

Kentucky American Water
Case No. 2012-00520

Response to Commission Staff's Second Request for Information, Question 81, part b

Line	2010		2011		2012	
	Budget	Actual	Budget	Actual	Budget	Actual
77	0.0		9.6	6.0	502.2	261.5
78	132.0	58.0	131.0	209.0	251.6	140.5
79	130.5	226.5	0.0		304.9	96.0
80	60.0	214.5	116.5	122.5	-	
81	0.0		496.2	172.5	127.2	122.5
82	0.0	154.5	136.5	230.5	170.2	221.5
83	1,141.0	261.5	281.9	118.5	192.1	271.5
84	150.0	211.5	0.0		73.2	30.5
85	529.5	193.5	108.9	183.5	131.0	121.5
86	0.0		108.9	145.0	-	
87		223.5	153.7	342.5	115.7	51.0
88	0.0	360.5	176.2	52.0	-	
89	300.0	339.5	108.9	136.5	100.6	334.5
90	0.0	245.0	0.0		-	142.5
91		81.0	116.5	38.5	73.2	75.0
92	0.0		0.0		243.4	178.0
93			0.0		182.9	239.5
94	0.0		0.0		-	
95	0.0		210.8	321.5	100.6	202.0
96	272.0	214.0	0.0	59.5	69.8	114.0
97	0.0		48.0	156.5	-	
98	360.0	105.0	163.8	347.0	304.9	50.5
99		195.0	218.4	343.5	115.7	14.0
100	240.0	363.5	0.0		304.9	
101	0.0		0.0		-	
102	0.0	252.0	0.0		146.4	120.5
103	150.0	130.0	0.0		161.1	243.0
104	529.5	394.0	32.8	312.0	-	15.0
105	0.0	24.5	109.2	177.0	-	
106	529.5	155.0	281.9	212.0	-	
107	0.0		281.9	67.5	192.1	261.0
108	0.0	169.0	0.0		95.0	91.5
109	364.0	274.5	136.5	172.0	344.6	280.5
110	19.5	4.0	355.9	371.5	190.1	96.5
111	300.0	125.5	2.0	7.5	4.7	84.5
112	75.0	15.5	176.2		304.9	182.5
113	75.0	17.0	3.6		4.0	44.5
114	0.0	86.0	0.0		4.0	84.8

Kentucky American Water
Case No. 2012-00520
Response to Commission Staff's Second Request for Information, Question 81, part b

Line	2010		2011		2012			
	Budget	Actual	Budget	Actual	Budget	Actual		
115	Rachel S. Cole	0.0	Randy H. Teegarden	176.2	486.5	Robert L. Samuels	304.9	1.5
116	Randy H. Teegarden	300.0	Randy T. Merriman	269.8	74.5	Robert M. Cruse	304.9	10.5
117	Randy T. Merriman	367.9	Rhyné Douglas	153.7	105.5	Ronald K. Kruchinski	-	
118	Rhyné Douglas	199.0	Rhyné Douglas	153.7	105.5	Ronnie J. Scott	344.6	
119	Richard A. Buchanan	0.0	Richard A. Buchanan	0.0		Roy K. Roney	132.0	171.5
120	Richard A. Young	367.9	Richard A. Young	269.8	190.0	Russell J. Music Jr.	161.1	83.0
121	Richard B. Bliss	0.0	Richard B. Bliss	108.9	149.5	Ryan L. McFarland	443.4	298.0
122	Richard B. Hawthorne	0.0	Richard B. Hawthorne	7.5	7.0	Scarlett V. Jelly	95.0	129.5
123	Richard L. Witherite	0.0	Richard D. Currey	281.9	39.0	Scott E. Willoughby	250.7	229.0
124	Richard Mattingly	529.5	Richard Mattingly	281.9	177.0	Shana D. Carr	-	
125	Richard T. Anderson	180.8	Richard T. Anderson	7.5	27.5	Stanley A. Coffey	109.8	231.5
126	Robert Brumfield	0.0	Robert Brumfield	7.5	27.5	Stanley L. Greene	115.7	87.5
127	Robert D. Barrett	367.9	Robert L. Samuels	281.9	19.0	Stephanie R. Padgett	192.1	138.0
128	Robert L. Samuels	529.5	Robert M. Cruse	281.9	26.5	Stephen M. Dempsey	-	
129	Robert M. Cruse	529.5	Ronald K. Kruchinski	0.0		Susan L. Lancho	-	
130	Ronnie J. Scott	0.0	Ronnie J. Scott	269.8	121.0	Takisha D. Walker	-	74.5
131	Roy K. Roney	60.0	Roy K. Roney	131.0	123.0	Terry Fryman	170.2	12.0
132	Russell J. Music Jr.	0.0	Russell J. Music Jr.	181.2	67.0	Terry J. Miller	95.0	51.0
133	Ryan L. McFarland	0.0	Ryan L. McFarland	269.8	309.0	Terry L. McFarland	243.4	152.5
134	Scarlett V. Jelly	0.0	Scarlett V. Jelly	85.6	143.5	Terry M. Kincaid	170.2	541.0
135	Scott Willoughby	114.0	Scott E. Willoughby	207.5	207.5	Timothy Coy	170.2	333.0
136	Shana D. Carr	0.0	Shana D. Carr	0.0		Timothy Midboe	-	49.5
137	Shannyn C Walker	0.0	Shannyn C Walker	0.0		Tobey J. Adams	107.3	10.0
138	Stacy R. Owens	0.0	Stanley A. Coffey	136.5	227.0	Tony E. Richardson	304.9	40.0
139	Stanley Coffey	153.0	Stephanie R. Padgett	116.5	154.0	Tony L. Byrd	115.7	35.5
140	Stephanie Padgett	198.0	Stephen M. Dempsey	176.2	307.0	Travis E. Rodgers	139.7	67.0
141	Stephen M. Dempsey	300.0	Susan Lancho	0.0		Victor E. Kinley	-	307.0
142	Stephen W. Smith	367.9	Takisha D. Walker	0.0		Virginia-Bibb W. Golden	170.2	307.0
143	Terri L. Hurley	0.0	Terri L. Hurley	85.6	142.5	William G. Allen	272.7	227.5
144	Terry Miller	178.5	Terry J. Miller	131.8	19.5	William J. Smither	161.1	163.0
145	Terry L. McFarland	207.0	Terry L. McFarland	235.8	242.5	William L. Lynch	95.0	
146	Terry M. Kincaid	182.4	Terry M. Kincaid	153.7	377.0	William P. Arvin	-	
147	Timothy Coy	300.0	Terry Miller	153.7	377.0	William S. Buckner	796.0	
148	Tobey J. Adams	2.5	Timothy Coy	153.7	377.0	Vacant at Budget	19,393	17,978.2
149	Tony E. Richardson	165.0	Tobey J. Adams	9.6	12.0			
150	Tony L. Byrd	529.5	Tony E. Richardson	74.9	105.0			
151	Tracy Stone	191.0	Tony L. Byrd	281.9	102.0			
152	Travis Rodgers	85.5	Tracy Y. Stone	108.9				

Kentucky American Water
Case No. 2012-00520

Response to Commission Staff's Second Request for Information, Question 81, part b

Line	Name	2010		Name	2011		Name	2012	
		Budget	Actual		Budget	Actual		Budget	Actual
153	Victor E. Kinley	0.0	200.0	Travis E. Rodgers	116.5	90.0			
154	Virginia-Bibb W. Golden	0.0		Vacant	153.7				
155	William Allen		76.5	Victor E. Kinley	108.9	104.5			
156	William J. Smither	367.9	103.0	Virginia-Bibb W. Golden	0.0				
157	William L. Lynch	141.3	325.0	William G. Allen		87.0			
158	William P. Arvin	0.0	174.0	William J. Smither	269.8	43.0			
159	William S. Buckner	0.0		William L. Lynch	228.2	477.0			
160	Vacant at Time Budgeted	923.7		William P. Arvin	85.6	278.5			
161		27,351.5	22,809.3	William S. Buckner	0.0				
162				Young Sr., James	269.8				
163				John M. Cooke		118.0			
164				Kary Allen		93.0			
165				Christine A. Florence		122.5			
166				Billy M. Benningfield Jr		168.0			
167				James Young Sr.		91.5			
168				James D. Sapp		1.0			
169				Timothy Midboe		16.5			
170				Jeremy Dempsey		9.0			
171					19,848	18,315.3			

Kentucky American Water Company
Overtime Hours
Years 2005 - 2009
Included Capital and O&M
PSCDR2#14b

Employee Name	Actual 2005	Budget 2005	Actual 2006	Budget 2006	Actual 2007	Budget 2007	Actual 2008	Budget 2008	Actual 2009	Budget 2009
Adams, Tobey J.	43.0		88.0		1.5				6.0	
Becky Ashby						48.0		169.0		
Alexander, Carolyn						168.0				
Alexander, Darrell W.	495.5		218.0	132.0	211.5	180.0	239.0	181.0	136.5	264.0
Anderson, Richard T.				132.0			39.5		26.0	180.0
Archer, Anthony T.			26.5		83.0		65.0	169.0	15.0	168.0
Arvin, William P.	529.0		738.0	132.0	610.0	168.0	437.0	169.0	312.5	168.0
Ashby, Rebecca L.-retired	112.0		32.0	623.0	1.5					
Barnett, Jerry	194.0		238.5	395.0	221.0	564.0	212.5	567.0	173.5	336.0
Barrett, Robert D.	252.0		289.5	204.0	217.0	96.0	94.5	96.0	176.0	252.0
Bault, Hope Y.	224.0		110.5	132.0	111.5	168.0	64.5	169.0	37.0	168.0
Beatty, Rodrekus A.	113.5		75.0	132.0		168.0				0.0
Bemiss, Janet G.	167.5		167.0	168.0	96.5	264.0	102.5	269.0	87.0	264.0
Blevins, Dennis N.							106.5		238.5	208.0
Bliss, Richard B.	42.0		107.5	168.0	148.5	192.0	236.5	195.0	282.0	252.0
Booker, Albert G.	195.0		300.0	168.0	361.0	264.0	348.5	195.0	221.5	264.0
Brady, James A.	474.0		330.0	132.0	257.5	168.0	126.5	169.0	172.5	168.0
Brooks, Douglas R.							153.5		343.0	208.0
Brooks, Kathy S.	20.5									
Brown Jr., Charles E.	177.0		189.5	132.0	141.0	264.0	85.5	269.0	96.5	264.0
Brown, Kenneth B.	325.5		414.0	168.0	429.0	240.0	447.5	241.0	391.5	600.0
Brumfield, Robert							90.0		90.5	180.0
Buehler, Kenneth L.	123.0		188.0	180.0	162.5	192.0	207.5	195.0	156.5	192.0
Buehler, Pamela	5.5						13.5		53.5	192.0
Buffin, Keith A.							2.0		153.5	210.0
Bullock, Danny R.	53.0			168.0						
Burdick, Patricia A.					68.5		55.0			
Byrd, Tony L.	250.0		118.0	132.0	188.5	180.0	256.5	181.0	217.5	336.0
Callan, Anthony R.	76.5		88.5		76.0	48.0	18.0	48.0	12.5	120.0
Cardona, Josaphat									75.5	
Carr, Shana D.							0.0			72.0
Castano, Jose					131.8		256.0	199.0	120.0	180.0
Castleman, Lee E.	214.5		222.0	216.0	359.0	300.0	255.5	302.0	228.5	192.0
Chandler, Mark D.	258.0		303.0	168.0	351.0	264.0	245.0	269.0	279.0	264.0
Christian, Pamela K.							8.3			
Clark, Nathan A.	96.0		189.5	174.0	234.0	192.0	269.5	195.0	202.0	192.0
Clayborne, Jr., Charles D.	4.5		3.0			24.0	10.5	24.0	3.0	36.0
Clifton, David B.	53.5		273.0		388.0	192.0	280.0	195.0	144.0	192.0
Cobb, Charles	419.5		357.0	132.0		168.0	380.0	169.0	125.5	168.0
Collins, Brett	308.5		312.0	132.0	302.0	180.0	322.0	181.0	390.5	264.0
Cooper Jr., Clifford B.-retired	66.0			132.0						
Couch, Jerry	211.0		380.5	132.0	325.5	168.0	271.0	169.0	211.0	168.0
Coy, Timothy	338.5			168.0			156.0		142.5	72.0
Cruse, Robert M.	298.0		357.0	395.0	475.5	564.0	418.0	565.0	258.5	336.0
Dean, David J.	633.0		459.5	168.0	223.5	264.0	275.5	269.0	296.5	264.0
Dempsey, Stephen M.	47.5		512.5		540.0	300.0	466.0	302.0	370.0	192.0
Dennison, James Bennette	236.0		280.5	168.0	169.0	192.0	159.5	195.0	130.0	192.0
Dixon, Kevin R.	659.0		346.5	132.0	471.5	180.0	291.5	181.0		600.0
Dotson, Nicholas L.					185.0		207.5	269.0	145.0	264.0
Farmer, Danny R.	274.0		80.5	204.0						
Felts, Jon W.	443.5		533.0	132.0	403.0	180.0	678.0	181.0	683.0	140.0
Fields, Christopher M.	261.0		89.0	192.0	117.0	96.0	278.5	108.0		264.0
Flannery, Gabriel T.	127.0		248.5	132.0	442.0	180.0	336.5	181.0	118.0	264.0
Floyd, Elizabeth A.							196.0		242.0	60.0
Fraleigh, Debra A.			4.5		1.5				4.5	
Gibson, Marshall C.			306.5		363.5	120.0	256.5	121.0	174.5	120.0
Gray, Michael D.			16.0		135.5		92.5	195.0	181.5	192.0
Hagan, Desirae A.									134.5	
Hall II, John W.	772.0		447.5	395.0	643.5	564.0	548.0	565.0	446.0	336.0
Hall, Erik J.					547.0		474.0	96.0	281.0	252.0
Hawthorne, Richard B.							78.0		95.5	180.0
Hayden, Deidra S.									104.0	
Hazlett, Larry W.	101.5		102.0	60.0	108.0	264.0	9.0	269.0		
Horn, Larry D.							104.5		281.5	
Horton, Beverly G.	264.0		189.5	192.0	299.0	96.0	368.0	96.0	334.0	180.0
Houston, Erin G.	743.5		544.5	204.0	385.0	96.0	425.0	96.0	488.5	252.0
Hungate, Bethany G.					161.0		148.0	96.0	92.0	180.0
Hurley, Terri L.	62.5		56.0		63.0	168.0	48.5	181.0	66.5	168.0
James, Patricia A.	169.5		51.0	192.0		96.0		96.0		
Jelly, Scarlett V.			171.5		197.5	168.0	645.0	169.0	398.0	168.0
Johnson, Dorothy J.							0.0			72.0
Elizabeth Jones				168.0		264.0		269.0		
Jones, Gene A.							82.5		23.0	
Kees, Alvin R.	179.5		152.5	168.0	172.5	264.0	127.5	269.0	109.0	264.0
Kincaid, Terry M.	55.5		209.0		498.0	120.0	373.0	121.0	129.5	192.0
Kinley, Victor E.			186.5		277.0		245.5	96.0	227.5	252.0
Kruchinski, Ronald K.							77.5		121.5	72.0
Krug, Dalvin J.									125.0	
Lakes				132.0						
Lee, Joseph R.							83.5		185.5	
Lee, Patricia A.							5.8		9.7	144.0
Lynch, William L.	152.0		231.0	168.0	416.0	264.0	364.5	269.0	328.5	264.0
Maggard, Michael D.	62.5		168.0		188.5	192.0	138.0	195.0	69.0	192.0
Mattingly, Richard	475.5		426.5	228.0	375.5	468.0	452.0	471.0	258.0	336.0

Kentucky American Water Company
Overtime Hours
Years 2005 - 2009
Included Capital and O&M
PSCDR2#14b

Employee Name	Actual 2005	Budget 2005	Actual 2006	Budget 2006	Actual 2007	Budget 2007	Actual 2008	Budget 2008	Actual 2009	Budget 2009
Maxey, Jerry W.	100.0		76.0	168.0	86.5	192.0	75.0	195.0	73.5	192.0
Mays, Eric A.									34.5	
Mccianahan, Joyce M.	67.0		2.0	192.0	7.0	96.0		96.0		
Mccullough, Millard W.	68.5		80.5	132.0	144.0	564.0	32.5	565.0	62.5	336.0
McFarland, Ryan L.					12.5		422.5		370.5	252.0
Mcfarland, Terry L.	278.0		318.5	132.0	308.0	168.0	277.0	169.0	175.0	168.0
Merriman, Randy T.	358.0		247.5	204.0	430.0	96.0	406.0	96.0	174.0	252.0
Moberly, Michael K.	724.0		502.0	228.0	521.0	564.0	602.0	565.0	518.0	336.0
Moody, Carolyn J.-retired	199.0			192.0						
Moore, David M.	260.5		179.0	204.0	531.5	180.0	455.0	181.0	214.0	264.0
Moore, Dennis J.	275.5		314.5	395.0	463.0	564.0	284.0	565.0	172.5	336.0
Morton, Wallace G.	150.5		212.0	395.0	261.5	564.0		530.0		
Mosby, Erik L.	438.5		376.0	204.0	221.5	96.0	146.5		133.0	168.0
Music Jr., Russell J.							66.5		132.0	264.0
O'Banion, Bobby E.	39.5		272.0		573.5	120.0	437.5	121.0	224.5	192.0
Osborne, LeeAnn	0.5		22.0		2.0	36.0		36.0	4.0	
Pate, Dwayne E.	19.0									
Perfater, Gordon D.									240.5	
Perkins, Joshua M.							2.0			
Poindexter, David	335.5		339.5	132.0	620.5	180.0	705.5	181.0	489.0	264.0
Poindexter, Lisa M.	54.0									
Pollick, Donald L.	586.0		853.0	204.0	526.0	168.0	299.0	169.0		
Pugh, Mary E.	154.5		236.5		312.5		274.0		242.5	192.0
Ramey, Karin J.							94.5		203.5	
Richardson, Tony E.	40.0		78.5	385.0	117.5	564.0	219.5	565.0	106.5	84.0
Riggs, Barrett W.			215.0		619.0	96.0	630.0	96.0	405.0	252.0
Riley, Joshua D.					226.0		262.5	96.0	278.0	168.0
Roney, Roy K.	233.5		268.0	168.0	56.5	264.0	16.5		77.0	
Roser, Bryan	562.0		704.0	132.0	612.5	168.0	649.5	169.0	370.0	168.0
Samuels, Robert L.	171.0		277.5	132.0	444.0	180.0	396.5	181.0	165.0	336.0
Scott, Ronnie J.			374.5		345.5	96.0	266.0	96.0	204.5	252.0
Sensabaugh, Justin D.									117.5	
Shryock, Michael W.									54.5	
Siler, Bryan V.							82.0		293.0	
Simpson, Donald S.					441.0		492.5	181.0	403.5	252.0
Sipes, Peggy S.	114.5		122.0	192.0	222.5	96.0	76.0	96.0	203.0	180.0
Slone, Peggy A.							48.5		64.0	96.0
Smith, James R.	586.5		557.5	168.0	554.0	468.0	503.0	471.0	318.5	600.0
Smith, Jimmie L.	105.0		89.0	132.0	264.5	264.0	17.5	269.0		
Smith, Stephen W.	314.0		241.0	244.0	354.0	96.0	417.0	96.0	289.0	264.0
Smither, William J.	381.5		349.0	204.0	403.5	96.0	449.0	96.0	326.0	264.0
Squires, Paula I.									3.5	
Stigall, Eric D.	46.0		118.0		32.5		5.5			
Sturgis, Edwin A.	128.5		167.0	168.0	132.5	264.0	122.0	269.0	115.0	264.0
Teegarden, Randy H.	15.5		322.5		402.5	300.0	321.0	302.0	281.0	240.0
Tellez, Jose M.							679.5		834.0	252.0
Thomas, Timothy W.			56.0							
Townsend, Kelly S.	202.0		124.0	192.0	161.5	360.0	152.5	362.0	166.5	180.0
True, Angela K.			17.5	192.0		48.0		48.0		
Tudor, Paul E.	195.5		303.5	216.0	352.0	240.0	268.5	302.0	246.0	192.0
Vacant-Production				168.0						
Vacant-Treatment Plant Operator/Utility						192.0		195.0		
Vacant-Treatment Plant Operator/Utility						192.0				192.0
Vacant-Crew Leader						180.0				264.0
Vacant-Field Services Records Clerk						96.0				
Vacant-Meter Reader						168.0				
Vacant-Crew Leader						180.0		16.0		264.0
Vacant-Utility						96.0		9.0		252.0
Vacant-Utility						96.0				252.0
Vacant-Production Maint Tech						100.0		100.0		
Vacant-Meter Technician								16.0		
Vacant-Process Maint Tech										192.0
Vacant-Treatment Plant Operator/3rd shift										264.0
Vaughn, Jonathan T.	266.5		150.0	132.0	194.5	360.0	139.5	362.0	102.0	180.0
Vaught, Elizabeth J.	176.0		235.0		142.0		165.0		171.0	264.0
Vinegar, Cecily N.					151.0		196.0		106.5	180.0
Vires, Jeffrey L.	31.0		47.0	216.0	19.0	180.0	10.5	182.0	41.0	84.0
Walters, Carolyn S.	767.5		388.5		359.0		178.5		328.5	168.0
Walters, Mark A.							0.0			
Watts, Stephen R.	210.0		28.0	395.0	398.0	564.0		565.0		
Whitt, Linda C.						60.0			41.5	
Whittle, Kenny O.	174.5		153.0	395.0	361.0	564.0	335.5	565.0	348.5	336.0
Wilson, George W.-retired	38.5			395.0						
Winer, David J.	736.5		736.0	132.0	307.0	168.0	328.5	169.0	180.0	168.0
Witherite, Richard L.	132.5		277.5	228.0	89.5	360.0	98.5	362.0	138.0	180.0
Young Jr., Gary W.	537.5		638.5	132.0	661.0	168.0	704.0	169.0	641.0	168.0
Young Sr., James	188.0		93.0		325.0	180.0	619.0	181.0	593.5	264.0
Young, Richard A.			381.5	132.0	478.0	96.0	501.0	96.0	386.0	252.0
Production		4,290.0								
Network		8,309.0								
	22,322.0	12,599.0	23,471.5	15,614.0	27,583.3	21,244.0	28,239.6	21,057.0	24,093.7	24,370.0

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Melissa L. Schwarzell**

82. At page 5 of her written direct testimony, Ms. Schwarzell refers to 3 percent merit increases for the non-union positions for April 2013 and April 2014. She further states that the wages for the union positions are calculated based on the negotiated union contract that is in effect through October 2014.
- a. Provide all studies and analyses that Kentucky-American and American Water have conducted or commissioned on prevailing wages in the Lexington region or in the state of Kentucky.
 - b. If no studies or analyses have been conducted or commissioned, explain why not.
 - c. Explain why, in light of the present economic conditions, both locally and nationally, the forecasted wage increases are reasonable and appropriate.
 - d. Provide a schedule comparing the budgeted and historical percentage wage increases for Kentucky-American's union and non-union employees for each of the previous five calendar years.

Response:

- a. American Water has conducted a wage study, but it was not state specific. (Please see confidential response to Commission Staff's first request for information, question 16.)
- b. Given that the study to provide wage guidance had already been generated with shared costs, Kentucky American did not commission a separate study.
- c. Kentucky American's wage increases are based on two processes. One is the union contract negotiation and the other is the merit increase program.

Union contracts are negotiated every three to four years, and cover a wide range of topics from wages, to vacation, sick and disability leave policies, to seniority and hours of work. Reaching an agreement requires developing an overall package which the employees and management can agree upon. Wage increases for the union are appropriate because they are contractual costs incurred in the good faith effort to develop a fair compensation package for Kentucky American's union employees.

The merit increase program is in place to ensure that Kentucky American is able to attract and retain qualified employees in a competitive market place. Merit increases are based on both an employee's performance and also on an employee's position in their salary band. Thus strong performance is incented

while prevailing wages remain within established salary guidelines. Performance metrics measured include customer satisfaction, safety, and operational performance. Kentucky American's metrics in these key areas are very positive, and the Company believes these results are indication of a workforce that is delivering quality service. Kentucky American strives to continue the success its employees have achieved in delivery quality service, and the performance-based merit increase process is one of the ways the Company does this. Because the merits increase process allows Kentucky American to remain a competitive employer, and because of the impact merit-based wage increases have on strong employee performance, the merit increases are appropriate.

In terms of the current local and national climate, the union wage and merit increases forecasted in this case are lower than in prior proceedings. Thus the wage increases allow for fair union negotiation and a fair market position, but also recognize the current economic climate. For example, the current union increase was negotiated to provide a 2.49-2.50% annual wage increase. This is lower than the 3% increase provided by the 2007 contract and the 4.25% increase provided by the 2004 contract. Similarly, the non-union merit increases in this case is forecasted at 3%. This is lower than the merit increases proposed in Case No. 2010-00036 (3.5% for hourly non-union and 3% for salary) and in Case No. 2008-00427 (4%). (For reference, please see Case No. 2008-00427, Commission Staff's first request for information, question 15, and Case No. 2010-00036, Commission Staff's second request for information, question 14. Alternately, please see the 2 previous union contracts, as provided in Case No. 2010-00036 in response to Commission Staff's first request for information, question 20.)

- d. Inside union decertified 1/28/08 and was given a 3% increase on 1/2/08. (This was in lieu of what would have been a December 2007 increase.)

			<u>Actual</u>	<u>Budget</u>
2008	November 1, 2008	Outside Union	3.00%	3.50%
	April 1, 2008	Non-bargaining	3.60%	3.50%
2009	November 1, 2009	Outside Union	3.00%	3.00%
	April 1, 2009	Non-bargaining	3.25%	4.00%
2010	November 1, 2010	Outside Union	2.50%	3.00%
	January 1, 2010	Non-bargaining	2.15%	3.00%
2011	November 1, 2011	Outside Union	2.50%	2.50%
		Non-bargaining (all)	2.75%	
	January 1, 2011	Non-bargaining hourly		3.50%
		Non-bargaining salary		3.00%
2012	November 1, 2012	Outside Union	2.49%	2.50%
	April 1, 2012	Non-bargaining	2.47%	2.50%

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Lewis E. Keathley**

83. At page 4 of his written direct testimony, Lew Keathley states: “[W]e began the preparation for this case by taking the annual business plan, and made adjustments for known changes since the annual business plan was developed in 2012.”
- a. For the following expense categories, provide the work papers that Kentucky-American used to develop its 2012 work plan.
- (1) Fuel and Power;
 - (2) Chemicals;
 - (3) Waste Disposal;
 - (4) Other Maintenance;
 - (5) Insurance Other Than Group.
- b. Provide the work papers requested in Item 84(a) in Microsoft Excel format.
- c. If the method(s) that Kentucky-American used to budget the expense categories listed in Item 83(a) differs from the forecasting methods used in Case No. 2010-00036, describe the differences in the forecasting methods.

Response:

- a. Attached as Excel spreadsheets are the work papers that KAWC used to develop the plan used in the rate case for the expenses Fuel and Power, Chemicals, Waste Disposal, Other Maintenance, and Insurance Other Than Group. The actual/budget/plan information is included in the file; PSC DR 83 KY 2013 Budget Plan.xlsx. Further detail for Fuel and Power, Chemical, and Insurance Other Than Group is included in the files; 2013-2017 Power model.xlsx, 2013-2014 Chemical model.xlsx, and KY 2012RC IOTG SUMMARY.xlsx.
- b. Please see the response for part (a) above.
- c. Similar forecasting methods were used for this rate case as were used in Case No. 2010-00036.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: **Keith Cartier/Lewis E. Keathley**

84. At page 7 of his written direct testimony, Lew Keathley states that there is a need to increase the sludge removal from the Richmond Road Station. Explain why sludge removal should be increased and provide all documents supporting this explanation.

Response:

Excessive sludge accumulation within the lake adjacent to our residuals handling facility is the basis for increasing sludge removal. Kentucky American Water's sludge removal effectiveness is based upon an estimated quantity of sludge within the lake as determined by visual inspection. Although, KAW has increased the volume of sludge removed from the lake, inspection indicates additional removal may still be necessary. In the summer of 2010, the contractor removed 2,805.5 yards of sludge from the lake. In the summer of 2012, the contractor removed 3280 yards of sludge from the same area. KAW believes an increase in either frequency of removal, or an increase in quantity of removal will eliminate the excessive sludge buildup that has occurred over a period of several years. Due to the costs associated with the contractor's mobilization, it is more appropriate to increase the quantity of removal versus the frequency.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Melissa L. Schwarzell**

85. At page 8 of her written direct testimony, Ms. Schwarzell states that, for Basic Life, Short and Long Term Disability, and AD&D insurance coverages, the 2012 plan rates will be adjusted by 8 percent in October 2013. At page 9 of her testimony, she adjusts the employee health insurance expense by the same percentage increase. State the basis of the projected 8 percent increase in each of these expense categories.

Response:

The basis for the projected October 2013 8% plan cost increase and January 2014 employee contribution increase is guidance from American Water Accounting. Please also refer to the response to Item 87 of this same data request.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Melissa L. Schwarzell**

86. At page 9 of her direct testimony, Ms. Schwarzell states that in the forecasted period the employee contribution for health insurance coverage totals \$352,096. Provide the basis for the forecasted level of employee contributions.

Response:

The \$352,096 figure represents gross employee contributions. These are calculated by examining each employee's selected medical and dental plans, then totaling the employee contributions associated with those plans during the forecast year. For positions which begin or end during the year, the amounts are prorated. Positions which were unfilled at the time of forecast development were assigned the average contribution for their union / non-union group.

Components of the calculation may be found as indicated below:

Employee Contribution Amounts for Various Plans:

Work paper WP-3, page 37 of 180

Work paper Excel: Exhibits\Expense\[Labor and Labor Related.xlsx]KY Med Cost, cols P&Q

Employee Medical Selections and Averages:

Work paper WP-3, pages 32-36 of 180

Work paper Excel: Exhibits\Expense\[Labor and Labor Related.xlsx]KY Med Select

Totaling of Amount:

Work paper WP-3, page 12-14 of 180

Work paper Excel: Exhibits\Expense\[Labor and Labor Related.xlsx]KY Forecast Labor, col DS

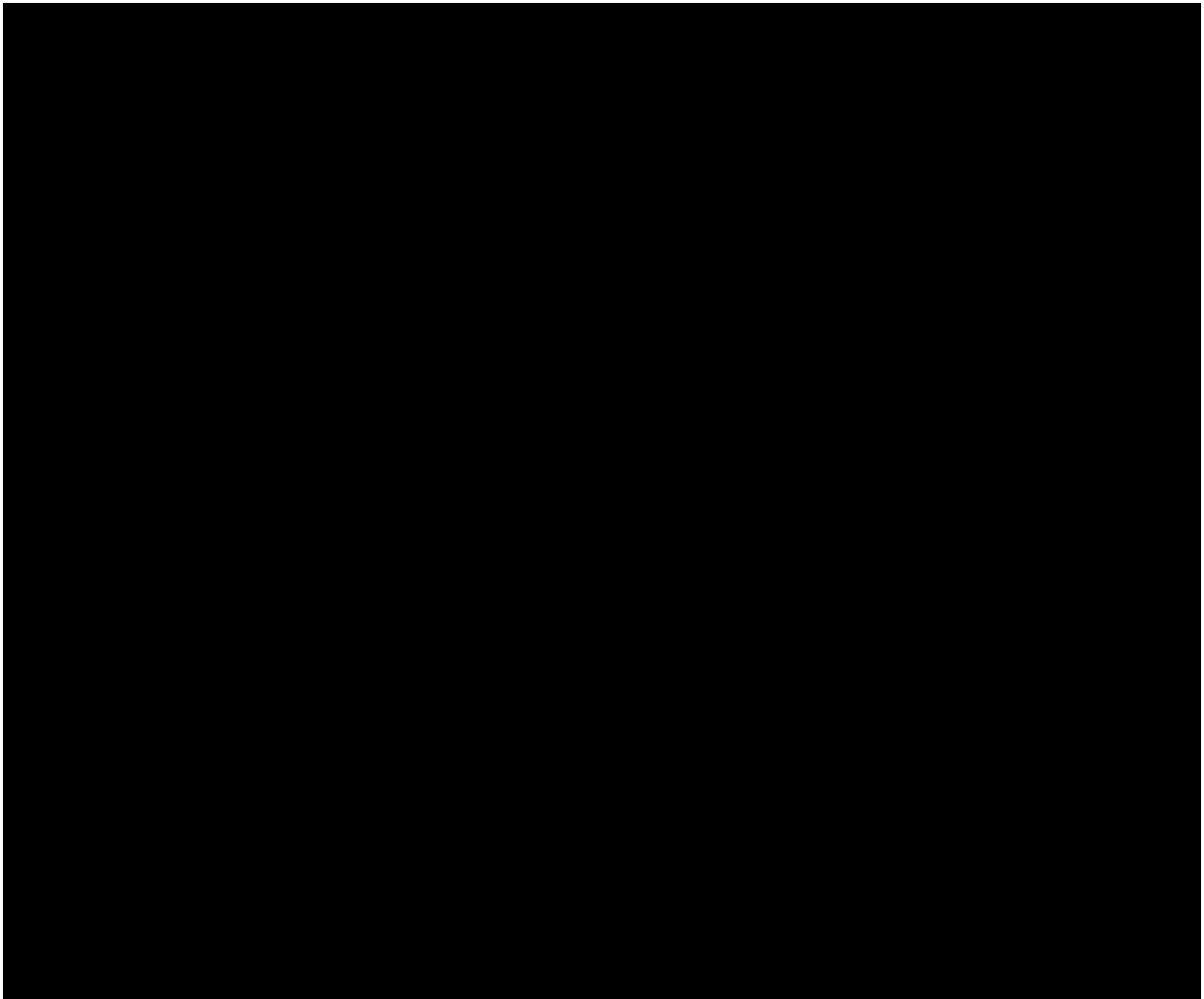
**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

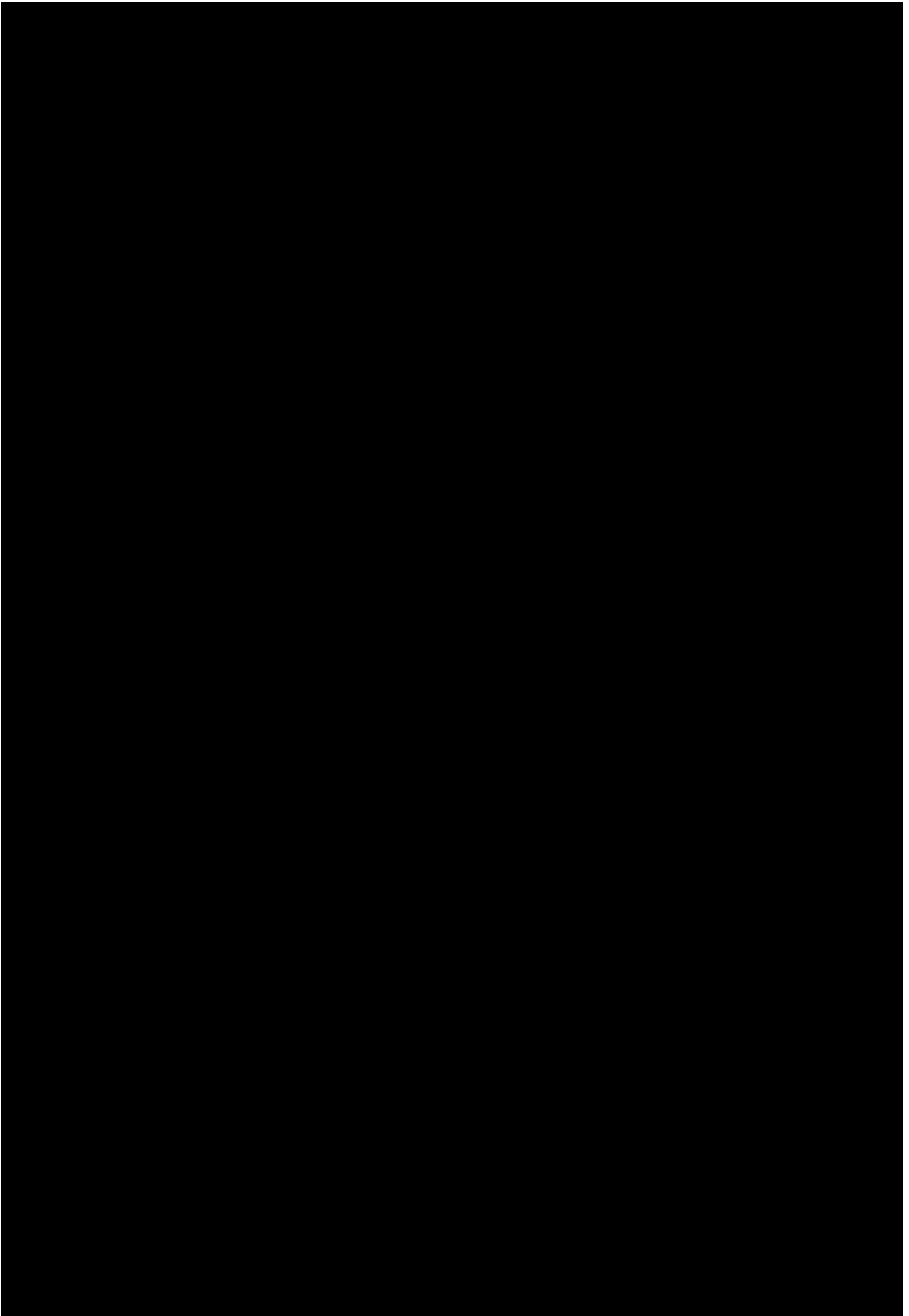
Witness: **Melissa L. Schwarzell**

87. At page 9 of her direct testimony, Ms. Schwarzell states that the OPEB forecast is based on the latest estimates for 2013 and 2014 post-retirement welfare cost. State the basis for the OPEB estimates. Provide all work papers and supporting documents, show all calculations and state all assumptions used to derive the estimates.

Response:

The basis for the OPEB forecast was guidance from American Water Accounting, a comprehensive summary of which is shown below. The guidance shown below contains confidential information. Therefore, the Company has filed a Petition for Confidential Treatment contemporaneously with these responses. The Company will provide copies of the confidential response to all parties in this case upon execution of an appropriate confidentiality agreement.





KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Linda C. Bridwell**

88. In Case No. 2010-00036, Kentucky-American's total forecasted rate case cost was \$632,500 and in this current case the estimate is \$700,142, a \$67,642 or a 10.7 percent increase.
- a. State the reasons for the expected increase in rate case expense.
 - b. Describe Kentucky-American's efforts to contain rate case expenses.

Response:

- a. Case No. 2010-00036 was filed in February 2010, or 34 months prior to Case No. 2012-00520. During this time period, costs in general have increased. In addition, other drivers for the difference from Case No. 2010-00036 are increases in legal fees and for the general preparation of the rate case. The rate case costs are based on an estimate of the legal expenses for a fully litigated rate case, and include each of the Company's witnesses presenting oral testimony. The increase in the general preparation of the rate case is the result the Company's effort to continually improve the process of presenting a rate case. The Company has made a significant effort in this filing to present a detailed rate case and to make the documentation easy to follow.
- b. KAW undertakes a number of efforts to contain rate cases expenses. First, KAW determines each issue likely to be discussed in the individual case and only seeks professional input on items that are likely to be concerns. Then KAW reviews whether professional expertise is available within American Water, or if outside experts are necessary. KAW also reviews efforts in case development to determine if any portion can be completed more efficiently without losing any quality. American Water is undertaking an effort to standardize, where possible, case presentation files in order to streamline the efforts to assemble each case. Further, American Water has reorganized the rates team to provide additional resources across the business as needed. Finally, KAW believes that the implementation of BT will help with compiling the data necessary to provide information during rate cases.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Linda C. Bridwell

89. Provide for the calendar year ended December 31, 2012 for each American Water subsidiary that provides retail water service:
- a. Its total uncollectibles;
 - b. Its total water sales; and
 - c. Its uncollectibles stated as a percentage of total water sales.

Response:

Please see the attached.

Kentucky American Water Company
Case No. 2012-00520
Commission Staff Second Request - 89

Company	Uncollectibles For 2012	Bill Water Revenues For 2012	Percentage
Indiana American	\$1,803,072.95	\$195,215,869.07	0.92%
Iowa American	331,186.00	\$35,665,885.71	0.93%
Kentucky American	\$397,535.88	\$83,199,602.53	0.48%
Maryland American	\$9,252.54	\$4,205,873.35	0.22%
Bluefield Valley Water	\$820.47	\$357,094.90	0.23%
California American	\$670,959.70	\$176,844,424.76	0.38%
Missouri American	\$1,844,355.45	\$267,912,792.69	0.69%
New Jersey American	\$2,585,656.76	\$600,603,043.29	0.43%
Pennsylvania American	\$4,648,301.32	\$534,831,092.33	0.87%
Illinois American	\$1,937,314.05	\$233,050,006.21	0.83%
Tennessee American	\$381,806.50	\$42,640,440.15	0.90%
Virginia American	\$195,063.74	\$49,795,651.29	0.39%
West Virginia American	\$1,415,606.37	\$119,695,210.51	1.18%
New York American	\$409,236.94	\$53,144,173.90	0.77%
Total	\$16,630,168.67	\$2,397,161,160.69	

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Scott W. Rungren/ Linda C. Bridwell

90. Refer to Kentucky-American's Application, Exhibit 37, Schedule F. For each forecasted amount listed in this Schedule, identify the account on page 7 of Exhibit 37, Schedule C, in which Kentucky-American has recorded the amount.

Response:

<u>Schedule</u>	<u>Exhibit 37 Schedule C Account</u>
Schedule F-1 Social and Service Club Dues	52524000 Misc Exp
Schedule F-2.1 Charitable Contributions	52514500 Please refer to 52514600 Item 109 of this 52514700 same data request.
Schedule F-2.3 Employee Party, Outing and Gift Expense	50451000 Other Benefits 50450000 Other Benefits
Schedule F-3/Schedule F-4 Customer Service, Sales Promotion and Advertising Expense	
	Conservation Informational
	52514904 Misc Exp 52514903 Misc Exp 52514909 Misc Exp 52514906 Customer Acctg 52515000 Misc Exp 52515001 Misc Exp 52514905 Misc Exp
Schedule F-5/Schedule F-6 Professional Service Expenses/ Rate Case Expense	
	Deferred Account Amortization of Cost of Service Amortization of Depreciation Contract Legal Fees Contract Audit Fees
	18620000 56610000 Regulatory Exp 56620000 Regulatory Exp 53155000 Contracted Service 53154000 Contracted Service

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Linda C. Bridwell

91. Refer to Kentucky-American's Application, Exhibit 37, Schedule F at 8. Provide a copy of each conservation advertisement that is included in the forecasted amount of \$110,000.

Response:

The \$110,000 includes the entire conservation budget, of which advertisements are a small component. Advertisements include public radio station message, print advertisements, and scripts for radio commercials.

Please refer to the attached for known conservation messages to be used in the forecasted period.



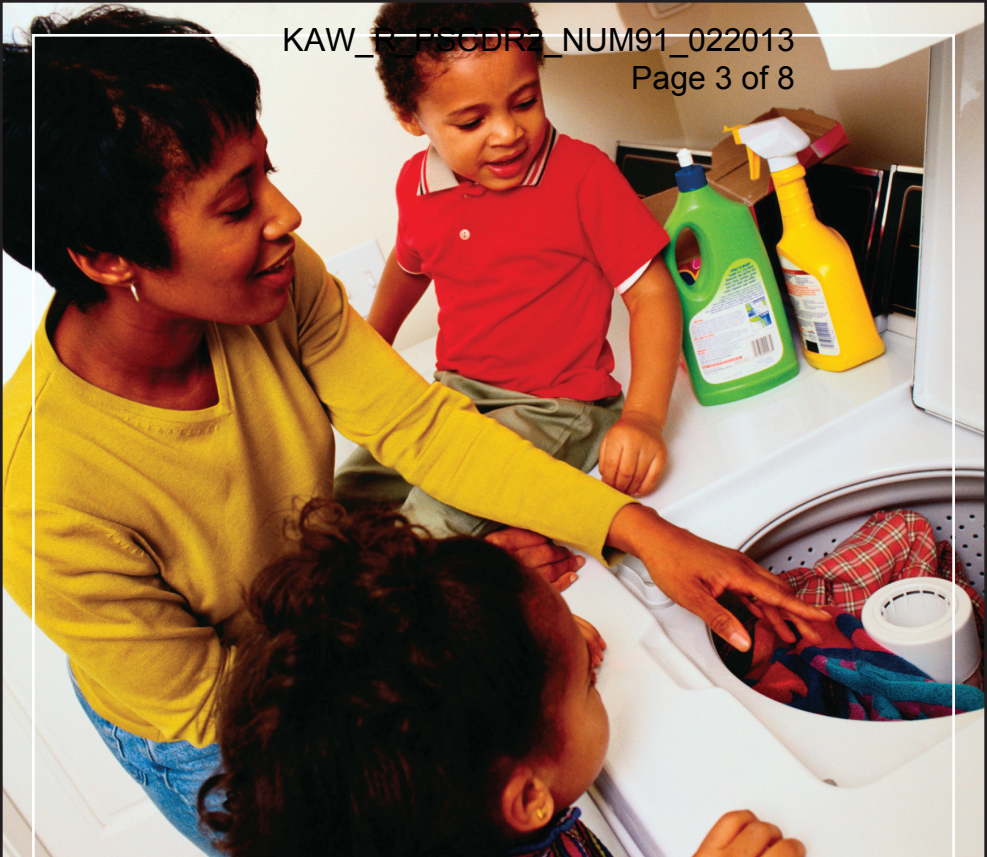
KENTUCKY

AMERICAN WATER

**Kentucky Proud Farmers Market Report
WUKY-FM Radio**

The Kentucky Proud Farmers Market Report is brought to you by ...

... Kentucky American Water. Information about water conservation, low-income assistance programs and water infrastructure investment efforts are online at [Kentucky A M Water dot com](http://KentuckyAMWater.com).



Go Green. Save Blue.

There's a lot of talk about "going green" these days. We can all play a part in protecting and preserving the environment.

Going green is easier than you think. Here are a few tips on how to use water wisely inside the home:

- Wait until you have a full load to wash the laundry in the washing machine, or lower the water settings for smaller loads.
- If you use a dishwasher, only run it with full loads of dishes, and scrape dishes off instead of rinsing them when loading the dishwasher.
- If you don't use a dishwasher, try to avoid letting the water run while you wash dishes in the sink.
- For a summer refreshment, keep a pitcher of tap water in the fridge instead of running the tap until it's cold.



KENTUCKY
AMERICAN WATER

WE CARE ABOUT WATER. IT'S WHAT WE DO.
(800) 678-6301 • www.kentuckyamwater.com



Go Green. Save Blue.

There's a lot of talk about "going green" these days. We can all play a part in protecting and preserving the environment.

Going green is easier than you think. Here are a few tips on how to use water wisely inside the home:

- Check for toilet leaks by adding food coloring to the tank. If the toilet is leaking, color will appear in the bowl within 15 minutes. (Make sure to flush as soon as the test is done, since food coloring can stain the tank.) Download a free leak detection booklet from www.kentuckyamwater.com.
- If your toilet is older than 1992, you may want to consider replacing it. Newer models use less water, especially those with a WaterSense label.
- To save even more water in your bathroom and kitchen, install faucet aerators and low-flow showerheads.
- Turn off the tap while you brush your teeth or shave.
- Take 5-minute showers and shallower baths.



KENTUCKY
AMERICAN WATER

WE CARE ABOUT WATER. IT'S WHAT WE DO.
(800) 678-6301 • www.kentuckyamwater.com



Go Green. Save Blue.

There's a lot of talk about "going green" these days. We can all play a part in protecting and preserving the environment.

Going green is easier than you think. Here are a few tips on how to use water wisely outside the home:

- Use mulch around trees and plants to help reduce evaporation and control water-stealing weeds.
- Water your garden and lawn only when needed. Water in the early morning or evening to reduce the amount of water lost to evaporation.
- Use sprinklers that produce droplets, not mist, or use soaker hoses or trickle irrigation for trees and shrubs.
- Don't overfertilize. Doing so increases your lawn's need for water.
- Raise your lawn mower blade to at least 3 inches. Taller grass promotes deeper roots.



KENTUCKY
AMERICAN WATER

WE CARE ABOUT WATER. IT'S WHAT WE DO.
(800) 678-6301 • www.kentuckyamwater.com

Client	KY American Water	Saved as	KY American Water 3	Date	Writer
Cart	Station(s)	AE	Finn	Title	

<u>PRODUCTION</u>	<u>TIME</u>	<u>COPY (Double Spaced – ALL CAPS – 11 point font size)</u>
BEGINNING TAG	-	THIS WATER WISE TIP IS BROUGHT TO YOU BY KENTUCKY
	-	AMERICAN WATER.
	-	
11.	10	CHECK EVERY FAUCET AND SHOWERHEAD IN THE HOUSE FOR
	-	LEAKS, AND FIX ANY LEAKS YOU FIND PROMPTLY. A FAUCET
	-	DRIPPING ONE DRIP PER SECOND CAN REALLY ADD UP!
	-	
	20	WHEN BUYING NEW FAUCETS, SHOWERHEADS AND TOILETS, BE
12.	-	SURE TO LOOK FOR ONES WITH THE WATERSENSE LABEL.
	-	YOU’LL USE WATER MORE EFFICIENTLY WITHOUT SACRIFICING
	-	PERFORMANCE.
	30	
	-	KNOW WHERE YOUR WATER SERVICE SHUT OFF VALVE IS
13.	-	LOCATED IN YOUR HOME. IF EMERGENCY LEAK REPAIRS ARE
	-	NEEDED, QUICKLY LOCATING AND SHUTTING OFF THIS VALVE
	-	WILL PREVENT FLOODING AND WATER WASTE.
	-	
END TAG	-	WATER, IT’S WORTH USING WISELY.
	-	
	-	
	-	
	-	
	END	

Client	Saved as	Date	Writer
Cart	Station(s)	AE	Title
<u>PRODUCTION</u>	<u>TIME</u>	<u>COPY (Double Spaced – ALL CAPS – 11 point font size)</u>	
BEGINNING TAG	-	THIS WATER WISE TIP IS BROUGHT TO YOU BY KENTUCKY	
	-	AMERICAN WATER.	
1.	-	DOES YOUR TOILET HAVE A SECRET LEAK? YOU CAN TEST IT	
	10	BY PUTTING SEVERAL DROPS OF FOOD COLORING IN THE	
	-	TOILET TANK. DON'T FLUSH FOR FIFTEEN MINUTES. IF	
	-	COLORED WATER SHOWS UP IN THE BOWL, THE TANK IS	
END TAG	-	LEAKING AND NEEDS TO BE FIXED.	
	20	WATER, IT'S WORTH USING WISELY.	
2.	-		
	-	DO YOU FLUSH AWAY FACIAL TISSUE AND OTHER BITS OF	
	-	TRASH IN THE TOILET? USING A WASTEBASKET INSTEAD WILL	
	30	SAVE ALL THOSE GALLONS OF WATER THAT OTHERWISE ARE	
	-	WASTED.	
3.	-		
	-	TURN OFF THE TAP WHILE YOU BRUSH YOUR TEETH, WASH	
	-	YOUR FACE. OR SHAVE. YOU'LL SAVE WATER THAT OTHERWISE	
4.	-	GOES WASTEFULLY DOWN THE DRAIN.	
	-	WATER, IT'S WORTH USING WISELY.	
	-		
	-	HELP PREVENT FROZEN WATER PIPES THIS WINTER BY	
5.	-	ELIMINATING SOURCES OF COLD AIR NEAR THEM. REPAIR	
	-	BROKEN WINDOWS, CLOSE OFF CRAWL SPACES, ELIMINATE	
	-	DRAFTS NEAR DOORS AND WRAP EXPOSED PIPES WITH	
	END	INSULATION.	
		WATER, IT'S WORTH USING WISELY.	



KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

92. Provide for the investment projects that Kentucky-American started or completed during the period from 2002 through 2012:
- a. The number of investment projects that Kentucky-American completed ahead of schedule.
 - b. The number of investment projects that Kentucky-American completed on schedule.
 - c. The number of investment projects that Kentucky-American completed behind schedule.

Response:

Kentucky American Water
Case Number 2012-00520

Year	Total No. of IPs Completed	IPs Completed Ahead of Schedule	IPs Completed On Schedule	IPs Completed Behind Schedule
2002	7	0	2	5
2003	4	1	0	3
2004	4	1	0	3
2005	4	0	1	3
2006	4	1	1	2
2007	4	0	0	4
2008	3	2	0	1
2009	2	1	0	1
2010	3	0	3	0
2011	1	0	0	1
2012	1	0	0	1

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Cheryl D. Norton/Keith Cartier/Linda C. Bridwell**

93. a. List each construction project that Kentucky-American will commence or complete during the forecast period for which Kentucky-American, as of the date of this Request, has not obtained all necessary governmental permits, licenses, or other approvals.
- b. For each project listed in response to Item 93(a):
- (1) List all required governmental permits, licenses, and other approvals.
- (2) List all governmental permits, licenses, and other approvals that Kentucky-American has not obtained as of the date of this Request.
- (3) State the date on which Kentucky-American applied or expects to apply for each required governmental permit, license, or other approval.

Response:

Please see attached.

Kentucky American Water Case Number 2012-00520 No. 93			Status	Permits	Permit Status	Expected To Apply
No.	Description					
112-020010	Leestown Road	Designed and Bid	Easements KY DOW KPDES Permit LFUCG Land Disturbance Permit LFUCG ROW Permit	Applied Received Not Submitted Not Submitted	Early 2013 Early 2013	
112-020025	Pump Efficiency Replacement Phase	Past 90% Design	KY DOW Construction Permit LFUCG Land Disturbance Permit LFUCG Building Permit	Applied Applied Applied		
112-300003	Northern Division Connection	Pending PSC Approval	KY DOW Construction Permit KY DOW Stream Construction Permit/Water Quality Certification KY DOW KPDES Permit US Army Corps Nationwide Permit No. 12 KTC Encroachment Permit Owen County Encroachment Permit	Received Received Not Submitted Received Received Received	After PSC Approval	
112-020031	Todds and Cleveland Road Main Extension	Planning	Easements KY DOW KPDES Permit LFUCG Land Disturbance Permit LFUCG ROW Permit	Not Applied Not Applied Not Applied Not Applied	2014 2014 2014 2014	
IP-1202-10	KRS Clearwell Improvements	Planning	None Required			
IP-1202-11	I-75 Main Extension	Planning	Easements KY DOW KPDES Permit KTC Encroachment Permit	Not Applied Not Applied Not Applied	2014 2014 2014	
IP-1202-13	Greenwich Road Main Extension	Planning	Easements KY DOW KPDES Permit LFUCG Land Disturbance Permit LFUCG ROW Permit KTC Encroachment Permit	Not Applied Not Applied Not Applied Not Applied Not Applied	2014 2014 2014 2014 2014	
IP-1202-16	North Upper Street Main Replacement	Planning	Easements KY DOW KPDES Permit LFUCG Land Disturbance Permit LFUCG ROW Permit KTC Encroachment Permit	Not Applied Not Applied Not Applied Not Applied Not Applied	2014 2014 2014 2014 2014	
IP-1202-20	KY Major Highway	Planning	Easements KY DOW KPDES Permit LFUCG Land Disturbance Permit LFUCG ROW Permit KTC Encroachment Permit	Not Applied Not Applied Not Applied Not Applied Not Applied	2014 2014 2014 2014 2014	
IP-1202-23	RRS Carbon and Pre-Chlorine Feed	Planning	KY DOW Construction Permit	Not Applied	2014	
IP-1202-27	KRS Hydrotreater Valve and Flow Meter	Planning	None Required			
IP-1202-39	Pump Efficiency Replacement	Planning	None Required			

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Linda C. Bridwell**

94. Provide a comparison of Kentucky-American's forecasted rate base, capital structure, and income statement from Case No. 2010-00036 with its actual results. Provide a detailed explanation for each variance.

Response:

Attached is a comparison of KAWC's forecasted rate base, capital structure, and income statement from Case No. 2010-00036 with its actual results, along with a detailed explanation for each variance. (Rate Base analysis, Capital Structure analysis, and Income Statement analysis)

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520

Rate Base Component	Case No. 2010-00036		Difference	Explanation
	Forecasted Amount (9/30/11)	Actual 9/30/2011		
Utility Plant In Service	\$ 580,304,120	\$ 572,459,278	\$ 7,844,842	Connection from KRSII to Northern Division was delayed
Property Held for Future Use	(0)	252,657	(252,657)	Tri Village & Elk Lake not included in Rate Base
Utility Plant Acquisition Adjustments	(114,707,569)	(116,943,232)	2,235,663	Connection from KRSII to Northern Division was delayed
Accumulated Depreciation	465,596,551	455,768,703	9,827,848	
Net Utility Plant In Service	\$ 14,756,034	\$ 7,709,553	\$ 7,046,481	
Construction Work In Progress	2,141,000	-	2,141,000	Connection from KRSII to Northern Division was delayed
Working Capital Allowance	642,421	703,040	(60,619)	Rate case used Lead Lag study
Other Working Capital Allowance	(50,361,516)	(48,862,434)	(1,499,082)	Utilized 24 month average in rate case
Contributions in Aid of Construction	(21,998,976)	(12,222,966)	(9,776,010)	Difference due to lower aid contributions
Customer Advances	(41,467,444)	(44,741,911)	3,274,467	Lower Advances received
Deferred Income Taxes	(73,124)	(73,131)	7	Difference due to change in UPIS & CWIP
Deferred Investment Tax Credits	3,405,534	2,808,203	597,331	Cox St variance -\$276K, Hydrotreater #9 - \$53K, KRS Clearwell & Mercer Road - \$313, Owenton not being amortized - (\$45)
Deferred Maintenance	1,669,591	1,669,591	(0)	
Deferred Debits				
Other Rate Base Elements	(2,050,680)	429,024	(2,479,704)	Difference due 24 month average usage - (\$1,602K) Contract Retention, (\$1,150K) Accrued Pension. Difference due to RWIP actual balance @ 9/30/11 is zero \$171K, & Deferred Comp disallowance \$101K.
Jurisdictional Rate Base	\$ 372,259,391	\$ 363,187,672	\$ 9,071,719	

KENTUCKY-AMERICAN WATER COMPANY
Case No. 2012-00520

Capital Component	Case No. 2010-00036		Difference	Explanation
	Forecasted Amount (9/30/11)	Actual 9/30/2011		
Short-Term Debt	\$ 8,824,000	\$ 20,010,880	\$ 11,186,880	Delay of LT debt issuance noted below resulted in higher than expected short-term debt balance.
Long-Term Debt	190,926,318	166,088,084	(24,838,234)	LT debt issuance of \$23.5 million scheduled for May 2011 was not issued until November. Actual issue amount was \$20 million.
Preferred Stock	5,936,194	5,926,200	(9,995)	\$10,000 sinking fund payment on Feb. 28, 2010 not in budget.
Common Equity	163,507,000	155,362,892	(8,144,108)	Equity infusions budgeted for 2010-2011 for \$29.5 million; actual issuances totaled \$18 million.
Total Capital	\$ 369,193,513	\$ 347,388,056	\$ (21,805,457)	
JDTIC	\$ 826,708	\$ 826,692	(17)	Difference due to rounding. Amortizations in 2010 case were rounded to nearest whole dollar.

**Kentucky American
Income Statement
October 2010 - September 2011**

	Base Year	Case No: 2010-00038		Oct 2010-Sep 2011	Difference	Explanation of the Differences
		Adjustments	Forecasted			
Operating Revenues						
Water Sales	\$64,254,178	\$499,310	\$64,753,488	81,877,721	\$17,124,233	Variance is primarily resulting from the 2010 Rate Increase. This was partially offset by lower water usage due to 2011 weather.
Other Operating Revenues	2,788,053	982,085	3,770,138	3,189,823	(580,315)	Variance primarily due to cessation of AFUDC on new water treatment plant that went into service.
	67,042,231	1,481,395	68,523,626	85,067,544	18,025,313	
Operating Expenses						
Labor	7,136,288	903,335	8,039,623	7,514,821	(524,802)	Variance primarily due to Business Development expenses not realized, vacancies and movements to service company, and lower overtime.
Purchased Water	126,828	(6,173)	120,655	206,170	85,515	Water purchased from Georgetown to correct quality issues
Fuel and Power	3,179,899	1,195,885	4,375,884	3,866,404	(509,180)	Lower than planned system delivery and improved plant efficiencies
Chemicals	2,188,604	(415,874)	1,772,730	1,918,128	145,398	Higher chemical costs due to rain in 2011
Waste Disposal	289,729	50,497	340,226	278,955	(61,271)	Lower than planned system delivery
Management Fees	8,485,212	542,909	9,028,121	8,131,331	(896,790)	Lower than forecasted support services expense
Group Insurance	2,257,585	55,958	2,313,543	2,214,598	(98,945)	Change in plan offerings and employee portion
Pensions	1,262,429	5,303	1,267,732	955,473	(312,259)	Differences in required funding
Regulatory Expense	304,841	61,621	366,462	495,759	129,297	Full Write off 2007 and 2008 rate case expenses & related studies
Insurance Other than Group	690,501	51,761	742,262	612,676	(129,586)	Reduction in premium
Customer Accounting	1,823,105	(110,588)	1,712,517	1,955,478	242,961	Higher revenues result in higher write offs
Rents	32,992	(5,338)	27,654	7,928	7,928	Higher copier and printer lease costs
General Office Expense	636,050	3,728	639,778	749,604	109,826	Variance due to reallocation expenses.
Miscellaneous	3,529,985	(89,856)	3,440,139	3,275,888	(164,251)	Variance resulting from sale of vehicles and timing of maintenance
Maintenance - Other	1,320,342	(48,001)	1,272,341	1,639,755	367,414	Variance due to acceleration of maintenance
Total O & M Expenses	33,264,400	2,194,956	35,459,366	33,850,622	586,222	
Depreciation	7,867,005	3,219,071	11,086,076	8,659,517	(2,426,559)	Variance primarily due to new water treatment plant
Amortization	516,980	(283,259)	233,721	2,243,897	2,010,176	Variance primarily due to new water treatment plant
General Taxes						
Property and Capital Stock	3,435,719	993,455	4,429,174			
Gross Receipts and Sales	99,219	10,607	109,826			
Payroll	545,836	75,471	621,307			
Miscellaneous	0	0	0			
Total General Taxes	4,080,774	1,079,533	5,160,307	5,021,272	(139,035)	Variance due to higher property tax accrual offset by lower gross receipts tax accrual.
State and Federal Income Taxes						
State Income Taxes						
Current	240,355	(404,928)	(164,573)			
Deferred	937,339	(618,837)	318,502			
Total State Income Taxes	1,177,694	(1,023,765)	153,929	1,526,729	1,372,800	Higher revenues resulted in higher taxes
Federal Income Taxes						
Current	(181,708)	(720,700)	(902,408)			
Deferred	6,585,582	(4,641,418)	1,944,164			
Deferred - ITC	(84,798)	1	(84,797)			
Total Fed Income Taxes	6,319,076	(5,362,117)	956,959	9,632,846	8,875,987	Higher revenues resulted in higher taxes
Total Operating Expenses	53,225,929	(175,570)	53,050,359	59,608,154	6,557,796	
Utility Operating Income	\$13,816,302	\$1,656,965	\$15,473,267	\$25,459,390	\$9,986,123	

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

95. Provide a comparison of Kentucky-American's forecasted construction expenditures from Case No. 2010-00036 with its actual results by construction project. Provide a detailed explanation for each variance.

Response:

Please see the attached which provides the monthly comparisons for March 2010 – September 2011, as well as the yearly comparison for December 2010 and the year-to-date comparison for September 2011.

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Mar-10	Mar-10	Difference	Note
DV	Developer/Governmental Contributions	346,946	275,000	71,946	
A	Mains - New	15,294	20,000	(4,706)	
B	Mains - Replaced/Restored	124,990	3,000	121,990	
C	Mains - Unscheduled	6,152	31,000	(24,848)	
D	Mains - Relocated	132,570	40,000	92,570	
E	Hydrants, Valves, and Manholes - New	27,029	2,000	25,029	
F	Hydrants, Valves, and Manholes - Replaced	5,291	19,000	(13,709)	
G	Services and Laterals - New	83,545	52,725	30,820	
H	Services and Laterals - Replaced	24,042	86,620	(62,578)	
I	Meters - New	28,376	76,460	(48,084)	
J	Meters - Replaced	17,572	127,000	(109,428)	
K	ITS Equipment and Systems	14,140	14,140	0	
L	SCADA Equipment and Systems	10,209	15,000	(4,791)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	1,387	10,000	(8,613)	
O	Vehicles	1,367	0	1,367	
P	Tools and Equipment	0	20,000	(20,000)	
Q	Process Plant Facilities and Equipment	244,131	30,000	214,131	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	13	9,000	(8,987)	
	Subtotal	1,083,054	830,945	252,109	
	Less Item DV	346,946	275,000	71,946	
	Total Item A - S	736,108	555,945	180,163	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	4,185	10,000	(5,815)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	4,035,671	3,186,919	848,752	The variance in March is due to some catch up work from prior months slow downs due to inclement weather on both the pipeline and treatment plant.
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	11,783	100,000	(88,217)	
	Non-budgeted IP's	(325)	0	(325)	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	7,208	0	7,208	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	2,902	0	2,902	
1201-3	Business Transformation	33,716	135,519	(101,803)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	250,000	(250,000)	
1202-32	Lexington Operations Center	0	20,000	(20,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	4,095,140	3,702,438	392,702	
	Total Company Expenditures	4,831,248	4,258,383	572,865	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Apr-10	Apr-10	Difference	Note
DV	Developer/Governmental Contributions	233,404	255,000	(21,596)	
A	Mains - New	(51)	15,000	(15,051)	
B	Mains - Replaced/Restored	140,694	44,000	96,694	
C	Mains - Unscheduled	6,928	14,000	(7,072)	
D	Mains - Relocated	130,078	85,000	45,078	
E	Hydrants, Valves, and Manholes - New	21,844	4,000	17,844	
F	Hydrants, Valves, and Manholes - Replaced	2,970	8,000	(5,030)	
G	Services and Laterals - New	(176,875)	70,300	(247,175)	
H	Services and Laterals - Replaced	(158,129)	65,465	(223,594)	
I	Meters - New	48,198	83,900	(35,702)	
J	Meters - Replaced	427,208	177,500	249,708	
K	ITS Equipment and Systems	16,500	24,250	(7,750)	
L	SCADA Equipment and Systems	0	10,000	(10,000)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	4,973	0	4,973	
O	Vehicles	36,657	0	36,657	
P	Tools and Equipment	0	28,000	(28,000)	
Q	Process Plant Facilities and Equipment	60,153	203,150	(142,997)	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	6	9,000	(8,994)	
	Subtotal	794,559	1,096,565	(302,006)	
	Less Item DV	233,404	255,000	(21,596)	
	Total Item A - S	561,155	841,565	(280,410)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	985	10,000	(9,015)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	2,164,964	2,494,487	(329,523)	The variance in April is due to some slow down due to inclement weather on both the pipeline and treatment plant.
12020702	Major Highway Relocations	(3,326)	0	(3,326)	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	18,144	150,000	(131,856)	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(28,572)	0	(28,572)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	(2,584)	0	(2,584)	
1201-3	Business Transformation	21,701	1,652,330	(1,630,629)	Timing difference on spend
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	400,000	(400,000)	Project was delayed.
1202-32	Lexington Operations Center	0	20,000	(20,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	2,171,311	4,726,817	(2,555,506)	
	Total Company Expenditures	2,732,466	5,568,382	(2,835,916)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	May-10	May-10	Difference	Note
DV	Developer/Governmental Contributions	128,671	225,000	(96,329)	
A	Mains - New	(26,749)	20,000	(46,749)	
B	Mains - Replaced/Restored	139,392	78,000	61,392	
C	Mains - Unscheduled	3,515	18,000	(14,485)	
D	Mains - Relocated	118,109	135,000	(16,891)	
E	Hydrants, Valves, and Manholes - New	1,586	12,000	(10,414)	
F	Hydrants, Valves, and Manholes - Replaced	25,232	9,000	16,232	
G	Services and Laterals - New	72,652	94,400	(21,748)	
H	Services and Laterals - Replaced	54,852	105,544	(50,692)	
I	Meters - New	28,954	87,000	(58,046)	
J	Meters - Replaced	111,331	156,327	(44,996)	
K	ITS Equipment and Systems	266,425	20,000	246,425	
L	SCADA Equipment and Systems	0	15,000	(15,000)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	2,671	0	2,671	
O	Vehicles	(37,815)	75,000	(112,815)	
P	Tools and Equipment	20,000	20,000	0	
Q	Process Plant Facilities and Equipment	29,150	94,500	(65,350)	
R	Capitalized Tank Rehabilitation/Painting	(12,555)	0	(12,555)	
S	Engineering Studies	0	12,000	(12,000)	
	Subtotal	925,424	1,176,771	(251,347)	
	Less Item DV	128,671	225,000	(96,329)	
	Total Item A - S	796,753	951,771	(155,018)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	4,982	10,000	(5,018)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	2,313,087	2,443,962	(130,875)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	839	0	839	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	140,226	150,000	(9,774)	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	7,016	0	7,016	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	150	0	150	
1201-3	Business Transformation	527,031	147,714	379,317	Timing difference on spend
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	400,000	(400,000)	Project was delayed.
1202-32	Lexington Operations Center	110,000	100,000	10,000	
1202-17	South Limestone Replacement	0	132,854	(132,854)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	3,103,330	3,384,530	(281,200)	
	Total Company Expenditures	3,900,083	4,336,301	(436,218)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Jun-10	Jun-10	Difference	Note
DV	Developer/Governmental Contributions	63,137	285,000	(221,863)	
A	Mains - New	35,950	60,000	(24,050)	
B	Mains - Replaced/Restored	96,125	105,000	(8,875)	
C	Mains - Unscheduled	6,761	18,000	(11,239)	
D	Mains - Relocated	68,841	144,700	(75,859)	
E	Hydrants, Valves, and Manholes - New	5,593	82,000	(76,407)	
F	Hydrants, Valves, and Manholes - Replaced	32,898	22,000	10,898	
G	Services and Laterals - New	86,559	83,360	3,199	
H	Services and Laterals - Replaced	52,596	104,544	(51,948)	
I	Meters - New	32,878	94,860	(61,982)	
J	Meters - Replaced	182,906	171,900	11,006	
K	ITS Equipment and Systems	(266,413)	10,250	(276,663)	
L	SCADA Equipment and Systems	3,063	13,500	(10,437)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	2,319	20,000	(17,681)	
O	Vehicles	45,088	100,000	(54,912)	
P	Tools and Equipment	10,094	10,000	94	
Q	Process Plant Facilities and Equipment	20,656	105,500	(84,844)	
R	Capitalized Tank Rehabilitation/Painting	927	0	927	
S	Engineering Studies	0	14,000	(14,000)	
	Subtotal	479,979	1,444,614	(964,635)	
	Less Item DV	63,137	285,000	(221,863)	
	Total Item A - S	416,842	1,159,614	(742,772)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	1,000	10,000	(9,000)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	3,051,087	2,235,693	815,394	The variance in June reflects contractor work picking up due to good weather conditions.
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	262,114	175,000	87,114	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(27,615)	0	(27,615)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	31,369	152,348	(120,979)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	400,000	(400,000)	The variance in June is due to extending the time period for bid opening.
1202-32	Lexington Operations Center	177,656	225,000	(47,344)	
1202-17	South Limestone Replacement	140,689	200,000	(59,311)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	3,636,300	3,398,041	238,259	
	Total Company Expenditures	4,053,142	4,557,655	(504,513)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Jul-10	Jul-10	Difference	Note
DV	Developer/Governmental Contributions	39,557	360,000	(320,443)	
A	Mains - New	1,462	95,000	(93,538)	
B	Mains - Replaced/Restored	16,287	145,000	(128,713)	
C	Mains - Unscheduled	10,689	13,000	(2,311)	
D	Mains - Relocated	28,227	170,000	(141,773)	
E	Hydrants, Valves, and Manholes - New	2,526	76,000	(73,474)	
F	Hydrants, Valves, and Manholes - Replaced	20,796	22,000	(1,204)	
G	Services and Laterals - New	55,085	101,925	(46,840)	
H	Services and Laterals - Replaced	19,407	105,544	(86,137)	
I	Meters - New	25,083	93,519	(68,436)	
J	Meters - Replaced	131,475	171,900	(40,425)	
K	ITS Equipment and Systems	25,743	20,000	5,743	
L	SCADA Equipment and Systems	3,056	20,000	(16,944)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	22,162	0	22,162	
O	Vehicles	(3,250)	75,000	(78,250)	
P	Tools and Equipment	0	14,000	(14,000)	
Q	Process Plant Facilities and Equipment	55,555	70,000	(14,445)	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	14,000	(14,000)	
	Subtotal	453,860	1,566,888	(1,113,028)	
	Less Item DV	39,557	360,000	(320,443)	
	Total Item A - S	414,303	1,206,888	(792,585)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	300	9,294	(8,994)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	2,775,282	2,178,811	596,471	The variance reflects contractor work picking up due to good weather conditions.
12020702	Major Highway Relocations	(793)	0	(793)	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	133	0	133	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	289,599	175,000	114,599	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	28,292	0	28,292	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	20,821	190,295	(169,474)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	500,000	(500,000)	The variance is due to extending the time period for bid opening.
1202-32	Lexington Operations Center	298,229	300,000	(1,771)	
1202-17	South Limestone Replacement	263,388	200,000	63,388	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	3,675,251	3,553,400	121,851	
	Total Company Expenditures	4,089,553	4,760,288	(670,735)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Aug-10	Aug-10	Difference	Note
DV	Developer/Governmental Contributions	228,005	240,000	(11,995)	
A	Mains - New	19,961	75,000	(55,039)	
B	Mains - Replaced/Restored	12,797	70,000	(57,203)	
C	Mains - Unscheduled	31,894	23,000	8,894	
D	Mains - Relocated	12,739	145,300	(132,561)	
E	Hydrants, Valves, and Manholes - New	10,850	7,000	3,850	
F	Hydrants, Valves, and Manholes - Replaced	9,720	18,000	(8,280)	
G	Services and Laterals - New	81,897	107,925	(26,028)	
H	Services and Laterals - Replaced	24,956	115,900	(90,944)	
I	Meters - New	20,204	91,979	(71,775)	
J	Meters - Replaced	263,668	172,800	90,868	
K	ITS Equipment and Systems	21,097	17,250	3,847	
L	SCADA Equipment and Systems	858	20,000	(19,142)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	15,651	0	15,651	
O	Vehicles	0	0	0	
P	Tools and Equipment	27,063	5,000	22,063	
Q	Process Plant Facilities and Equipment	135,000	31,850	103,150	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	16,000	(16,000)	
	Subtotal	916,358	1,157,004	(240,646)	
	Less Item DV	228,005	240,000	(11,995)	
	Total Item A - S	688,354	917,004	(228,650)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	10,000	(10,000)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	2,523,156	2,049,234	473,922	The variance reflects contractor work picking up due to good weather conditions.
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	48	0	48	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	105,417	175,000	(69,583)	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(37,129)	0	(37,129)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	24,860	202,872	(178,012)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	0	500,000	(500,000)	The variance is due to extending the time period for bid opening.
1202-32	Lexington Operations Center	244,280	300,000	(55,720)	
1202-17	South Limestone Replacement	149,848	0	149,848	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	3,010,479	3,237,106	(226,627)	
	Total Company Expenditures	3,698,833	4,154,110	(455,277)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Sep-10	Sep-10	Difference	Note
DV	Developer/Governmental Contributions	319,664	320,000	(336)	
A	Mains - New	12,097	45,000	(32,903)	
B	Mains - Replaced/Restored	20,925	50,000	(29,075)	
C	Mains - Unscheduled	32,436	18,000	14,436	
D	Mains - Relocated	(172,591)	70,000	(242,591)	
E	Hydrants, Valves, and Manholes - New	4,194	4,000	194	
F	Hydrants, Valves, and Manholes - Replaced	39,672	22,000	17,672	
G	Services and Laterals - New	49,863	74,300	(24,437)	
H	Services and Laterals - Replaced	34,534	130,000	(95,466)	
I	Meters - New	83,772	82,470	1,302	
J	Meters - Replaced	154,411	166,230	(11,819)	
K	ITS Equipment and Systems	9,162	2,000	7,162	
L	SCADA Equipment and Systems	19,219	10,000	9,219	
M	Security Equipment and Systems	0	10,000	(10,000)	
N	Offices and Operations Centers	18,017	30,000	(11,984)	
O	Vehicles	0	0	0	
P	Tools and Equipment	31,640	0	31,640	
Q	Process Plant Facilities and Equipment	77,227	50,000	27,227	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	9,000	(9,000)	
	Subtotal	734,241	1,093,000	(358,759)	
	Less Item DV	319,664	320,000	(336)	
	Total Item A - S	414,578	773,000	(358,422)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	20,970	(20,970)	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarmallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	1,479,503	1,757,678	(278,175)	
12020702	Major Highway Relocations	(88,767)	0	(88,767)	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	1,690	0	1,690	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	117,721	175,000	(57,279)	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(85,749)	0	(85,749)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	63,463	188,991	(125,528)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	325,804	400,000	(74,196)	
1202-32	Lexington Operations Center	375,135	400,000	(24,865)	
1202-17	South Limestone Replacement	(30,675)	0	(30,675)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	2,158,125	2,942,639	(784,514)	
	Total Company Expenditures	2,572,702	3,715,639	(1,142,937)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Oct-10	Oct-10	Difference	Note
DV	Developer/Governmental Contributions	8,707	305,000	(296,293)	
A	Mains - New	12,015	45,000	(32,985)	
B	Mains - Replaced/Restored	86,200	35,000	51,200	
C	Mains - Unscheduled	23,209	29,000	(5,791)	
D	Mains - Relocated	876	60,000	(59,124)	
E	Hydrants, Valves, and Manholes - New	382	2,000	(1,618)	
F	Hydrants, Valves, and Manholes - Replaced	3,690	13,000	(9,310)	
G	Services and Laterals - New	70,409	71,300	(891)	
H	Services and Laterals - Replaced	53,997	114,900	(60,903)	
I	Meters - New	104,440	76,222	28,218	
J	Meters - Replaced	36,770	129,357	(92,587)	
K	ITS Equipment and Systems	2,122	1,500	622	
L	SCADA Equipment and Systems	96,000	0	96,000	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	17,640	0	17,640	
O	Vehicles	32,789	0	32,789	
P	Tools and Equipment	6,110	0	6,110	
Q	Process Plant Facilities and Equipment	406,749	45,000	361,749	The variance is due to several emergency replacement projects starting: incline car, traveling screens, and lagoon project.
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	6,000	(6,000)	
	Subtotal	962,106	933,279	28,827	
	Less Item DV	8,707	305,000	(296,293)	
	Total Item A - S	953,399	628,279	325,120	
12020201	Leestown Road Main Improvements	(150,955)	0	(150,955)	
12020204	Source of Supply Project Development	(496)	(2,195,211)	2,194,715	Source of Supply Project line item was not debited to New WTP project until November.
12020402	Major Highway Relocations	(36,977)	0	(36,977)	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	799,997	3,152,498	(2,352,501)	Source of Supply Project line item was not debited to New WTP project until November.
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	9,853	0	9,853	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	269,458	41,929	227,529	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(42,654)	0	(42,654)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	35,100	178,291	(143,191)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	277,000	225,000	52,000	
1202-32	Lexington Operations Center	522,005	500,000	22,005	
1202-17	South Limestone Replacement	25,665	0	25,665	
1202-31	KRS Raw Water Access	0	0	0	
1232-3	Northern Division Connection	0	0	0	
1202-19	Leestown Road	188,414	0	188,414	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	1,896,410	1,902,507	(6,097)	
	Total Company Expenditures	2,849,809	2,530,786	319,023	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Nov-10	Nov-10	Difference	Note
DV	Developer/Governmental Contributions	486,642	310,000	176,642	
A	Mains - New	(358)	0	(358)	
B	Mains - Replaced/Restored	181,907	15,000	166,907	
C	Mains - Unscheduled	90,913	24,400	66,513	
D	Mains - Relocated	2,031	40,000	(37,969)	
E	Hydrants, Valves, and Manholes - New	10,451	2,000	8,451	
F	Hydrants, Valves, and Manholes - Replaced	8,102	9,000	(898)	
G	Services and Laterals - New	125,522	76,825	48,697	
H	Services and Laterals - Replaced	47,321	129,444	(82,123)	
I	Meters - New	17,717	76,222	(58,505)	
J	Meters - Replaced	574,114	114,327	459,787	The variance is due to accelerated spent to offset IP-1202-18 US 25 Replacement, which was delayed in starting.
K	ITS Equipment and Systems	33,668	0	33,668	
L	SCADA Equipment and Systems	149,022	0	149,022	
M	Security Equipment and Systems	13,000	0	13,000	
N	Offices and Operations Centers	5,731	0	5,731	
O	Vehicles	369,836	241,000	128,836	
P	Tools and Equipment	0	0	0	
Q	Process Plant Facilities and Equipment	257,627	45,000	212,627	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	3,000	(3,000)	
	Subtotal	2,373,246	1,086,218	1,287,028	
	Less Item DV	486,642	310,000	176,642	
	Total Item A - S	1,886,604	776,218	1,110,386	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	(2,133,802)	0	(2,133,802)	The variance is due to the transfer of preliminary cost to project 12020607 New WTP on Pool 3, which had been planned for October.
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	2,509,060	850,700	1,658,360	The variance is due to the transfer of preliminary cost to project 12020607 New WTP on Pool 3, which had been planned for October.
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	19,200	0	19,200	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	229,200	0	229,200	
	Non-budgeted IP's	0	0	0	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	68,933	0	68,933	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	78,846	173,651	(94,805)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	23,500	0	23,500	
1202-32	Lexington Operations Center	696,373	85,000	611,373	Project scope increased over original budget.
1202-17	South Limestone Replacement	860	0	860	
1202-31	KRS Raw Water Access	0	25,000	(25,000)	
1232-3	Northern Division Connection	0	0	0	
1202-19	Leestown Road	7,550	0	7,550	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	1,499,720	1,134,351	365,369	
	Total Company Expenditures	3,386,324	1,910,569	1,475,755	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Dec-10	Dec-10	Difference	Note
DV	Developer/Governmental Contributions	67,461	347,000	(279,539)	
A	Mains - New	2,108	0	2,108	
B	Mains - Replaced/Restored	79,762	10,000	69,762	
C	Mains - Unscheduled	47,448	20,000	27,448	
D	Mains - Relocated	8,100	25,000	(16,900)	
E	Hydrants, Valves, and Manholes - New	1,332	3,000	(1,668)	
F	Hydrants, Valves, and Manholes - Replaced	4,342	6,000	(1,658)	
G	Services and Laterals - New	71,357	46,200	25,157	
H	Services and Laterals - Replaced	74,669	93,004	(18,335)	
I	Meters - New	17,702	59,783	(42,081)	
J	Meters - Replaced	566,122	72,589	493,533	The variance is due to accelerated spent to offset IP-1202-18 US 25 Replacement, which was delayed in starting.
K	ITS Equipment and Systems	18,102	0	18,102	
L	SCADA Equipment and Systems	200,849	0	200,849	
M	Security Equipment and Systems	10,086	0	10,086	
N	Offices and Operations Centers	(5,852)	20,000	(25,852)	
O	Vehicles	401,088	419,000	(17,912)	
P	Tools and Equipment	12,075	0	12,075	
Q	Process Plant Facilities and Equipment	581,704	45,000	536,704	The variance is due to several emergency replacement projects starting: incline car, traveling screens, and lagoon project.
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	0	0	
	Subtotal	2,158,454	1,166,576	991,878	
	Less Item DV	67,461	347,000	(279,539)	
	Total Item A - S	2,090,993	819,576	1,271,417	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	217,340	405,684	(188,344)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	9,500	0	9,500	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	71,500	0	71,500	
	Non-budgeted IP's	(990)	0	(990)	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(5,678)	0	(5,678)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	152,500	933,533	(781,033)	Timing difference on spend.
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	588,940	0	588,940	The variance is due to a delayed contractor scheduled start, material delays, and inclement weather.
1202-32	Lexington Operations Center	247,154	50,000	197,154	
1202-17	South Limestone Replacement	156	0	156	
1202-31	KRS Raw Water Access	0	25,000	(25,000)	
1232-3	Northern Division Connection	0	0	0	
1202-19	Leestown Road	47,600	0	47,600	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	1,328,021	1,414,217	(86,196)	
	Total Company Expenditures	3,419,014	2,233,793	1,185,221	

Kentucky American Water				
Comparison of Capital Expenditures				
Actual Vs. Case No. 2010-00036				
		YTD	YTD	
Budget		Actual	Per 2010-00036	
Item	Description	Dec-10	Dec-10	YTD
DV	Developer/Governmental Contributions	2,112,707	3,560,000	(1,447,293)
A	Mains - New	82,273	400,000	(317,727)
B	Mains - Replaced/Restored	998,116	565,000	433,116
C	Mains - Unscheduled	269,042	244,400	24,642
D	Mains - Relocated	727,693	950,000	(222,307)
E	Hydrants, Valves, and Manholes - New	107,571	200,000	(92,429)
F	Hydrants, Valves, and Manholes - Replaced	162,530	175,000	(12,470)
G	Services and Laterals - New	618,725	874,660	(255,935)
H	Services and Laterals - Replaced	293,766	1,240,975	(947,209)
I	Meters - New	436,640	971,340	(534,700)
J	Meters - Replaced	2,666,027	1,584,929	1,081,098
K	ITS Equipment and Systems	139,408	111,090	28,318
L	SCADA Equipment and Systems	485,597	103,500	382,097
M	Security Equipment and Systems	23,086	10,000	13,086
N	Offices and Operations Centers	104,527	80,000	24,527
O	Vehicles	849,078	910,000	(60,922)
P	Tools and Equipment	118,735	117,000	1,735
Q	Process Plant Facilities and Equipment	1,887,397	750,000	1,137,397
R	Capitalized Tank Rehabilitation/Painting	(11,628)	0	(11,628)
S	Engineering Studies	(46)	100,000	(100,046)
	Subtotal	12,071,245	12,947,894	(876,649)
	Less Item DV	2,112,707	3,560,000	(1,447,293)
	Total Item A-S	9,958,537	9,387,894	570,643
12020201	Leestown Road Main Improvements	(150,955)	0	(150,955)
12020204	Source of Supply Project Development	(2,114,108)	(2,094,947)	(19,161)
12020402	Major Highway Relocations	(36,977)	0	(36,977)
12020505	Replace Trac-Vac System at RRS	0	0	0
12020506	Sludge Handling Improvements	0	0	0
12020508	Reliability Improvements	0	0	0
12020602	Yarnalton Road Main	0	0	0
12020607	New WTP on Pool 3 of Kentucky River	30,789,847	31,459,866	(670,019)
12020702	Major Highway Relocations	(91,967)	0	(91,967)
12300403	Owen County Main Extensions	0	0	0
12320507	Owenton Acquisition Water	0	0	0
1202-6	Carrick Pike Main Extension	41,893	0	41,893
12020701	Incline Car Replacement @KRS	0	0	0
1202-5	North Broadway Main Replacement	1,565,365	1,151,929	413,436
	Non-budgeted IP's	(989)	0	(989)
1232-1	Owenton Bulk Storage	0	0	0
1201-10	Unallocated Eng Clearing	(943)	0	(943)
12020501	Ground Storage Tank	0	0	0
1201-1	Business Transformation	984	0	984
1201-3	Business Transformation	1,011,336	4,036,078	(3,024,742)
1201-4	Business Transformation	0	0	0
1202-18	US 25 Relocation	1,215,244	3,200,000	(1,984,756)
1202-32	Lexington Operations Center	2,670,832	2,000,000	670,832
1202-17	South Limestone Replacement	549,929	532,854	17,075
1202-31	KRS Raw Water Access	0	50,000	(50,000)
1232-3	Northern Division Connection	0	0	0
1202-19	Leestown Road	243,564	0	243,564
	Reserved	0	0	0
	Reserved	0	0	0
	Reserved	0	0	0
	Reserved	0	0	0
	Reserved	0	0	0
	Total IP's	35,693,055	40,335,780	(4,642,725)
	Total Company Expenditures	45,651,593	49,723,674	(4,072,081)

Budget was too high.

The variance is due to accelerated spent to offset IP-1202-18 US 25 Replacement, which was delayed in starting.

The variance is due to several emergency replacement projects starting: incline car, traveling screens, and lagoon project.

Timing Difference. More work had been completed in 2009

Timing difference on spend.

The variance is due to a delayed contractor scheduled start, material delays, and inclement weather. The project has been reforecast for 2010. Anticipates accelerated schedule for 2011.

Project scope increased over original budget.

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Jan-11	Jan-11	Difference	Note
DV	Developer/Governmental Contributions	196,001	408,000	(211,999)	
A	Mains - New	28,156	0	28,156	
B	Mains - Replaced/Restored	10,581	5,000	5,581	
C	Mains - Unscheduled	3,182	23,000	(19,818)	
D	Mains - Relocated	2,540	15,000	(12,460)	
E	Hydrants, Valves, and Manholes - New	6,184	4,000	2,184	
F	Hydrants, Valves, and Manholes - Replaced	8,022	14,000	(5,978)	
G	Services and Laterals - New	31,804	52,375	(20,571)	
H	Services and Laterals - Replaced	34,475	118,200	(83,725)	
I	Meters - New	8,774	73,078	(64,304)	
J	Meters - Replaced	10,144	30,221	(20,077)	
K	ITS Equipment and Systems	0	0	0	
L	SCADA Equipment and Systems	3,017	0	3,017	
M	Security Equipment and Systems	10,151	0	10,151	
N	Offices and Operations Centers	4,978	0	4,978	
O	Vehicles	98,185	0	98,185	
P	Tools and Equipment	1,526	7,000	(5,474)	
Q	Process Plant Facilities and Equipment	93,274	0	93,274	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	13	0	13	
	Subtotal	551,008	749,874	(198,866)	
	Less Item DV	196,001	408,000	(211,999)	
	Total Item A - S	355,006	341,874	13,132	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	223,900	24,101	199,799	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	670	0	670	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	990	0	990	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(38,552)	0	(38,552)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	257,852	179,977	77,875	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	25,733	0	25,733	
1202-32	Lexington Operations Center	(1)	0	(1)	
1202-17	South Limestone Replacement	(108)	0	(108)	
1202-31	KRS Raw Water Access	0	0	0	
1232-3	Northern Division Connection	0	250,000	(250,000)	
1202-19	Leestown Road	7,791	0	7,791	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	478,275	454,078	24,197	
	Total Company Expenditures	833,281	795,952	37,329	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Feb-11	Feb-11	Difference	Note
DV	Developer/Governmental Contributions	145,000	380,000	(235,000)	
A	Mains - New	6,972	0	6,972	
B	Mains - Replaced/Restored	39,383	15,000	24,383	
C	Mains - Unscheduled	6,140	13,000	(6,860)	
D	Mains - Relocated	1,564	25,000	(23,436)	
E	Hydrants, Valves, and Manholes - New	10,816	2,000	8,816	
F	Hydrants, Valves, and Manholes - Replaced	32,919	18,000	14,919	
G	Services and Laterals - New	49,595	63,200	(13,605)	
H	Services and Laterals - Replaced	47,897	120,200	(72,303)	
I	Meters - New	47,218	82,518	(35,300)	
J	Meters - Replaced	14,508	71,290	(56,782)	
K	ITS Equipment and Systems	1	20,000	(19,999)	
L	SCADA Equipment and Systems	15	0	15	
M	Security Equipment and Systems	3,587	0	3,587	
N	Offices and Operations Centers	5,453	0	5,453	
O	Vehicles	(0)	0	(0)	
P	Tools and Equipment	23,042	12,000	11,042	
Q	Process Plant Facilities and Equipment	248,733	54,000	194,733	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	13	0	13	
	Subtotal	682,854	876,208	(193,354)	
	Less Item DV	145,000	380,000	(235,000)	
	Total Item A - S	537,854	496,208	41,646	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	30,494	24,101	6,393	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	314	0	314	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	42,591	0	42,591	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	136,980	182,895	(45,915)	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	(154,283)	0	(154,283)	
1202-32	Lexington Operations Center	(104,148)	0	(104,148)	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	0	0	
1232-3	Northern Division Connection	0	200,000	(200,000)	
1202-19	Leestown Road	1,628	0	1,628	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	(46,426)	406,996	(453,422)	
	Total Company Expenditures	491,429	903,204	(411,775)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Mar-11	Mar-11	Difference	Note
DV	Developer/Governmental Contributions	62,992	357,000	(294,008)	
A	Mains - New	0	0	0	
B	Mains - Replaced/Restored	7,146	55,000	(47,854)	
C	Mains - Unscheduled	22,239	31,000	(8,761)	
D	Mains - Relocated	2,253	50,000	(47,747)	
E	Hydrants, Valves, and Manholes - New	28,414	2,000	26,414	
F	Hydrants, Valves, and Manholes - Replaced	15,215	24,000	(8,785)	
G	Services and Laterals - New	65,019	74,875	(9,856)	
H	Services and Laterals - Replaced	48,143	96,160	(48,017)	
I	Meters - New	41,835	90,160	(48,325)	
J	Meters - Replaced	72,048	131,214	(59,166)	
K	ITS Equipment and Systems	25,772	8,870	16,902	
L	SCADA Equipment and Systems	0	20,000	(20,000)	
M	Security Equipment and Systems	23,924	0	23,924	
N	Offices and Operations Centers	36,313	0	36,313	
O	Vehicles	13,699	0	13,699	
P	Tools and Equipment	(13,708)	10,000	(23,708)	
Q	Process Plant Facilities and Equipment	311,475	56,000	255,475	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	15,000	4,000	11,000	
	Subtotal	777,779	1,010,279	(232,500)	
	Less Item DV	62,992	357,000	(294,008)	
	Total Item A - S	714,787	653,279	61,508	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	(21,567)	40,472	(62,039)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	(9,606)	0	(9,606)	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	298	0	298	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	22,895	0	22,895	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	223,551	184,111	39,440	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	19,659	0	19,659	
1202-32	Lexington Operations Center	141,307	0	141,307	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	0	0	
1232-3	Northern Division Connection	0	350,000	(350,000)	Project was delayed.
1202-19	Leestown Road	3,955	0	3,955	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	380,492	574,583	(194,091)	
	Total Company Expenditures	1,095,279	1,227,862	(132,583)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Apr-11	Apr-11	Difference	Note
DV	Developer/Governmental Contributions	90,479	306,000	(215,521)	
A	Mains - New	0	0	0	
B	Mains - Replaced/Restored	5,416	65,000	(59,584)	
C	Mains - Unscheduled	13,279	14,000	(721)	
D	Mains - Relocated	2,176	100,000	(97,824)	
E	Hydrants, Valves, and Manholes - New	2,437	4,000	(1,563)	
F	Hydrants, Valves, and Manholes - Replaced	13,049	13,000	49	
G	Services and Laterals - New	54,606	90,000	(35,394)	
H	Services and Laterals - Replaced	70,161	96,160	(25,999)	
I	Meters - New	17,311	103,196	(85,885)	
J	Meters - Replaced	1,480,464	214,092	1,266,372	Variance is due to accelerated purchase of meters for replacement project.
K	ITS Equipment and Systems	20,189	20,520	(331)	
L	SCADA Equipment and Systems	0	30,000	(30,000)	
M	Security Equipment and Systems	2	0	2	
N	Offices and Operations Centers	181,861	0	181,861	
O	Vehicles	41,480	288,000	(246,520)	
P	Tools and Equipment	1,240	20,000	(18,760)	
Q	Process Plant Facilities and Equipment	2,891	246,000	(243,109)	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	28,000	(28,000)	
	Subtotal	1,997,041	1,637,968	359,073	
	Less Item DV	90,479	306,000	(215,521)	
	Total Item A - S	1,906,561	1,331,968	574,593	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	16,301	40,472	(24,171)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	88	0	88	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	(0)	0	(0)	
	Non-budgeted IP's	(612)	0	(612)	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(55,659)	0	(55,659)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	189,686	185,335	4,351	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	50,558	0	50,558	
1202-32	Lexington Operations Center	36,451	0	36,451	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	70,000	(70,000)	
1232-3	Northern Division Connection	0	450,000	(450,000)	Project was delayed.
1202-19	Leestown Road	5,522	100,000	(94,478)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	242,335	845,807	(603,472)	
	Total Company Expenditures	2,148,896	2,177,775	(28,879)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	May-11	May-11	Difference	Note
DV	Developer/Governmental Contributions	84,416	338,000	(253,584)	
A	Mains - New	0	40,000	(40,000)	
B	Mains - Replaced/Restored	133,146	165,000	(31,854)	
C	Mains - Unscheduled	13,041	18,000	(4,959)	
D	Mains - Relocated	20,441	125,000	(104,559)	
E	Hydrants, Valves, and Manholes - New	5,000	12,000	(7,000)	
F	Hydrants, Valves, and Manholes - Replaced	12,460	14,000	(1,540)	
G	Services and Laterals - New	40,574	97,375	(56,801)	
H	Services and Laterals - Replaced	64,620	122,200	(57,580)	
I	Meters - New	16,123	107,441	(91,318)	
J	Meters - Replaced	157,206	300,876	(143,670)	
K	ITS Equipment and Systems	88	21,000	(20,912)	
L	SCADA Equipment and Systems	145	29,000	(28,855)	
M	Security Equipment and Systems	2	0	2	
N	Offices and Operations Centers	53,672	0	53,672	
O	Vehicles	122,446	0	122,446	
P	Tools and Equipment	4,592	43,000	(38,408)	
Q	Process Plant Facilities and Equipment	126,771	96,000	30,771	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	0	23,000	(23,000)	
	Subtotal	854,743	1,551,892	(697,149)	
	Less Item DV	84,416	338,000	(253,584)	
	Total Item A - S	770,328	1,213,892	(443,564)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	0	40,472	(40,472)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	59,387	0	59,387	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	47,768	0	47,768	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	236,421	186,567	49,854	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	61,337	0	61,337	
1202-32	Lexington Operations Center	6,826	0	6,826	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	125,000	(125,000)	
1232-3	Northern Division Connection	0	500,000	(500,000)	Project was delayed.
1202-19	Leestown Road	9,459	225,000	(215,541)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	421,198	1,077,039	(655,841)	
	Total Company Expenditures	1,191,525	2,290,931	(1,099,406)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Jun-11	Jun-11	Difference	Note
DV	Developer/Governmental Contributions	99	357,000	(356,901)	
A	Mains - New	0	90,000	(90,000)	
B	Mains - Replaced/Restored	193,759	210,000	(16,241)	
C	Mains - Unscheduled	12,180	18,000	(5,820)	
D	Mains - Relocated	28,967	150,000	(121,033)	
E	Hydrants, Valves, and Manholes - New	(0)	82,000	(82,000)	
F	Hydrants, Valves, and Manholes - Replaced	32,861	23,000	9,861	
G	Services and Laterals - New	42,187	108,125	(65,938)	
H	Services and Laterals - Replaced	42,819	144,240	(101,421)	
I	Meters - New	13,056	116,732	(103,676)	
J	Meters - Replaced	1,607,160	255,585	1,351,575	accelerated spend for meter replacement project
K	ITS Equipment and Systems	72,879	20,250	52,629	
L	SCADA Equipment and Systems	1,350	25,025	(23,675)	
M	Security Equipment and Systems	14,028	0	14,028	
N	Offices and Operations Centers	71,359	20,000	51,359	
O	Vehicles	0	0	0	
P	Tools and Equipment	205	45,000	(44,795)	
Q	Process Plant Facilities and Equipment	31,695	97,000	(65,305)	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	33,717	10,000	23,717	
	Subtotal	2,198,321	1,771,957	426,364	
	Less Item DV	99	357,000	(356,901)	
	Total Item A - S	2,198,222	1,414,957	783,265	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	44,278	30,382	13,896	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	0	0	0	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	(59,389)	0	(59,389)	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	(2,100)	0	(2,100)	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	313,584	246,856	66,728	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	10,806	0	10,806	
1202-32	Lexington Operations Center	9,543	0	9,543	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	175,000	(175,000)	
1232-3	Northern Division Connection	0	550,000	(550,000)	Project was delayed.
1202-19	Leestown Road	12,726	250,000	(237,274)	
1202-22	KRS Raw Water Transfer	0	75,000	(75,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	329,449	1,327,238	(997,789)	
	Total Company Expenditures	2,527,671	2,742,195	(214,524)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Jul-11	Jul-11	Difference	Note
DV	Developer/Governmental Contributions	114,692	470,000	(355,308)	
A	Mains - New	0	129,000	(129,000)	
B	Mains - Replaced/Restored	148,870	170,000	(21,130)	
C	Mains - Unscheduled	16,925	13,000	3,925	
D	Mains - Relocated	50,487	175,000	(124,513)	
E	Hydrants, Valves, and Manholes - New	20,000	76,000	(56,000)	
F	Hydrants, Valves, and Manholes - Replaced	14,430	24,000	(9,570)	
G	Services and Laterals - New	43,573	121,125	(77,552)	
H	Services and Laterals - Replaced	43,901	121,200	(77,299)	
I	Meters - New	164,077	117,532	46,545	
J	Meters - Replaced	131,376	286,710	(155,334)	
K	ITS Equipment and Systems	49,293	20,000	29,293	
L	SCADA Equipment and Systems	2,244	15,000	(12,756)	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	52,265	20,000	32,265	
O	Vehicles	18,194	0	18,194	
P	Tools and Equipment	15,126	33,000	(17,874)	
Q	Process Plant Facilities and Equipment	113,769	97,000	16,769	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	62,078	15,000	47,078	
	Subtotal	1,061,300	1,903,567	(842,267)	
	Less Item DV	114,692	470,000	(355,308)	
	Total Item A - S	946,608	1,433,567	(486,959)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	(26,020)	0	(26,020)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	1,643	150,000	(148,358)	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	2	0	2	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	37,713	0	37,713	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	289,167	263,875	25,292	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	17,958	0	17,958	
1202-32	Lexington Operations Center	18,988	0	18,988	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	195,000	(195,000)	
1232-3	Northern Division Connection	0	550,000	(550,000)	Project was delayed.
1202-19	Leestown Road	6,843	300,000	(293,157)	Project was delayed.
1202-22	KRS Raw Water Transfer	0	100,000	(100,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	346,293	1,558,875	(1,212,582)	
	Total Company Expenditures	1,292,901	2,992,442	(1,699,541)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Aug-11	Aug-11	Difference	Note
DV	Developer/Governmental Contributions	219,408	485,000	(265,592)	
A	Mains - New	0	160,000	(160,000)	
B	Mains - Replaced/Restored	253,783	120,000	133,783	
C	Mains - Unscheduled	52,987	23,000	29,987	
D	Mains - Relocated	82,047	150,000	(67,953)	
E	Hydrants, Valves, and Manholes - New	1,542	7,000	(5,458)	
F	Hydrants, Valves, and Manholes - Replaced	91,583	19,000	72,583	
G	Services and Laterals - New	65,756	114,125	(48,369)	
H	Services and Laterals - Replaced	57,789	125,200	(67,411)	
I	Meters - New	19,171	119,132	(99,961)	
J	Meters - Replaced	136,081	244,682	(108,601)	
K	ITS Equipment and Systems	(17,356)	37,200	(54,556)	
L	SCADA Equipment and Systems	203,945	0	203,945	
M	Security Equipment and Systems	0	0	0	
N	Offices and Operations Centers	21,740	20,000	1,740	
O	Vehicles	88,270	227,000	(138,730)	
P	Tools and Equipment	24,451	2,000	22,451	
Q	Process Plant Facilities and Equipment	134,780	97,000	37,780	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	74,974	10,000	64,974	
	Subtotal	1,510,951	1,960,339	(449,388)	
	Less Item DV	219,408	485,000	(265,592)	
	Total Item A - S	1,291,543	1,475,339	(183,796)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	102,446	0	102,446	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	2,381	225,000	(222,619)	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	(79,167)	0	(79,167)	
	Non-budgeted IP's	(72,747)	0	(72,747)	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	42,855	0	42,855	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	362,268	264,254	98,014	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	5,299	0	5,299	
1202-32	Lexington Operations Center	6,503	0	6,503	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	200,000	(200,000)	
1232-3	Northern Division Connection	0	550,000	(550,000)	Project was delayed.
1202-19	Leestown Road	8,797	300,000	(291,203)	Project was delayed.
1202-22	KRS Raw Water Transfer	0	25,000	(25,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	378,635	1,564,254	(1,185,619)	
	Total Company Expenditures	1,670,178	3,039,593	(1,369,415)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
Budget		Actual	Per 2010-00036		
Item	Description	Sep-11	Sep-11	Difference	Note
DV	Developer/Governmental Contributions	255,231	590,000	(334,769)	
A	Mains - New	0	120,000	(120,000)	
B	Mains - Replaced/Restored	278,382	75,000	203,382	
C	Mains - Unscheduled	85,303	18,000	67,303	
D	Mains - Relocated	60,581	75,000	(14,419)	
E	Hydrants, Valves, and Manholes - New	7,298	4,000	3,298	
F	Hydrants, Valves, and Manholes - Replaced	9,978	23,000	(13,022)	
G	Services and Laterals - New	31,103	120,125	(89,022)	
H	Services and Laterals - Replaced	63,400	169,280	(105,880)	
I	Meters - New	26,033	118,332	(92,299)	
J	Meters - Replaced	122,220	233,607	(111,387)	
K	ITS Equipment and Systems	38,608	15,000	23,608	
L	SCADA Equipment and Systems	61,608	0	61,608	
M	Security Equipment and Systems	0	10,000	(10,000)	
N	Offices and Operations Centers	78,100	20,000	58,100	
O	Vehicles	116,258	0	116,258	
P	Tools and Equipment	2,000	0	2,000	
Q	Process Plant Facilities and Equipment	60,010	97,000	(36,990)	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	65,000	10,000	55,000	
	Subtotal	1,361,113	1,698,344	(337,231)	
	Less Item DV	255,231	590,000	(334,769)	
	Total Item A - S	1,105,882	1,108,344	(2,462)	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	(138,954)	0	(138,954)	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	5,000	225,000	(220,000)	
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	0	0	0	
	Non-budgeted IP's	72,747	0	72,747	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	26,956	0	26,956	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	461,795	264,292	197,503	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	80,479	0	80,479	
1202-32	Lexington Operations Center	9,339	0	9,339	
1202-17	South Limestone Replacement	0	0	0	
1202-31	KRS Raw Water Access	0	185,000	(185,000)	
1232-3	Northern Division Connection	0	400,000	(400,000)	Project was delayed.
1202-19	Leestown Road	29,729	225,000	(195,271)	
1202-22	KRS Raw Water Transfer	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	547,090	1,299,292	(752,202)	
	Total Company Expenditures	1,652,972	2,407,636	(754,664)	

Kentucky American Water					
Comparison of Capital Expenditures					
Actual Vs. Case No. 2010-00036					
		YTD	YTD		
Budget		Actual	Per 2010-00036		
Item	Description	Sep-11	Sep-11	YTD	
DV	Developer/Governmental Contributions	1,168,319	3,691,000	(2,522,681)	
A	Mains - New	35,128	539,000	(503,872)	
B	Mains - Replaced/Restored	1,070,467	880,000	190,467	
C	Mains - Unscheduled	225,276	171,000	54,276	
D	Mains - Relocated	251,057	865,000	(613,943)	
E	Hydrants, Valves, and Manholes - New	81,691	193,000	(111,309)	
F	Hydrants, Valves, and Manholes - Replaced	230,517	172,000	58,517	
G	Services and Laterals - New	424,217	841,325	(417,108)	
H	Services and Laterals - Replaced	473,205	1,112,840	(639,635)	
I	Meters - New	353,598	928,121	(574,523)	
J	Meters - Replaced	3,731,206	1,768,277	1,962,929	Spend was accelerated for replacement project.
K	ITS Equipment and Systems	189,474	162,840	26,634	
L	SCADA Equipment and Systems	272,324	119,025	153,299	
M	Security Equipment and Systems	51,694	10,000	41,694	
N	Offices and Operations Centers	505,741	80,000	425,741	
O	Vehicles	498,532	515,000	(16,468)	
P	Tools and Equipment	58,473	172,000	(113,527)	
Q	Process Plant Facilities and Equipment	1,123,397	840,000	283,397	
R	Capitalized Tank Rehabilitation/Painting	0	0	0	
S	Engineering Studies	250,794	100,000	150,794	
	Subtotal	10,995,110	13,160,428	(2,165,318)	
	Less Item DV	1,168,319	3,691,000	(2,522,681)	
	Total Item A-S	9,826,791	9,469,428	357,363	
12020201	Leestown Road Main Improvements	0	0	0	
12020204	Source of Supply Project Development	0	0	0	
12020402	Major Highway Relocations	0	0	0	
12020505	Replace Trac-Vac System at RRS	0	0	0	
12020506	Sludge Handling Improvements	0	0	0	
12020508	Reliability Improvements	0	0	0	
12020602	Yarnallton Road Main	0	0	0	
12020607	New WTP on Pool 3 of Kentucky River	230,879	200,000	30,879	
12020702	Major Highway Relocations	0	0	0	
12300403	Owen County Main Extensions	0	0	0	
12320507	Owenton Acquisition Water	0	0	0	
1202-6	Carrick Pike Main Extension	175	600,000	(599,825)	Project was delayed.
12020701	Incline Car Replacement @KRS	0	0	0	
1202-5	North Broadway Main Replacement	(79,167)	0	(79,167)	
	Non-budgeted IP's	990	0	990	
1232-1	Owenton Bulk Storage	0	0	0	
1201-10	Unallocated Eng Clearing	124,465	0	124,465	
12020501	Ground Storage Tank	0	0	0	
1201-1	Business Transformation	0	0	0	
1201-3	Business Transformation	2,471,302	1,958,162	513,140	
1201-4	Business Transformation	0	0	0	
1202-18	US 25 Relocation	117,546	0	117,546	
1202-32	Lexington Operations Center	124,808	0	124,808	
1202-17	South Limestone Replacement	(108)	0	(108)	
1202-31	KRS Raw Water Access	0	950,000	(950,000)	Project was delayed.
1232-3	Northern Division Connection	0	3,800,000	(3,800,000)	Project was delayed.
1202-19	Leestown Road	86,450	1,400,000	(1,313,550)	Project was delayed.
1202-22	KRS Raw Water Transfer	0	200,000	(200,000)	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Reserved	0	0	0	
	Total IP's	3,077,340	9,108,162	(6,030,822)	
	Total Company Expenditures	12,904,131	18,577,590	(5,673,459)	

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Linda C. Bridwell**

96. Refer to Kentucky-American's Application, Exhibit 37, Schedule B-5 at 1 -2, "Working Capital Lead Lag Study." Provide a schedule that compares the lead/lag days in this study to the lead/lag days used by Kentucky-American in Case No. 2010-00036. Explain each variance in the lead/lag days.

Response:

Please see the attachment. An explanation of the more significant variances:

The Date Expenses Incurred and Date of Payment variance of 9.08 days is based on the average of the expenses that are explained in the following paragraphs.

The Waste Disposal variance of 13.45 days is due to the inclusion of a full month service period in to the calculation for the current case as compared with the prior case that used only the invoice date.

The Contracted Services, Other Benefits, Office Supplies and Services, Employee Related Exp Travel & Ent variances used to be part of Other Operating Expenses. The Other Operating Expenses variances are due to the current sample including more invoices relating to shorter service periods than the sample of invoices of the prior case.

The Group Insurance variance of 6.17 days is due to the current case monthly payments being made a few days later than in the prior case.

The Pension variance of 9.87 days is the result of an additional funding payment made towards the end of 2011, beyond the standard four quarterly payments of the prior case.

The Insurance Other Than Group variance of -41.68 days is due to the inclusion of annual prepayments to the current sample that were not included in the prior sample, where only the quarterly payments were provided.

The Payroll Tax variances are the result of the change to have ADP handle the Company's payroll tax filing, where the Company pays ADP on the payroll cycle, rather than the authorities on the statutory due date.

The Income Tax variances are the result of incorrectly grouping together the State and Federal statutory dates with different time periods in the prior case, versus appropriately separating them in the current case.

Kentucky American Water
 Case No. 2012-00520
 Commission Staff's Second Request for Information, Number 96
 Lead/Lag Study - Lag Day Comparison to Prior Case

Line No.	Description (2012 Case)	Description (2010 Case)	2012-00520		2010-00036		Diff Days	Diff %
			Expense	Lag (Lead) Days	Expense	Lag (Lead) Days		
1	Date Service Furnished and Date Collections Deposited	Date Service Furnished and Date Collections Deposited						
2	Date Expenses Incurred and Date of Payment	Date Expenses Incurred and Date of Payment	39.07	36.84	2.23	5.7%		
3	Salaries & Wages	Salaries & Wages	27.90	18.82	9.08	32.5%		
4	Fuel & Power and Electric	Fuel & Power and Electric	12.00	12.00	0.00	0.0%		
5	Chemicals	Chemicals	28.09	30.44	(2.35)	-8.4%		
6	Purchased Water	Purchased Water	31.76	27.38	4.38	13.8%		
7	Waste Disposal	Waste Disposal	48.44	46.34	2.10	4.3%		
8	Service Company Charges	Service Company Charges	34.18	20.73	13.45	39.4%		
9	Contracted Services	Service Company Charges	(9.56)	(10.81)	1.25	-13.1%		
10	Group Insurance	Other Operating Expenses	27.56	42.29	(14.73)	-53.4%		
11	Opeb	Group Insurance	(7.40)	(13.57)	6.17	-83.5%		
12	Other Benefits	Opeb	(1.56)	(1.39)	(0.17)	10.8%		
13	Pensions	Other Operating Expenses	27.56	42.29	(14.73)	-53.4%		
14	Insurance Other than Group	Pensions	8.48	(1.39)	9.87	116.4%		
15	Rents	Insurance Other than Group	(76.06)	(34.38)	(41.68)	54.8%		
16	Regulatory Expense	Rents	(28.21)	(29.37)	1.16	-4.1%		
17	Maintenance Service & Supplies	Regulatory Expense	0.00	16.63	(16.63)	0.0%		
18	Amortization	Maintenance Expense, excl Amorts	32.07	30.51	1.56	4.9%		
19	Uncollectibles	Amortization	0.00	0.00	0.00	0.0%		
20	Office Supplies & Services	Uncollectibles	0.00	0.00	0.00	0.0%		
21	Employee Related Exp, Travel & Ent	Other Operating Expenses	12.04	42.29	(30.25)	-251.3%		
22	Other Operating Expenses	Other Operating Expenses	12.04	42.29	(30.25)	-251.3%		
23		Other Operating Expenses	27.56	42.29	(14.73)	-53.4%		
24								
25	Depreciation and Amortization	Depreciation and Amortization	0.00	0.00	0.00	0.0%		
26	Property Taxes	Property Taxes	189.73	165.85	23.88	12.6%		
27	Utility Tax	Utility Tax	(178.27)	(182.00)	3.73	-2.1%		
28	Payroll Taxes	Payroll Tax - FUTA	12.00	49.80	(37.80)	-315.0%		
29		Payroll Tax - SUTA	12.00	47.17	(35.17)	-293.1%		
30		Payroll Tax - FICA	12.00	11.54	0.46	3.8%		
31	Income Taxes - Current - SIT	Income Taxes - Current - SIT	52.00	29.64	22.36	43.0%		
32	Income Taxes - Current - FIT	Income Taxes - Current - FIT	36.74	29.64	7.10	19.3%		
33	Deferred Income Taxes	Deferred Income Taxes	0.00	0.00	0.00	0.0%		
34	Interest Expense - Long-Term Debt	Interest Expense - Long-Term Debt	90.01	90.55	(0.54)	-0.6%		
35	Interest Expense - Short-Term Debt	Interest Expense - Short-Term Debt	15.21	14.31	0.90	5.9%		
36	Preferred Dividends	Preferred Dividends	47.75	45.88	1.87	3.9%		
37	Net Income	Net Income	0.00	0.00	0.00	0.0%		

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Scott Rungren**

97. For the forecasted period provide a tax basis depreciation schedule that lists separately the balances for each plant account, tax basis accumulated depreciation, and tax basis depreciable lives.

Response:

Please see the supporting KY workpapers found in
KAW_R_PSCSR1_NUM03_012313_WP-6, pages 23-36 of 48.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Linda C. Bridwell**

98. Refer to Kentucky-American's Application, Exhibit 37, Schedule E at 4, "Federal Income Taxes at Present Rates for the Forecast Period."
- a. Confirm if the Allowance for Funds used during Construction ("AFUDC") has been removed from the reported operating revenue at current rates of \$83,666,204.
 - b. Explain if Kentucky-American's treatment of AFUDC in the calculation of the current income taxes conforms to the treatment of AFUDC in the income tax calculation in Case No. 2010-00036.
 - c. Confirm if the forecasted interest expense of \$12,710,004 was calculated by applying the weighted cost-of-debt to the forecasted rate base.

Response:

- a. Yes, AFUDC has been removed from the reported operating revenue at current rates of \$83,666,204.
- b. The company's treatment of AFUDC in the income tax calculation differs from the treatment in 2010-00036. Please see the attachment for explanation.
- c. The forecasted interest expense was not calculated based upon applying the weighted cost-of-debt to the forecasted rate base. Please see the attachment for the reconciliation.

KAW_R_PSCDR2_NUM98
Attachment #1

Methodology used in Case No. 2010-00036 for AFUDC in Income Tax Calculation:

Included AFUDC Per Books in Operating Revenues
Included Difference in AFUDC Per Books and Tax AFUDC in Adjustments to Taxable Income
Resulting amount included in Taxable Income used to calculate Income Tax Expense for recovery is equal to Tax AFUDC.

Methodology used in current case for AFUDDC in Income Tax Calculation:

Excluded AFUDC Per Books in Operating Revenues
Excluded any difference in AFUDC Per Books and Tax AFUDC in Adjustments to Taxable Income
No resulting amount is included in Taxable Income used to calculate Income Tax Expense for recovery.

To Synchronize the methodology that was used Case No. 2010-00036 the following should be included in the current case:

Add AFUDC Per Books in Operating Revenues of... \$491,629
Included Difference in AFUDC Per Books and Tax AFUDC in Adjustments to Taxable Income of... (\$463,653)
Resulting amount of Tax AFUDC included in Taxable income \$27,976

INTEREST EXPENSE SYNCHRONIZATION

13 Month Forecasted Rate Base \$385,994,705

(Exhibit 37, Schedule B-1)

Capital Structure & Forecasted Interest Expense

(Exhibit 37, Schedule J-1.1)

	Capital Percentages	Forecasted Balances Percent of Rate Base	Cost Rate	Forecasted Interest Expense
Short-Term Debt	2.041%	\$7,878,152	0.810%	\$63,813
Long-Term Debt	52.037%	\$200,860,065	6.140%	\$12,332,808
Preferred Stock	1.168%	\$4,508,418	8.520%	\$384,117
Common Equity	44.754%	\$172,748,070		
	100.000%	\$385,994,705		\$12,780,738

Forecasted Interest Expense per Tax Calculation

(Exhibit 37, Schedule E-1.3)

\$12,710,004

Variance

\$70,734

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Gary M. VerDouw

99. Refer to Direct Testimony of Gary M. VerDouw at 13. Explain how water main breaks involving aging infrastructure may result in fish kills.

Response:

Water must be treated with disinfection methods to provide safe drinking water. Drinking water disinfected with chlorine or chloramines (a mix of chlorine and ammonia) in concentrations allowed by the Safe Drinking Water Act while safe for humans can be lethal to fish, frogs and other aquatic life. A water main break or leak that causes drinking water to enter waterways that support aquatic life can cause a fish kill. Water from main breaks or leaks will generally enter the local stormwater drainage system, which, in most locations discharges without treatment directly into surrounding waterways.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: **Cheryl D. Norton/Keith Cartier/Linda C. Bridwell**

100. a. Provide all written procedures, policies, and guidelines that Kentucky-American currently uses to rank and prioritize the replacement of its aging water mains.
- b. If no written procedures, policies or guidelines exist, describe how Kentucky-American currently prioritizes or ranks the replacement of its aging water mains.

Response:

- a. No formal written procedures or policies are currently used to rank and prioritize the replacement of aging water mains.
- b. KAW currently evaluates and prioritizes water line replacement needs based on multiple criteria including pipe age, material, diameter, joint type, interior lining, exterior protection, number of main breaks, type of breaks water quality, difficulty in repair, cost to repair, hydraulic adequacy, pressure adequacy, fire flow adequacy, type and number of customers impacted by main breaks, coordination with others (utilities), and pipe shut down tolerance. KAW Engineering personnel identify proposed main replacements and meet periodically with the operations personnel to prioritize the main replacements within proposed annual budget spending and potential timing of construction.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

101. Describe all changes, if any, that Kentucky-American would make to its current practices to rank and prioritize the replacement of its aging water mains if the Commission approves Kentucky-American's proposed DISC.

Response:

As part of the ongoing BT effort, KAW will be implementing a GIS system that, along with the recently implemented CMMS program for asset maintenance, will allow KAW to identify, rank and prioritize the replacement of aging water mains in a proactive rather than reactive approach. The practice of using a comprehensive operations team to rank and prioritize the projects would continue. While these efforts will likely occur on a smaller scale even if the Commission does not approve the proposed DSIC, clearly an expanded replacement program will require a more streamlined approach to identifying, ranking and prioritizing main replacements to contain costs and successfully implement a larger program without requiring additional resources.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

102. State Kentucky-American's proposed annual rate of water main replacement (in miles) if the proposed DISC is approved.

Response:

KAW anticipates an annual rate of replacement of between 5 and 9 miles of main depending upon the nature of the selected projects.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

103. State Kentucky-American's proposed annual rate of water main replacement (in miles) if the proposed DISC is not approved.

Response:

KAW anticipates an annual rate of replacement of between 2 and 5 miles of main depending upon the nature of the selected projects.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

104. Refer to Direct Testimony of Lance E. Williams at 11.
- a. Describe the existing electric service arrangement at Jacobson Reservoir Pump Station.
 - b. State the voltages that the existing pumps at Jacobson Reservoir Pump Station require.
 - c. Describe how Projects 112-020025 and IP-1202-36 will improve the efficiency of Jacobson Reservoir Pump Station. State the expected cost savings to be achieved through the two projects.
 - d. Describe the effect of Projects 112-020025 and IP-1202-36 on service reliability.

Response:

- a. Existing electrical service is obtained from Kentucky Utilities Company at a primary voltage of 2300 VAC, three-phase; tariff TODP (Time-of-Day Primary Service).
- b. The existing station pumps were as follows:
 1. RWP 1 – 400 HP, 2300 VAC, three-phase
 2. RWP 2 – 100 HP, 480 VAC, three-phase
 3. RWP 3 – 100 HP, 480 VAC, three-phase

These are being changed to the following:

1. RWP 1 – 250 HP, 480 VAC, three-phase
 2. RWP 2 – 250 HP, 480 VAC, three-phase
 3. RWP 3 – 250 HP, 480 VAC, three-phase
- c. Based on recent field tests, the existing raw water pumps have wire-to-water efficiencies of: 63%, 58%, and 57%. The wire-to-water efficiencies of the new pumps and motors is projected at 84% for each pump, according to manufacturer's data. These improved pump efficiencies are expected to yield an electrical cost savings of approximately \$14,000 per year, depending upon how often the pump station is operated.

- d. This project is expected to improve service reliability due to the replacement of aged and deteriorated pumps; the replacement of corroded electrical switchgear; and the replacement of an aged chemical feed system.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

105. Refer to Direct Testimony of Lance E. Williams at 11-13. For each project listed, provide:
- a. The priority or ranking placed on the project;
 - b. A breakdown of the components of the project cost;
 - c. A description of how Kentucky-American arrived at the project cost;
 - d. If a request for bids for the project has been issued, each bid submitted in response to the request; and,
 - e. The current status of the project.

Response:

- a. Investment projects have not been identified with a formal priority or ranking.
- b. Please refer to the attachment.
- c. Please refer to the attachment.
- d. Please refer to the attachment. Bid tabulations contain confidential information. Therefore, the Company has filed a Petition for Confidential Treatment contemporaneously with these responses. The Company will provide copies of the requested documents to all parties in this case upon execution of an appropriate confidentiality agreement.
- e. Please refer to the attachment.

Kentucky American Water Case Number 2012-00520 No. 105		Description of how KAW arrived at the project cost						
No.	Description	Priority	Breakdown of project cost components	project cost	Bids	Project Status		
IP-12-020010	Leestown Road	None Assigned	See Attachment	Through Design and Bidding	See Attachments	Designed and Bid		
IP-12-020025	Pump Efficiency Replacement Phase	None Assigned	See Attachment	A Request for Proposal (RFP) was submitted to Design/Build (D/B) teams. The awarded D/B team helped establish costs based on a design concept.	No Bid - Design/Build RFP	90% Design		
IP-12-300003	Northern Division Connection	None Assigned	See Attachment	Through Design and Bidding	See Attachments	Awaiting PSC Approval		
IP-12-020031	Todds and Cleveland Road Main Extension	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-10	KRS Clearwell Improvements	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-11	I-75 Main Extension	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-13	Greenwich Road Main Extension	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-16	North Upper Street Main Replacement	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-20	KY Major Highway	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-23	RRS Carbon and Pre-Chlorine Feed	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-27	KRS Hydrotreater Valve and Flow Meter	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		
IP-1202-39	Pump Efficiency Replacement	None Assigned	No Breakdown	Preliminary Engineering Estimate	No Bid	Planning		

Leestown Road Project Cost Components

Design/Permitting/Easements	\$50,699.00
Implementation/Construction	\$1,513,212.00
AFUCG/Overhead	\$209,358.00
Total	\$1,773,269.00

Pump Efficiency Replacement Phase Project Cost Components

Constuction (at 60% Design)	\$2,515,794.37
Design/Build Fees	\$628,700.00
AFUCG/Overhead	\$75,000.00
Total	\$3,219,494.37

Northern Division Connection Project Cost Components

Design/Permitting/Easements	\$688,208.00
Implementation/Construction	\$12,223,696.00
AFUCG/Overhead	\$1,192,964.00
Total	\$14,104,868.00

TABULATION OF BIDS

A large black rectangular redaction covers the entire central and lower portion of the page, obscuring all content that would otherwise be present in the 'TABULATION OF BIDS' section.

**PIPELINE BID DOCUMENTS
AND SPECIFICATIONS**

BASE BID UNIT COST BASIS

Prepared By:

**AMERICAN WATER WORKS SERVICE COMPANY, INC.
SYSTEM ENGINEERING
1025 LAUREL OAK ROAD
VOORHEES, NEW JERSEY 08043**

December, 1990

Revised By:

KENTUCKY AMERICAN WATER

**August, 1991
August, 1994
October, 1994**

**Re: IP-1202-19: Leestown Road Relocation; WO #515762
16, 12, 8, & 6-inch DI main, Fire Hydrants**

AGREEMENT

THIS AGREEMENT is dated as of the _____ day of _____ in the year 20____ by and between KENTUCKY AMERICAN WATER (hereinafter called OWNER) and DIX & ASSOCIATES PIPELINE CONTRACTORS, INC. (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1. **WORK**

CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: 16-inch main installation project for the relocation of existing mains along Leestown Road between New Circle Road and Masterson Station Park in Lexington, Kentucky.

Article 2. **ENGINEER**

ENGINEER for the Project is KENTUCKY-AMERICAN WATER and who is to act as OWNER's representative, assume all duties and responsibilities and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

Article 3. **CONTRACT TIMES**

3.1 The Work will be substantially completed within **150** calendar days from the date when the Contract times commences to run as provided in Paragraph 2.3 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.13 of the General Conditions within **180** calendar days from the date when the Contract Times commences to run.

3.2 Liquidated Damages: OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed within the times specified in Paragraph 3.1 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. They also recognize the delays, expense and difficulties involved in providing in a legal or arbitration proceeding the actual loss suffered by OWNER if the Work is not completed on time.

Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER _____ dollars (**\$N/A**) for each day that expires after the times specified in Paragraph 3.1 for Substantial Completion until the Work is substantially complete. After Substantial Completion if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the Contract Times or any

Supplementary Conditions as provided in Paragraph 4.2 of the General Conditions, and accepts the limitations set forth in Article 4, Section 4.2 of the General Conditions.

6.3 CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports and studies (in addition to or to supplement those referred to in Paragraph 6.2 above) which pertain to the subsurface or physical conditions at or contiguous to the site or otherwise which may affect the cost, progress, performance or furnishing of the Work as CONTRACTOR considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.2 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or will be required by CONTRACTOR for such purposes.

6.4 CONTRACTOR has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or will be required by CONTRACTOR in order to perform and furnish the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.3 of the General Conditions.

6.5 CONTRACTOR has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

6.6 CONTRACTOR has given ENGINEER written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

Article 7. **CONTRACT DOCUMENTS**

The Contract Documents, which comprise the entire agreement between OWNER and CONTRACTOR concerning the Work, consist of the following:

- 7.1 This Agreement (pages 1 to 5, inclusive)
- 7.2 Contractors Bid Sheet
- 7.3 Performance and other Bonds, identified as exhibits A, B and C and consisting of 7 pages (if applicable)
- * 7.4 Notice of Award
- * 7.5 General Conditions (Document Identification 12/90-PIPELINE, pages GC-0 to GC-29, inclusive)

- * 7.6 Supplementary Conditions
 - * 7.7 Specifications Special Conditions
 - * 7.8 Specifications, Document Identification 12/90-Pipeline
 - 7.9 Work Order Sketch
 - 7.10 Addenda numbers ____ to ____, inclusive (if applicable)
 - 7.11 The following which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto: All Written Amendments and other documents amending, modifying, or supplementing the Contract Documents pursuant to paragraphs 3.5 and 3.6 of the General Conditions.
 - 7.12 The documents listed in Paragraphs 7.2 et seq. above are attached to this Agreement (except as expressly noted otherwise above).
 - 7.13 CONTRACTOR's Certificate of Insurance
 - 7.14 Release of Liens
- ❖ As previously received by CONTRACTOR.

There are no Contract Documents other than those listed above in this Article 7. The Contract Documents may only be amended, modified or supplemented as provided in Paragraphs 3.4 and 3.5 of the General Conditions.

Article 8. MISCELLANEOUS

- 8.1 Terms used in this Agreement, which are defined in Article 1 of the General Conditions, will have the meaning indicated in the General Conditions.
- 8.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assigned from any duty of responsibility under the Contract Documents.
- 8.3 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.
- 8.4 OWNER has amended its Standard Pipeline Documents to require a guaranty and warranty, and a correction of defective work, of two years instead of one year. Notwithstanding any provision in any other document, CONTRACTOR agrees that it will

provide such guaranty and warranty and will correct defective work for a two-year period after substantial completion of any work performed under this Agreement.

Article 9. OTHER PROVISIONS

9.1 Government Regulations

The following clauses, where applicable, are incorporated in this Agreement by reference as is fully set out; the Equal Opportunity Clause prescribed in 41 CFR 60-1.40, the Affirmative Action Clause prescribed in 41 CFR 60-205.4, regarding veterans and veterans of the Vietnam Era, and the Affirmative Action Clause for handicapped Workers prescribed in 41 CFR 60-741.4.

CONTRACTOR accepts this Agreement and will supply any information relating to federal or state laws, rules or regulations relating to the above.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNER and CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or by ENGINEER on their behalf.

This Agreement will be effective on _____, 20_____.

OWNER:

CONTRACTOR:

KENTUCKY AMERICAN WATER

DIX & ASSOC. PIPELINE CONTRACTORS, INC.

By: _____

By: _____

Attest _____

Attest _____

Address for giving notices:

2300 Richmond Road
Lexington, Kentucky 40502

Address for giving notices:

210 Industry Road
Nicholasville, KY 40356

License No. _____

Agent for service of process:

(If CONTRACTOR is a corporation,
attached evidence of authority to sign.)

BID

PROJECT IDENTIFICATION: IP-1202-19; WO #515762 *IP-12-020010 ; IP-12-020010-01A-D30*

THIS BID IS SUBMITTED TO: Mr. Jason M. Hurt, Engineering Project Manager
Kentucky American Water
2300 Richmond Road
Lexington, Kentucky 40502

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty days after the day of Bid opening. Bidder will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within fifteen days after the date of OWNER's Notice of Award.

3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement:

(a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

Date

Number

(b) Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the work.

(c) Bidder has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in Paragraph 4.2 of the General Conditions, and accepts the determination set forth in Paragraph GC-4.2.2 of the General Conditions, as may be amended by the Supplemental Conditions, of the extent the technical data contained in such reports and drawings upon which Bidder is entitled to rely.

(d) Bidder has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.2 of the General Conditions; and no additional examinations, investigations, exploration, tests, reports or similar information or data are or will be required by Bidder for such purposes.

(e) Bidder has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by Bidder in order to perform and furnish the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of Paragraph 4.3 of the General Conditions.

(f) Bidder has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

(g) Bidder has given ENGINEER written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to Bidder.

(h) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

4. Bidder will complete the Work for the price(s) shown.

Where materials are furnished by the OWNER, the prices provided herein are for installation only; otherwise, the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the contractor for actual work completed. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 1075 – Basis of Payment.

1.	7843'	LF 16" DI Pipe Installation	48 55	per LF	\$ 380,777 65
2.	730'	LF 12" DI Pipe Installation	37 95	per LF	\$ 27,703 50
3.	1141'	LF 8" DI Pipe Installation	30 25	per LF	\$ 34,515 25
4.	180'	LF 6" DI Pipe Installation	18 45	per LF	\$ 3,321 00
5.	5'	LF 4" DI Pipe Installation	24 00	per LF	\$ 120 00
6.	15'	2" PVC Pipe Installation	12 50	per LF	\$ 187 50
7.	75'	24" Steel Casing (Bore & Jack)	315 65	per LF	\$ 23,688 75
8.	276'	24" Steel Casing (Open Cut)	162 55	per LF	\$ 44,701 25
9.	125'	20" Steel Casing (Bore & Jack)	275 45	per LF	\$ 34,431 25
10.	154'	20" Steel Casing (Open Cut)	151 95	per LF	\$ 23,400 30
11.	371'	16" Steel Casing (Bore & Jack)	198 25	per LF	\$ 73,530 75
12.	249'	16" Steel Casing (Open Cut)	146 25	per LF	\$ 36,416 25
13.	65'	12" Steel Casing (Bore & Jack)	142 25	per LF	\$ 7,823 75
14.	75'	12" Steel Casing (Open Cut)	89 45	per LF	\$ 6,708 75
16.	6	16" Cap & Block	2,550 00	Each	\$ 15,300 00
16.	2	12" Cap & Block	2,150 00	Each	\$ 4,300 00
17.	12	8" Cap & Block	1,250 00	Each	\$ 15,000 00
18.	3	6" Cap & Block	1,050 00	Each	\$ 3,150 00
19.	1	2" Cap & Block	550 00	Each	\$ 550 00
20.	2	PIV Installation	895 00	Each	\$ 1,790 00
21.	1	Fire Service Vault	11,500 00	Each	\$ 11,500 00
22.	4	Fire Hydrant Installation (Includes all pipe from Tap/Tee to Hydrant)	1,250 00	Each	\$ 5,000 00
23.	5235'	Silt Fence	1 95	per LF	\$ 10,208 25
TOTAL OF PRICES					\$ 764,144 20

Special Instructions:

Water use: \$340 ±

Quantities are not guaranteed. Final payment will be based on actual quantities.

5. Bidder agrees that the Work will be substantially complete within **150** calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.3 of the General Conditions, and completed and ready for final payment within **180** calendar days after the date when the Contract Times commence to run.

Bidder accepts the provision of the Agreement as to liquidated damages in the event of failure to complete the Work on time.

6. The following documents are attached to and made a condition of this Bid (if applicable):

- a) Required Bid Security in the form of a Bid Bond.
- b) A tabulation of subcontractors, suppliers and other persons and organizations required to be identified in this Bid, if required by Paragraph 6.8.2 of the Supplementary Conditions.
- c) Evidence of Bidder's qualification to do business in the State where the project is located.
- d) Bidder's contractor's license number, if required, to work in the State where the project is to be constructed.

7. The terms used in this Bid, which are defined in the General Conditions of the Contract Documents, have the meanings assigned to them in the General Conditions.

Submitted on: 2/10/2011
(date)

IF BIDDER IS:

An Individual: By: _____ (Seal)
(Individual's Name)

Doing business as: _____

Business address: _____

Phone No.: _____

A Partnership: By: _____ (Seal)
(Firm Name)

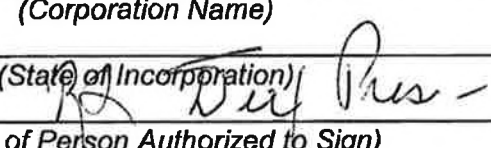
_____ (General Partner)

Business address: _____

Phone No.: _____

A Corporation: By: Dix And Associates Pipeline, Inc.
(Corporation Name)

Kentucky
(State of Incorporation)

By: Robert L. Dix 
(Name of Person Authorized to Sign)

Pres.
(Title)

(Corporate Seal)

Attest  _____ (Secretary)

Business address: 210 Industry Pkwy, Nicholasville, KY
40356

Phone No.: 859.887.2661

A Joint Venture: By: _____ (Name)

_____ (Address)

By: _____ (Name)

_____ (Address)

(Each joint venture must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

CHAI

Owner KENTUCKY AMERICAN WATER No. 1
 Contractor Dix & Associates Pipeline Inc. Issue Date 10-Jan-13
 Project Leestown Road Relocation Project IP No. 112-020010

You are directed to make the following changes in the Contract Documents.

ITEM NO.	DESCRIPTION OF THE CHANGE	COST INCREASE	COST DECREASE
1	Change order due to revised plans and 2 year delay in project from original Bid. The delay and plan revisions are due to the Kentucky State Transportation Cabinet. The revised bid schedule is attached.	\$349,485.30	
TOTAL		\$349,485.30	\$0
NET Increase		\$349,485.30	

Attachments: (List documents supporting change) Memo attached

CHANGE IN CONTRACT PRICE:		CHANGE IN CONTRACT TIME:	
Original Contract Price	\$ 764,144.20	Original Contract Time	<u>n/a</u> <small>DAYS OR DATE</small>
Previous Change Orders No. n/a to No. n/a	\$ -	Net change from previous Change Orders	<u>n/a</u> <small>DAYS</small>
Contract Price Prior to the Change Order	\$ 764,144.20	Contract Time prior to this Change Order	<u>n/a</u> <small>DAYS OR DATE</small>
Net increase of the Change Order	\$ 349,485.30	Net increase/decrease of this Change Order	<u>n/a</u> <small>DAYS</small>
Contract Price with all approved Change Orders	\$ 1,113,629.50	Contract Time with all approved Change Orders	<u>n/a</u> <small>DAYS OR DATE</small>

RECOMMENDED: by _____
Engineer

APPROVED: by _____
Owner

APPROVED: by *RJ Dix Pres*
Contractor

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the contractor for actual work completed. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 1075 – Basis of Payment.

1.	8406'	LF 16" DI Pipe Installation	60.00	per LF	\$ 504,360.00
2.	524'	LF 12" DI Pipe Installation	45.00	per LF	\$ 23,580.00
3.	1382'	LF 8" DI Pipe Installation	35.00	per LF	\$ 48,370.00
4.	421'	LF 6" DI Pipe Installation	21.50	per LF	\$ 9,051.50
5.	6'	LF 4" DI Pipe Installation	35.00	per LF	\$ 175.00
6.	15'	2"PVC Pipe Installation	25.00	per LF	\$ 375.00
7.	456'	24" Steel Casing (Bore & Jack)	335.00	per LF	\$ 152,760.00
8.	300'	24" Steel Casing (Open Cut)	175.00	per LF	\$ 52,500.00
9.	176'	20" Steel Casing (Bore & Jack)	295.00	per LF	\$ 51,920.00
10.	1	4" Cap & Block	400.00	Each	\$ 400.00
11.	541'	16" Steel Casing (Bore & Jack)	215.00	per LF	\$ 116,315.00
12.	311'	16" Steel Casing (Open Cut)	160.00	per LF	\$ 49,760.00
13.	140'	12" Steel Casing (Bore & Jack)	156.00	per LF	\$ 21,840.00
14.	93'	12" Steel Casing (Open Cut)	98.50	per LF	\$ 9,160.50
15.	6	16" Cap & Block	2550.00	Each	\$ 15,300.00
16.	5	12" Cap & Block/Plug	2150.00	Each	\$ 10,750.00
17.	11	8" Cap & Block	1250.00	Each	\$ 13,750.00
18.	1	6" Cap & Block	1200.00	Each	\$ 1,200.00
19.	1	2" Cap & Block	575.00	Each	\$ 575.00
20.	2	PIV Installation	900.00	Each	\$ 1,800.00
21.	1	Fire Service Vault	11,500.00	Each	\$ 11,500.00
22.	4	Fire Hydrant Installation (Includes all pipe from Tap/Tee to Hydrant)	1275.00	Each	\$ 5,100.00
23.	5235	Silt Fence	2.50	per LF	13,087.50

TOTAL **1,113,629.50**

BIDDER: Reynolds, Inc.

BID FORMS

NORTHERN DIVISION CONNECTION
U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1
AND
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2

PROJECT NO. IP-1232-3

KENTUCKY AMERICAN WATER

BID FORM	
Date: _____	Time: _____
Signature: _____	
Senior Management	
Witness: _____	
<i>For Water Company Use Only</i>	

BID FORM

NORTHERN DIVISION CONNECTION U.S. 127 WATER TRANSMISSION MAIN AND KY 607 WATER MAIN EXTENSION, PHASE 1 AND

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2

Project No. IP-1232-3

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Kentucky American Water
Jason Hurt, P.E., Senior Project Engineer
2300 Richmond Road
Lexington, KY 40502

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted and the Contract awarded to Bidder, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for **365** days after the Bid opening. The Contractor in its Bid shall include monthly increase in Bid amount if the Bid is not awarded within 120 days. Bidder will sign and submit the Agreement with the Bonds (if any) and other documents required by the Bidding Requirements within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, including but not limited to the Drawings, Specifications, Geotechnical Baseline Report, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
<u>1</u>	<u>2/23/2012</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.

E. Bidder has considered the information known to Bidder, information and observations obtained from visits to the Site, information commonly known to contractors doing business in the locality of the Site, the Bidding Documents, and the reports and drawings identified in the Bidding Documents and referred to in Paragraph 3.01.D above with respect to the effect of such information and observations on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.

F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder is prepared to comply with the applicable requirements of Owner’s safety program, if any.

- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding;
- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value likely to influence the action of a public official [or American Water Systems official] in the bidding process.
 - 2. “Fraudulent practice” means a misrepresentation of facts made: (a) to influence the bidding or negotiating process to the detriment of Owner; (b) to establish bid prices at artificial non-competitive levels; or (c) to deprive Owner of the benefits of free and open competition.
 - 3. “Collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - 4. “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

If specific materials are to be furnished by the Owner, the prices provided herein include installation of such materials only. Otherwise the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Phase 1 and Phase 2 are separate projects and will be awarded separately. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 01075-Basis of Payment. Quantities are not guaranteed. Final payment will be based on actual quantities.

Contract award will be made based on the computed total base bid plus any portions of the alternative bid selected and portions of the base bid eliminated. OWNER reserves the right to accept or reject any alternatives to the computed total base bid prior to Notice of Award.

If a Contract is to be awarded, it will be awarded to the responsive and responsible Bidder with either the lowest computed total base bid or the lowest computed total with portions of the alternative bid selected and portions of the base bid eliminated by OWNER whose evaluation indicates to OWNER that the award will be in the best interest of the Project. Bid from the successful Bidder for the computed base bid or alternative bid selected by OWNER may not necessarily be lower in prices than other computed total base bids or alternative bids.

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the drawings. Bidder agrees to perform the Work as shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

See Section 01075–Basis of Payment for discussion of cash allowances to include in the Bid.

**U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1**

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	39,620	LF	\$ 132.00	\$ 5,229,840.00
2.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ 128.00	\$ 19,840.00
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ 85.00	\$ 45,050.00
4.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ 100.00	\$ 11,500.00
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ 470.00	\$ 263,200.00
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ 6,384.00	\$ 82,992.00
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation), CIP according to detail.	4	EA	\$ 12,242.00	\$ 48,968.00
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	7	EA	\$ 6,147.00	\$ 43,029.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
9.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>5,054.00</u>	\$ <u>5,054.00</u>
10.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>5.00</u>	\$ <u>202,100.00</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>40.00</u>	\$ <u>32,600.00</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe; including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>19.00</u>	\$ <u>8,170.00</u>
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>2,457.00</u>	\$ <u>2,457.00</u>
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>1,532.00</u>	\$ <u>1,532.00</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,209.00</u>	\$ <u>9,627.00</u>
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>1,330.00</u>	\$ <u>1,330.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 237,430.00	\$ 237,430.00
18.	Check Valve Vault with Bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing, CIP, includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ 41,593.00	\$ 41,593.00
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ 32,838.00	\$ 131,352.00
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ 1.00	\$ 31,600.00
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ 107.00	\$ 10,700.00
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing and installing, and trenching under creek (water pipe not included).	110	LF	\$ 267.00	\$ 29,370.00
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ 123.00	\$ 5,535.00
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 8,616.00	\$ 8,616.00
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
27.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
28.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL BASE BID

U.S. 127 WATER TRANSMISSION MAIN, PHASE I (ITEMS 1 THROUGH 28):

Six million, six hundred ten thousand, nine hundred eighty-five & 00/100

Dollars \$ 6,610,985.00

(Words)

(Numbers)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	10,700	LF	\$ 62.00	\$ 663,400.00
2.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8,475	LF	\$ 60.00	\$ 508,500.00
3.	10 IN minimum steel cover pipe, furnishing, installing, trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	285	LF	\$ 587.00	\$ 167,295.00
4.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8	EA	\$ 1,486.00	\$ 11,888.00
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail.	16	EA	\$ 6,024.00	\$ 96,384.00
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ 1,031.00	\$ 8,248.00
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ 1,797.00	\$ 7,188.00
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ 26.00	\$ 2,600.00
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and drawings.	19,175	LF	\$ 6.00	\$ 115,050.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ 42.00	\$ 1,680.00
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ 22.00	\$ 5,060.00
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, and installation including unclassified excavation.	2	EA	\$ 4,203.00	\$ 8,406.00
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ 1.40	\$ 26,796.00
14.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ 109.00	\$ 5,995.00
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ 230.00	\$ 17,250.00
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ 128.00	\$ 1,920.00
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ 3,049.00	\$ 6,098.00
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 15,000.00	\$ 15,000.00

COMPUTED TOTAL BASE BID

KY 607 WATER TRANSMISSION MAIN, PHASE 1 (ITEMS 1 THROUGH 18):

One million, six hundred sixty-eight thousand, seven hundred fifty-eight & 00/100

Dollars \$ 1,668,758.00

(Words)

(Numbers)

ALTERNATIVE BID NO. 1
U.S. 127 TUNNEL

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 alignment.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	33,135	LF	\$ <u>136.00</u>	\$ <u>4,506,360.00</u>
2.	16 IN restrained joint DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	875	LF	\$ <u>115.00</u>	\$ <u>100,625.00</u>
3.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ <u>130.00</u>	\$ <u>20,150.00</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>86.00</u>	\$ <u>45,580.00</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ <u>101.00</u>	\$ <u>11,615.00</u>
6.	36 IN minimum steel cover pipe, furnishing and installing, including unclassified boring, tunneling, and/or jacking (water pipe not included).	670	LF	\$ <u>1,821.00</u>	\$ <u>1,220,070.00</u>
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	550	LF	\$ <u>542.00</u>	\$ <u>298,100.00</u>
8.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>6,488.00</u>	\$ <u>84,344.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	5	EA	\$ 12,438.00	\$ 62,190.00
10.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	7	EA	\$ 6,243.00	\$ 43,701.00
11.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ 5,129.00	\$ 5,129.00
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	34,140	LF	\$ 5.00	\$ 170,700.00
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	315	LF	\$ 40.00	\$ 12,600.00
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	405	LF	\$ 19.00	\$ 7,695.00
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ 2,490.00	\$ 2,490.00
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ 1,555.00	\$ 1,555.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,259.00</u>	\$ <u>9,777.00</u>
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>1,349.00</u>	\$ <u>1,349.00</u>
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>238,462.00</u>	\$ <u>238,462.00</u>
20.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>42,352.00</u>	\$ <u>42,352.00</u>
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	4	EA	\$ <u>33,452.00</u>	\$ <u>133,808.00</u>
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	25,980	LF	\$ <u>1.40</u>	\$ <u>36,372.00</u>
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	90	EA	\$ <u>109.00</u>	\$ <u>9,810.00</u>
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	150	LF	\$ <u>272.00</u>	\$ <u>40,800.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	30	LF	\$ 124.00	\$ 3,720.00
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ 8,752.00	\$ 8,752.00
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
29.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
30.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 1
U.S. 127 TUNNEL (PHASE 1), ITEMS 1 THROUGH 30:

Seven million, two hundred twenty-five thousand, six hundred six &00/100

Dollars \$ 7,225,606.00

(Words)

(Numbers)

ALTERNATIVE BID NO. 2
PVC PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 2 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ 127.00	\$ 3,035,300.00
2.	16 IN PVC, AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ 118.00	\$ 1,854,960.00
3.	12 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ 138.00	\$ 21,390.00
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ 101.00	\$ 53,530.00
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ 114.00	\$ 13,110.00
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ 485.00	\$ 271,600.00
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ 8,245.00	\$ 107,185.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
8.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ 15,729.00	\$ 62,916.00
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ 7,602.00	\$ 53,214.00
10.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ 6,144.00	\$ 6,144.00
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ 6.00	\$ 242,520.00
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ 49.00	\$ 39,935.00
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ 27.00	\$ 11,610.00
14.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ 2,622.00	\$ 2,622.00
15.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ 1,716.00	\$ 1,716.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
16.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,952.00</u>	\$ <u>11,856.00</u>
17.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>1,446.00</u>	\$ <u>1,446.00</u>
18.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>259,461.00</u>	\$ <u>259,461.00</u>
19.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>56,361.00</u>	\$ <u>56,361.00</u>
20.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>44,686.00</u>	\$ <u>178,744.00</u>
21.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>1.57</u>	\$ <u>49,612.00</u>
22.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>110.00</u>	\$ <u>11,000.00</u>
23.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ <u>329.00</u>	\$ <u>36,190.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
24.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ 137.00	\$ 6,165.00
25.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ 10,835.00	\$ 10,835.00
26.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
27.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
28.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
29.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 2
PVC PIPE VERSUS DI PIPE, PHASE 1 (ITEMS 1 THROUGH 29):

Six million, five hundred five thousand, six hundred eighty-nine & 00/100

Dollars \$ 6,505,689.00

(Words)

(Numbers)

ALTERNATIVE BID NO. 3
 U.S. 127 WATER TRANSMISSION MAIN (PHASE 1)
 (INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	39,620	LF	\$ 91.00	\$ 3,605,420.00
2.	12 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	155	LF	\$ 102.00	\$ 15,810.00
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	530	LF	\$ 73.00	\$ 38,690.00
4.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	115	LF	\$ 97.00	\$ 11,155.00
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ 700.00	\$ 392,000.00
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	13	EA	\$ 1,848.00	\$ 24,024.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ 15,216.00	\$ 60,864.00
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	7	EA	\$ 1,988.00	\$ 13,916.00
9.	6 IN blowoff hydrant for all sizes of water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	1	EA	\$ 2,508.00	\$ 2,508.00
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ 6.00	\$ 242,520.00
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ 44.00	\$ 35,860.00
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ 24.00	\$ 10,320.00
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, and installation, including unclassified excavation.	1	EA	\$ 2,621.00	\$ 2,621.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ 1,701.00	\$ 1,701.00
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ 3,855.00	\$ 11,565.00
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, and unclassified excavation.	1	EA	\$ 1,440.00	\$ 1,440.00
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 259,000.00	\$ 259,000.00
18.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ 48,787.00	\$ 48,787.00
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ 37,539.00	\$ 150,156.00
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ 1.44	\$ 45,504.00
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ 111.00	\$ 11,100.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing, installing, and trenching under creek (water pipe not included).	110	LF	\$ 318.00	\$ 34,980.00
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ 133.00	\$ 5,985.00
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ 10,534.00	\$ 10,534.00
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 60,000.00	\$ 60,000.00
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
27.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
28.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 3

U.S. 127 WATER TRANSMISSION MAIN, PHASE 1, (INCLUDES SOME OWNER-PROVIDED MATERIALS)

(ITEMS 1 THROUGH 28):

Five million, one hundred thirteen thousand, nine hundred sixty & 00/100

Dollars \$ 5,113,960.00

(Words)

(Numbers)

ALTERNATIVE BID NO. 4
 KY 607 WATER TRANSMISSION MAIN, PHASE I
 (INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	10,700	LF	\$ <u>55.00</u>	\$ <u>588,500.00</u>
2.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8,475	LF	\$ <u>55.00</u>	\$ <u>466,125.00</u>
3.	10 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	285	LF	\$ <u>560.00</u>	\$ <u>159,600.00</u>
4.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8	EA	\$ <u>1,199.00</u>	\$ <u>9,592.00</u>
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, backfilling, including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	16	EA	\$ <u>2,721.00</u>	\$ <u>43,536.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ 1,395.00	\$ 11,160.00
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ 2,223.00	\$ 8,892.00
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ 30.00	\$ 3,000.00
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	19,175	LF	\$ 6.00	\$ 115,050.00
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ 52.00	\$ 2,080.00
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ 32.00	\$ 7,360.00
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, installation, and unclassified excavation.	2	EA	\$ 2,851.00	\$ 5,702.00
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ 1.43	\$ 27,370.20
14.	Straw bales including all associated items, bales, stakes, CIP, furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ 115.00	\$ 6,325.00
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ 300.00	\$ 22,500.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ 147.00	\$ 2,205.00
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ 4,122.00	\$ 8,244.00
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 15,000.00	\$ 15,000.00

COMPUTED TOTAL ALTERNATIVE BID NO. 4
 KY 607 WATER TRANSMISSION MAIN, PHASE 1, INCLUDES SOME OWNER-PROVIDED
 MATERIALS, (ITEMS 1 THROUGH 18):

One million, five hundred two thousand, two hundred forty-one & 20/100
 Dollars \$ 1,502,241.20

(Words) (Numbers)

ALTERNATIVE BID NO. 5
HDPE PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 5 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ 116.00	\$ 2,772,400.00
2.	24 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ 236.00	\$ 3,709,920.00
3.	18 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ 172.00	\$ 26,660.00
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ 96.00	\$ 50,880.00
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ 111.00	\$ 12,765.00
6.	36 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included).	200	LF	\$ 1,783.00	\$ 356,600.00
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	360	LF	\$ 518.00	\$ 186,480.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>7,119.00</u>	\$ <u>92,547.00</u>
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>13,609.00</u>	\$ <u>54,436.00</u>
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ <u>6,733.00</u>	\$ <u>47,131.00</u>
11.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>5,500.00</u>	\$ <u>5,500.00</u>
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>6.00</u>	\$ <u>242,520.00</u>
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>46.00</u>	\$ <u>37,490.00</u>
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>23.00</u>	\$ <u>9,890.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ 2,534.00	\$ 2,534.00
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ 1,610.00	\$ 1,610.00
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ 3,501.00	\$ 10,503.00
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ 1,022.00	\$ 1,022.00
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ 249,190.00	\$ 249,190.00
20.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ 49,948.00	\$ 49,948.00
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ 40,071.00	\$ 160,284.00
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ 1.57	\$ 49,612.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ 109.00	\$ 10,900.00
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ 293.00	\$ 32,230.00
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ 130.00	\$ 5,850.00
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ 9,482.00	\$ 9,482.00
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
29.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
30.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 5

HDPE PIPE VERSUS DI PIPE, PHASE 1 (ITEMS 1 THROUGH 30):

Eight million, two hundred ninety-five thousand, eight hundred eight-four & 00/100

Dollars \$ 8,295,884.00

(Words)

(Numbers)

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	44,945	LF	\$ 116.00	\$ 5,213,620.00
2.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ 130.00	\$ 13,000.00
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ 100.00	\$ 9,000.00
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ 662.00	\$ 218,460.00
5.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ 608.00	\$ 36,480.00
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ 7,773.00	\$ 155,460.00
7.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ 1,568.00	\$ 7,840.00
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	15	EA	\$ 7,227.00	\$ 108,405.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ 6.00	\$ 270,780.00
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ 47.00	\$ 34,075.00
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ 25.00	\$ 10,000.00
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ 1,664.00	\$ 1,664.00
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ 3,758.00	\$ 7,516.00
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 33,570.00	\$ 33,570.00
15.	Silt fence including all associated items, stakes, and fence. CIP including furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ 1.47	\$ 51,486.75
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ 109.00	\$ 14,715.00
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 313.00	\$ 45,385.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ 10,260.00	\$ 10,260.00
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 184.00	\$ 9,200.00
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
22.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL BASE BID

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)

(ITEMS 1 THROUGH 23):

Six million, three hundred fifty-eight thousand, four hundred sixteen & 75/100
 Dollars \$ 6,358,416.75

(Words)

(Numbers)

ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ 119.00	\$ 1,725,500.00
2.	16 IN AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50 (Line "A") and STA. 10+00 to STA 72+87 (Line "C").	30,445	LF	\$ 112.00	\$ 3,409,840.00
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ 119.00	\$ 11,900.00
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ 89.00	\$ 8,010.00
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ 624.00	\$ 205,920.00
6.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ 573.00	\$ 34,380.00
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ 6,430.00	\$ 128,600.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
8.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ 1,345.00	\$ 6,725.00
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	15	EA	\$ 6,193.00	\$ 92,895.00
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ 5.00	\$ 225,650.00
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ 39.00	\$ 28,275.00
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ 19.00	\$ 7,600.00
13.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ 1,545.00	\$ 1,545.00
14.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ 3,232.00	\$ 6,464.00
15.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 24,513.00	\$ 24,513.00
16.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ 1.41	\$ 49,385.25

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
17.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ 108.00	\$ 14,580.00
18.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 269.00	\$ 39,005.00
19.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 8,678.00	\$ 8,678.00
20.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 164.00	\$ 8,200.00
21.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
22.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 24):

Six million, one hundred forty-five thousand, one hundred sixty-five & 25/100

Dollars \$ 6,145,165.25

(Words)

(Numbers)

ALTERNATIVE BID NO. 2
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)
(INCLUDES SOME OWNER-PROVIDED MATERIAL)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	44,945	LF	\$ 81.00	\$ 3,640,545.00
2.	8 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	100	LF	\$ 102.00	\$ 10,200.00
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	90	LF	\$ 102.00	\$ 9,180.00
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ 699.00	\$ 230,670.00
5.	16 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ 646.00	\$ 38,760.00
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	22	EA	\$ 972.00	\$ 21,384.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
7.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	5	EA	\$ 487.00	\$ 2,435.00
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	15	EA	\$ 2,020.00	\$ 30,300.00
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ 6.00	\$ 270,780.00
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ 51.00	\$ 36,975.00
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ 31.00	\$ 12,400.00
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ 1,930.00	\$ 1,930.00
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ 4,772.00	\$ 9,544.00
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 34,956.00	\$ 34,956.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
15.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ 1.45	\$ 50,786.25
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ 115.00	\$ 15,525.00
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 391.00	\$ 56,695.00
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 13,265.00	\$ 13,265.00
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 214.00	\$ 10,700.00
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 60,000.00	\$ 60,000.00
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
22.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 2
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2
(INCLUDES SOME OWNER-PROVIDED MATERIAL)
(ITEMS 1 THROUGH 23):

Four million, five hundred seventy-four thousand, five hundred thirty & 25/100
Dollars \$ 4,574,530.25

(Words)

(Numbers)

ALTERNATIVE BID NO. 3
HDPE PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 3 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ 107.00	\$ 1,551,500.00
2.	24 IN AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50. (Line "A") and STA. 10+00 to 72+87 (Line "C").	30,445	LF	\$ 219.00	\$ 6,667,455.00
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ 127.00	\$ 12,700.00
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ 95.00	\$ 8,550.00
5.	36 IN minimum steel cover pipe including furnishing, installing, and trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	210	LF	\$ 2,078.00	\$ 436,380.00
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	120	LF	\$ 609.00	\$ 73,080.00
7.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ 558.00	\$ 33,480.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ 6,743.00	\$ 134,860.00
9.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ 1,402.00	\$ 7,010.00
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	15	EA	\$ 6,435.00	\$ 96,525.00
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ 6.00	\$ 270,780.00
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ 43.00	\$ 31,175.00
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ 21.00	\$ 8,400.00
14.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ 1,570.00	\$ 1,570.00
15.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ 3,350.00	\$ 6,700.00
16.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 28,442.00	\$ 28,442.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
17.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ 1.48	\$ 51,837.00
18.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ 108.00	\$ 14,580.00
19.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 280.00	\$ 40,600.00
20.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 9,031.00	\$ 9,031.00
21.	36 IN minimum steel casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 55.00	\$ 2,750.00
22.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 90,000.00	\$ 90,000.00
23.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
25.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 3

HDPE PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 25):

Nine million, five hundred ninety-four thousand, nine hundred five & 00/100

Dollars \$ 9,594,905.00

(Words)

(Numbers)

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No. _____, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids.
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted on February 28, 2012 by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Corporation

Corporation Name: Reynolds, Inc. (SEAL)

State of Incorporation: Indiana

Type (General Business, Professional, Service, Limited Liability): General Business

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): Les Archer

Title: Senior Vice President
(CORPORATE SEAL)

Attest: Big Smith

Business Address: 4520 North State Road 37, Orleans, IN 47452

Phone No.: 812-865-3232 E-mail: Les.Archer@Layne.com

State Contractor License No. (If applicable): N/A

Date of Qualification to do business in Kentucky is 10 / 21 / 05

[State where Project is located]

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Commonwealth of Kentucky

Trey Grayson Secretary of State

Certificate of Authorization

I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

REYNOLDS, INC.

, a corporation organized under the laws of the state of Indiana, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on October 20, 2005.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 271B.16-220 has been delivered to the Secretary of State.

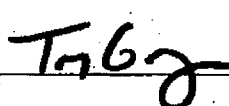
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 21st day of October, 2005.

Certificate Number: 21599

Jurisdiction: Reynolds, Inc.

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to validate the authenticity of this certificate.





Trey Grayson
Secretary of State
Commonwealth of Kentucky
21599/0624018

CERTIFICATE

The undersigned, Liz Smith, hereby certifies that she is the duly elected, qualified, and acting Assistant Secretary of Reynolds, Inc., an Indiana corporation (the "Company"), and as such is familiar with the books and records of said Company, and does hereby certify the following:

1. that Les Archer is the Senior Vice President of Reynolds, Inc.;
2. that the resolutions set forth below were adopted by Minutes of Action Taken in Lieu of a Meeting of the Board of Directors of said Company by written consent, dated as of March 1, 2010, that the following is a true and correct copy of such resolutions as they appear in the minute books of the Company, and that such resolutions are in full force and effect:

Authority To Enter Into Contracts

WHEREAS, the directors deem it in the best interests of the Company to state the bid, contract and purchase order limits of the various officers and employees of the Company.

NOW, THEREFORE, BE IT RESOLVED, that effective as of March 1, 2010, and in lieu of all previous actions of the Board of Directors, the authority of the following officers and employees of the Company to (i) accept customer purchase orders and affix the corporate seal thereon; (ii) issue bids and/or enter into contracts with customers; and (iii) enter into contracts with vendors in connection with the sale of the Company's products and services and the purchase of supplies and equipment, in the name of and on behalf of the Company, shall be for an amount up to and including the amount set forth beside each of their titles in the following schedule:

<u>Title</u>	<u>Amount</u>
Chief Executive Officer	\$15,000,000
President	\$10,000,000
Vice President	\$5,000,000
Assistant Division Manager, District Manager or Branch Manager	\$1,000,000

FURTHER RESOLVED, that the chief executive officer, president or vice president of the Company may delegate the authority to enter into contractual commitments which they are authorized to execute pursuant to these resolutions to any other officer, assistant division manager, district manager, branch manager or other employee of the Company and may, as requested by any third party, indicate such delegation by addressing a letter or other written document to such third party.


FURTHER RESOLVED, that prior to execution thereof, pursuant to the preceding resolution, any contract in excess of the authorized limits granted herein must be approved by any two members of the Board of Directors; provided, however, that the execution of any contract in accordance with the preceding resolution may be considered by all third parties to be conclusive evidence that all appropriate authority pursuant to these resolutions has been granted.

FURTHER RESOLVED, that the secretary, any assistant secretary, or any other officer of the Company be, and they hereby are, authorized to certify a copy of these resolutions, and any customer of the Company is hereby authorized to rely upon said certificate as so presented.

3. that in accordance with these resolutions, two members of the Board, Messrs. Jeffrey J. Reynolds and Rene J. Robichaud, have granted authorization to Les Archer, Senior Vice President of Reynolds, Inc., to sign all contract documents and change notices between the Owner and Reynolds, Inc., in an amount not to exceed the bid amount for the project known as: **Northern Division Connection U.S. 127 Water Transmission Main and KY 607 Water Main Extension, Phase 1 AND U.S. 127 and KY 22 Water Transmission Main, Phase 2.**

IN WITNESS WHEREOF, Liz Smith has hereunto set her hand and affixed the corporate seal of Reynolds, Inc. this 28th day of February, 2012.

[CORPORATE SEAL]


 Liz Smith, Assistant Secretary
 Reynolds, Inc.
 4520 N. State Rd. 37
 Orleans, IN 47452

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Reynolds, Inc.
4520 N. State Road 37
Orleans, IN 47452, as Principal and Travelers Casualty and Surety
Company of America

(BIDDER)

One Tower Square of the City of Hartford,

State of Connecticut, a corporation existing under the laws and the State of Connecticut,

and authorized to transact business in the State of Kentucky, as Surety, are held and firmly

bound unto **Kentucky-American Water Company, 2300 Richmond Road, Lexington, KY 40502**, hereinafter called the Obligee, in the sum of

Ten Percent of the Amount of the Bid----- Dollars

(\$ -----10%-----), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated February 28th, 2012, for the Northern Division Connection, U.S. 127 Water Transmission Main and KY 607 Water Main Extension, Phase 1 and U.S. 127 and KY 22 Water Transmission Main, Phase 2

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon due acceptance of said Bid and award of a Contract to him by the Obligee, bonds with good and sufficient surety as may be required by the Contract Documents, and furnishes the Obligee proper evidence of effectiveness of insurance coverage, respectively, within the time, in the forms and in the amounts, as appropriate, required by the Contract Documents, and enters into a Contract with the Obligee in accordance with the Contract Documents, then this Bond shall be void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to perform all conditions of this Bond, they will pay the sum of the Bond to the Obligee as fixed, liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Obligee may accept such Bid; and said Surety does hereby waive notice of any such extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 28th day of February, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28th, 2012

WITNESS:

Reynolds, Inc.

Name of Bidder, Corporation
Firm or Individual

Lisa B. Parker

By

Les Archer, Senior Vice President
(Title)

4520 N. State Road 37

Orleans, IN 47452

Business Address of Bidder

ATTEST:

Deborah A. Yates
Secretary
Deborah A. Yates

Travelers Casualty and Surety
Company of America

One Tower Square
Hartford, CT 06183

Surety

William A. Kantlehner, III
Attorney-In-Fact and Kentucky Resident Agent,
William A. Kantlehner, III



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 220048

Certificate No. 004674716

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Deborah A. Yates, Steven M. Garrett, William A. Kantlehner III, Thomas J. Mitchell, Jeffrey A. Brown, Diane L. Phelps, S. Annette Mullet, Roger A. Neal, and Linda Kapfhammer

of the City of Louisville, State of Kentucky, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

Not limited to a specific dollar amount.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 4th day of January, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: George W. Thompson
George W. Thompson, Senior Vice President

On this the 4th day of January, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

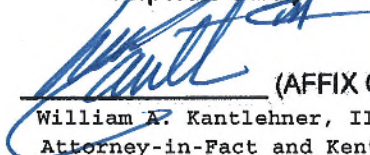
KNOW ALL MEN BY THESE PRESENTS, that we Travelers Casualty and Surety Company of America, as Surety, a corporation existing under the laws of the State of Connecticut, and authorized to transact business in the State of Kentucky hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of **, on behalf of Reynolds, Inc., hereinafter called the Bidder, provided that the Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the *** the amount of the Bid Bond. **Northern Division Connection, U.S. 127 Water Transmission Main and KY 607 Water Main Extension, Phase 1 and U.S. 127 and KY 22 Water Transmission Main, Phase 2
***Kentucky-American Water Company

February 28th, 2012

Date

Travelers Casualty and Surety Company of America

Corporate Surety



(AFFIX CORPORATE SEAL)

William A. Kantlehner, III

Attorney-in-Fact and Kentucky Resident Agent

Title

Garrett-Stotz Company

1601 Alliant Avenue

Louisville, KY 40299-6338

Business Address



Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 220048

Certificate No. 004674713

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Deborah A. Yates, Steven M. Garrett, William A. Kantlehner III, Thomas J. Mitchell, Jeffrey A. Brown, Diane L. Phelps, S. Annette Mullet, Roger A. Neal, and Linda Kapfhammer

of the City of Louisville, State of Kentucky, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

Not limited to a specific dollar amount.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 4th day of January, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: George W. Thompson
George W. Thompson, Senior Vice President

On this the 4th day of January, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

BID FORM	
Date: _____	Time: _____
Signature: _____	
Senior Management	
Witness: _____	
<i>For Water Company Use Only</i>	

BID FORM

NORTHERN DIVISION CONNECTION
U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1
AND
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2
 Project No. IP-1232-3

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Kentucky American Water
 Jason Hurt, P.E., Senior Project Engineer
 2300 Richmond Road
 Lexington, KY 40502

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted and the Contract awarded to Bidder, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 365 days after the Bid opening. The Contractor in its Bid shall include monthly increase in Bid amount if the Bid is not awarded within 120 days. Bidder will sign and submit the Agreement with the Bonds (if any) and other documents required by the Bidding Requirements within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, including but not limited to the Drawings, Specifications, Geotechnical Baseline Report, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
<u># 1</u>	<u>Feb. 23, 2012</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.
- E. Bidder has considered the information known to Bidder, information and observations obtained from visits to the Site, information commonly known to contractors doing business in the locality of the Site, the Bidding Documents, and the reports and drawings identified in the Bidding Documents and referred to in Paragraph 3.01.D above with respect to the effect of such information and observations on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder is prepared to comply with the applicable requirements of Owner’s safety program, if any.

- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding;
- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 1. “Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value likely to influence the action of a public official [or American Water Systems official] in the bidding process.
 2. “Fraudulent practice” means a misrepresentation of facts made: (a) to influence the bidding or negotiating process to the detriment of Owner; (b) to establish bid prices at artificial non-competitive levels; or (c) to deprive Owner of the benefits of free and open competition.
 3. “Collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 4. “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

If specific materials are to be furnished by the Owner, the prices provided herein include installation of such materials only. Otherwise the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Phase 1 and Phase 2 are separate projects and will be awarded separately. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 01075-Basis of Payment. Quantities are not guaranteed. Final payment will be based on actual quantities.

Contract award will be made based on the computed total base bid plus any portions of the alternative bid selected and portions of the base bid eliminated. OWNER reserves the right to accept or reject any alternatives to the computed total base bid prior to Notice of Award.

If a Contract is to be awarded, it will be awarded to the responsive and responsible Bidder with either the lowest computed total base bid or the lowest computed total with portions of the alternative bid selected and portions of the base bid eliminated by OWNER whose evaluation indicates to OWNER that the award will be in the best interest of the Project. Bid from the successful Bidder for the computed base bid or alternative bid selected by OWNER may not necessarily be lower in prices than other computed total base bids or alternative bids.

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the drawings. Bidder agrees to perform the Work as shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

See Section 01075-Basis of Payment for discussion of cash allowances to include in the Bid.

**U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1**

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	39,620	LF	\$ ⁷⁰⁴ 93.60	\$ ⁷⁰⁴ 3,708,432. ⁰⁰
2.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ 86.00	\$ 13,330.00
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ 33.50	\$ 17,755.00
4.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ 65.00	\$ 7,475.00
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ 370.00	\$ 207,200.00
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ 8,500. ⁰⁰	\$ 110,500.00
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation), CIP according to detail.	4	EA	\$ 21,800. ⁰⁰	\$ 87,200. ⁰⁰
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	7	EA	\$ 6,400. ⁰⁰	\$ 44,800.00

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
9.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>4,900.00</u>	\$ <u>4,900.00</u>
10.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>3.72</u>	\$ <u>150,362.40</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>44.50</u>	\$ <u>36,267.50</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe; including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>11.75</u>	\$ <u>5,052.50</u>
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>1,800.00</u>	\$ <u>5,400.00</u>
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>950.00</u>	\$ <u>950.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>88,000.⁰⁰</u>	\$ <u>88,000.⁰⁰</u>
18.	Check Valve Vault with Bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing, CIP, includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>33,500.⁰⁰</u>	\$ <u>33,500.⁰⁰</u>
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>70,500.⁰⁰</u>	\$ <u>282,000.⁰⁰</u>
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>1.50</u>	\$ <u>47,400.⁰⁰</u>
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>20.00</u>	\$ <u>2,000.⁰⁰</u>
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing and installing, and trenching under creek (water pipe not included).	110	LF	\$ <u>440.⁰⁰</u>	\$ <u>48,400.⁰⁰</u>
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ <u>335.00</u>	\$ <u>15,075.⁰⁰</u>
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ <u>5,600.⁰⁰</u>	\$ <u>5,600.⁰⁰</u>
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>60,000.⁰⁰</u>	\$ <u>60,000.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
27.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
28.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL BASE BID

U.S. 127 WATER TRANSMISSION MAIN, PHASE I (ITEMS 1 THROUGH 28):

Five Million eight thousand ninety nine Dollars \$ *5,008,099.40*
dollars and forty cents. (Words) (Numbers)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	10,700	LF	\$ <u>22.75</u>	\$ <u>243,425.⁰⁰</u>
2.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8,475	LF	\$ <u>20.00</u>	\$ <u>169,500.⁰⁰</u>
3.	10 IN minimum steel cover pipe, furnishing, installing, trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	285	LF	\$ <u>200.00</u>	\$ <u>57,000.⁰⁰</u>
4.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8	EA	\$ <u>1,400.⁰⁰</u>	\$ <u>11,200.⁰⁰</u>
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail.	16	EA	\$ <u>3650.⁰⁰</u>	\$ <u>58,400.⁰⁰</u>
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ <u>900.⁰⁰</u>	\$ <u>7,200.⁰⁰</u>
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ <u>1,400.⁰⁰</u>	\$ <u>5,600.⁰⁰</u>
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ <u>26.50</u>	\$ <u>2,650.⁰⁰</u>
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and drawings.	19,175	LF	\$ <u>3.45</u>	\$ <u>66,153.75</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ <u>87.00</u>	\$ <u>3,480.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ <u>12.00</u>	\$ <u>2,760.00</u>
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, and installation including unclassified excavation.	2	EA	\$ <u>3,300.00</u>	\$ <u>6,600.00</u>
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ <u>1.50</u>	\$ <u>28,710.00</u>
14.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ <u>20.00</u>	\$ <u>1,100.00</u>
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ <u>270.00</u>	\$ <u>20,250.00</u>
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ <u>220.00</u>	\$ <u>3,300.00</u>
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ <u>5,800.00</u>	\$ <u>11,600.00</u>
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>10,000.00</u>	\$ <u>10,000.00</u>

COMPUTED TOTAL BASE BID

KY 607 WATER TRANSMISSION MAIN, PHASE I (ITEMS 1 THROUGH 18):

Seven Hundred - Eighty - Three and, nine-hundred Twenty - Eight Dollars \$ 708,928.75
 (Words) (Numbers)

ALTERNATIVE BID NO. 1
U.S. 127 TUNNEL

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 alignment.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	33,135	LF	\$ <u>93.60</u>	\$ <u>3,101,436.⁰⁰</u>
2.	16 IN restrained joint DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	875	LF	\$ <u>185.00</u>	\$ <u>161,875.⁰⁰</u>
3.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ <u>86.00</u>	\$ <u>13,330.⁰⁰</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>33.50</u>	\$ <u>17,755.⁰⁰</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ <u>65.00</u>	\$ <u>7,475.⁰⁰</u>
6.	36 IN minimum steel cover pipe, furnishing and installing, including unclassified boring, tunneling, and/or jacking (water pipe not included).	670	LF	\$ <u>1,630.⁰⁰</u>	\$ <u>1,092,100.⁰⁰</u>
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	550	LF	\$ <u>370.⁰⁰</u>	\$ <u>203,500.⁰⁰</u>
8.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>8,500.⁰⁰</u>	\$ <u>110,500.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	5	EA	\$ <u>21,800.⁰⁰</u>	\$ <u>109,000.⁰⁰</u>
10.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	7	EA	\$ <u>6,400.⁰⁰</u>	\$ <u>44,800.⁰⁰</u>
11.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>4,900.⁰⁰</u>	\$ <u>4,900.⁰⁰</u>
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	34,140	LF	\$ <u>3.72</u>	\$ <u>127,000.80</u>
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	315	LF	\$ <u>44.50</u>	\$ <u>14,017.50</u>
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	405	LF	\$ <u>11.75</u>	\$ <u>4,758.75</u>
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ 1,800. ⁰⁰	\$ 5,400. ⁰⁰
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing and installation, including unclassified excavation.	1	EA	\$ 950. ⁰⁰	\$ 950. ⁰⁰
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ 88,000. ⁰⁰	\$ 88,000. ⁰⁰
20.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ 33,500. ⁰⁰	\$ 33,500. ⁰⁰
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	4	EA	\$ 70,500. ⁰⁰	\$ 282,000. ⁰⁰
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	25,980	LF	\$ 1.50	\$ 38,970. ⁰⁰
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	90	EA	\$ 20.00	\$ 1,800. ⁰⁰
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	150	LF	\$ 440. ⁰⁰	\$ 66,000. ⁰⁰

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	30	LF	\$ <u>335.00</u>	\$ <u>10,050.⁰⁰</u>
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ <u>5,600.⁰⁰</u>	\$ <u>5,600.⁰⁰</u>
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>60,000.⁰⁰</u>	\$ <u>60,000.⁰⁰</u>
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
29.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
30.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 1
 U.S. 127 TUNNEL (PHASE 1), ITEMS 1 THROUGH 30:

Five Million six hundred thirty one Dollars \$ 5,631,218.05
 (Words) (Numbers)
thousand two hundred eighteen dollars and
five cents.

ALTERNATIVE BID NO. 2
PVC PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 2 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ <u>92.64</u>	\$ <u>2,214,096.⁰⁰</u>
2.	16 IN PVC, AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ <u>79.20</u>	\$ <u>1,245,024.⁰⁰</u>
3.	12 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ <u>86.00</u>	\$ <u>13,330.⁰⁰</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>33.50</u>	\$ <u>17,755.⁰⁰</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ <u>65.00</u>	\$ <u>7,475.⁰⁰</u>
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ <u>470.00</u>	\$ <u>263,200.⁰⁰</u>
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>8,500.⁰⁰</u>	\$ <u>110,500.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
8.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>21,800.⁰⁰</u>	\$ <u>87,200.⁰⁰</u>
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ <u>6,400.⁰⁰</u>	\$ <u>44,800.⁰⁰</u>
10.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>4,900.⁰⁰</u>	\$ <u>4,900.⁰⁰</u>
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>3.72</u>	\$ <u>150,362.40</u>
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>44.50</u>	\$ <u>36,267.50</u>
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>11.95</u>	\$ <u>5,052.50</u>
14.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>
15.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
16.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>1,800.00</u>	\$ <u>5,400.00</u>
17.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>950.00</u>	\$ <u>950.00</u>
18.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>88,000.00</u>	\$ <u>88,000.00</u>
19.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>33,500.00</u>	\$ <u>33,500.00</u>
20.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>70,500.00</u>	\$ <u>282,000.00</u>
21.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>1.50</u>	\$ <u>47,400.00</u>
22.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>20.00</u>	\$ <u>2,000.00</u>
23.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ <u>440.00</u>	\$ <u>48,400.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
24.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ <u>335.00</u>	\$ <u>15,075.⁰⁰</u>
25.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ <u>5,600.⁰⁰</u>	\$ <u>5,600.⁰⁰</u>
26.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>60,000.⁰⁰</u>	\$ <u>60,000.⁰⁰</u>
27.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
28.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
29.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 2
PVC PIPE VERSUS DI PIPE, PHASE I (ITEMS 1 THROUGH 29):

Four million eight hundred fourteen thousand Dollars \$ 4,814,787.40
seven hundred eighty seven dollars and forty cents (Words) (Numbers)

ALTERNATIVE BID NO. 3
U.S. 127 WATER TRANSMISSION MAIN (PHASE 1)
(INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	39,620	LF	\$ <u>48.25</u>	\$ <u>1,911,655.⁰⁰</u>
2.	12 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	155	LF	\$ <u>55.00</u>	\$ <u>8,525.⁰⁰</u>
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	530	LF	\$ <u>21.50</u>	\$ <u>11,395.⁰⁰</u>
4.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	115	LF	\$ <u>73.00</u>	\$ <u>8,395.⁰⁰</u>
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ <u>400.00</u>	\$ <u>224,000.⁰⁰</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	13	EA	\$ <u>1650.⁰⁰</u>	\$ <u>21,450.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>25,000.⁰⁰</u>	\$ <u>100,000.⁰⁰</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	7	EA	\$ <u>2,650.⁰⁰</u>	\$ <u>18,550.⁰⁰</u>
9.	6 IN blowoff hydrant for all sizes of water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	1	EA	\$ <u>6,700.⁰⁰</u>	\$ <u>6,700.⁰⁰</u>
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>3.72</u>	\$ <u>150,362.40</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>44.50</u>	\$ <u>36,267.50</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>11.75</u>	\$ <u>5,052.50</u>
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>2,500.⁰⁰</u>	\$ <u>2,500.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>6,400.⁰⁰</u>	\$ <u>6,400.⁰⁰</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>2,500.⁰⁰</u>	\$ <u>7,500.⁰⁰</u>
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, and unclassified excavation.	1	EA	\$ <u>1,300.⁰⁰</u>	\$ <u>1,300.⁰⁰</u>
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>98,500.⁰⁰</u>	\$ <u>98,500.⁰⁰</u>
18.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>34,700.⁰⁰</u>	\$ <u>34,700.⁰⁰</u>
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>80,500.⁰⁰</u>	\$ <u>322,000.⁰⁰</u>
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>1.50</u>	\$ <u>47,400.⁰⁰</u>
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>20.00</u>	\$ <u>2,000.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing, installing, and trenching under creek (water pipe not included).	110	LF	\$ <u>440.00</u>	\$ <u>48,400.00</u>
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ <u>335.00</u>	\$ <u>15,075.00</u>
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ <u>5,600.00</u>	\$ <u>5,600.00</u>
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>30,000.00</u>	\$ <u>30,000.00</u>
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
27.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
28.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 3
 U.S. 127 WATER TRANSMISSION MAIN, PHASE 1, (INCLUDES SOME OWNER-PROVIDED MATERIALS)
 (ITEMS 1 THROUGH 28):

Three million one hundred forty one Dollars \$ 3,141,237.40
thousand two hundred thirty seven dollars (Words) (Numbers)
and forty cents.

ALTERNATIVE BID NO. 4
 KY 607 WATER TRANSMISSION MAIN, PHASE 1
 (INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	10,700	LF	\$ <u>19.00</u>	\$ <u>203,300.⁰⁰</u>
2.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8,475	LF	\$ <u>19.00</u>	\$ <u>161,025.⁰⁰</u>
3.	10 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	285	LF	\$ <u>200.00</u>	\$ <u>57,000.⁰⁰</u>
4.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8	EA	\$ <u>1,100.00</u>	\$ <u>8,800.⁰⁰</u>
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, backfilling, including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	16	EA	\$ <u>3650.⁰⁰</u>	\$ <u>58,400.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ <u>900.00</u>	\$ <u>7,200.⁰⁰</u>
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ <u>1,400.00</u>	\$ <u>5,600.⁰⁰</u>
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ <u>26.50</u>	\$ <u>2,650.⁰⁰</u>
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	19,175	LF	\$ <u>3.45</u>	\$ <u>66,153.75</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ <u>87.00</u>	\$ <u>3,480.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ <u>12.00</u>	\$ <u>2,760.⁰⁰</u>
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, installation, and unclassified excavation.	2	EA	\$ <u>3,300.⁰⁰</u>	\$ <u>6,600.⁰⁰</u>
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ <u>1.50</u>	\$ <u>28,710.⁰⁰</u>
14.	Straw bales including all associated items, bales, stakes, CIP, furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ <u>20.00</u>	\$ <u>1,100.⁰⁰</u>
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ <u>270.00</u>	\$ <u>20,250.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ 220.00	\$ 3,300.00
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ 5,800.00	\$ 11,600.00
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 5,000.00	\$ 5,000.00

COMPUTED TOTAL ALTERNATIVE BID NO. 4

KY 607 WATER TRANSMISSION MAIN, PHASE 1, INCLUDES SOME OWNER-PROVIDED MATERIALS, (ITEMS 1 THROUGH 18):

Six hundred fifty two thousand, nine hundred twenty	Dollars \$ 652,928. ⁷⁵
(Words)	(Numbers)
Eight thousand and ⁷⁵ / ₁₀₀	

ALTERNATIVE BID NO. 5
HDPE PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 5 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ _____	\$ <u>No BID</u>
2.	24 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ _____	\$ <u>No BID</u>
3.	18 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ _____	\$ <u>No BID</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ _____	\$ <u>No BID</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ _____	\$ <u>No BID</u>
6.	36 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included).	200	LF	\$ _____	\$ <u>No BID</u>
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	360	LF	\$ _____	\$ <u>No BID</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ _____	\$ <u>No BID</u>
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ _____	\$ <u>No BID</u>
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ _____	\$ <u>No BID</u>
11.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ _____	\$ <u>No BID</u>
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ _____	\$ <u>No BID</u>
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ _____	\$ <u>No BID</u>
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ _____	\$ <u>No BID</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ _____	\$ <u>No BID</u>
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ _____	\$ <u>No BID</u>
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ _____	\$ <u>No BID</u>
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ _____	\$ <u>No BID</u>
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ _____	\$ <u>No BID</u>
20.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ _____	\$ <u>No BID</u>
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ _____	\$ <u>No BID</u>
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ _____	\$ <u>No BID</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ _____	\$ <u>NO BID</u>
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ _____	\$ <u>NO BID</u>
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ _____	\$ <u>NO BID</u>
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ _____	\$ <u>NO BID</u>
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ _____	\$ <u>NO BID</u>
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
29.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
30.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 5
HDPE PIPE VERSUS DI PIPE, PHASE 1 (ITEMS 1 THROUGH 30):

_____ Dollars \$ NO BID
(Words) (Numbers)

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	44,945	LF	\$ <u>90.75</u>	\$ <u>4,078,758.75</u>
2.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ <u>56.00</u>	\$ <u>5,600.00</u>
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ <u>44.00</u>	\$ <u>3,960.00</u>
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>370.00</u>	\$ <u>122,100.⁰⁰</u>
5.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>245.00</u>	\$ <u>14,700.⁰⁰</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ <u>8,500.⁰⁰</u>	\$ <u>170,000.⁰⁰</u>
7.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ <u>1,400.⁰⁰</u>	\$ <u>7,000.⁰⁰</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	15	EA	\$ <u>6,400.⁰⁰</u>	\$ <u>96,000.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ <u>3.72</u>	\$ <u>169,883.60</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>48.00</u>	\$ <u>34,800.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>11.25</u>	\$ <u>4,500.⁰⁰</u>
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,500.⁰⁰</u>	\$ <u>7,000.⁰⁰</u>
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>63,500.⁰⁰</u>	\$ <u>63,500.⁰⁰</u>
15.	Silt fence including all associated items, stakes, and fence. CIP including furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ <u>1.50</u>	\$ <u>52,537.50</u>
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ <u>20.00</u>	\$ <u>2,700.00</u>
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ <u>440.00</u>	\$ <u>63,800.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ <u>6,500.⁰⁰</u>	\$ <u>6,500.⁰⁰</u>
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ <u>105.00</u>	\$ <u>5,250.⁰⁰</u>
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>60,000.⁰⁰</u>	\$ <u>60,000.⁰⁰</u>
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
22.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL BASE BID
 U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)
 (ITEMS 1 THROUGH 23):

Four million nine hundred eighty eight Dollars \$ 4,988,789.85
 (Words) (Numbers)
thousand seven hundred eighty nine dollars and
eighty five cents.

ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ <u>93.00</u>	\$ <u>1,348,500.⁰⁰</u>
2.	16 IN AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50 (Line "A") and STA. 10+00 to STA 72+87 (Line "C").	30,445	LF	\$ <u>74.68</u>	\$ <u>2,273,632.⁶⁰</u>
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ <u>56.00</u>	\$ <u>5,600.⁰⁰</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ <u>44.00</u>	\$ <u>3,960.⁰⁰</u>
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>460.00</u>	\$ <u>151,800.⁰⁰</u>
6.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>245.00</u>	\$ <u>14,700.⁰⁰</u>
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ <u>8,500.⁰⁰</u>	\$ <u>170,000.⁰⁰</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
8.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ <u>1,400.⁰⁰</u>	\$ <u>7,000.⁰⁰</u>
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	15	EA	\$ <u>6,400.⁰⁰</u>	\$ <u>96,000.⁰⁰</u>
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ <u>3.72</u>	\$ <u>167,883.60</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>48.00</u>	\$ <u>34,800.⁰⁰</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>11.75</u>	\$ <u>4,700.⁰⁰</u>
13.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.⁰⁰</u>	\$ <u>4,500.⁰⁰</u>
14.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,500.⁰⁰</u>	\$ <u>7,000.⁰⁰</u>
15.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>63,500.⁰⁰</u>	\$ <u>63,500.⁰⁰</u>
16.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ <u>1.50</u>	\$ <u>52,537.50</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
17.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ 20.00	\$ 2,700.00
18.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 440.00	\$ 63,800.00
19.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 6,500.00	\$ 6,500.00
20.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 105.00	\$ 5,250.00
21.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 60,000.00	\$ 60,000.00
22.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 24):

Four million five hundred sixty one thousand Dollars \$ 4,561,863.70
 eight hundred sixty three dollars and (Words)
 seventy cents, (Numbers)

ALTERNATIVE BID NO. 2
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)
(INCLUDES SOME OWNER-PROVIDED MATERIAL)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	44,945	LF	\$ <u>47.00</u>	\$ <u>2,112,415.00</u>
2.	8 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	100	LF	\$ <u>50.00</u>	\$ <u>5,000.00</u>
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	90	LF	\$ <u>36.50</u>	\$ <u>3,285.00</u>
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>370.00</u>	\$ <u>122,100.00</u>
5.	16 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>245.00</u>	\$ <u>14,700.00</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	22	EA	\$ <u>1,800.00</u>	\$ <u>39,600.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
7.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	5	EA	\$ <u>750.00</u>	\$ <u>3,750.00</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	15	EA	\$ <u>2,800.00</u>	\$ <u>42,000.00</u>
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ <u>3.72</u>	\$ <u>167,883.60</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>48.00</u>	\$ <u>34,800.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>11.75</u>	\$ <u>4,700.00</u>
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,500.00</u>	\$ <u>7,000.00</u>
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>72,500.00</u>	\$ <u>72,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
15.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ <u>1.50</u>	\$ <u>52,537.50</u>
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ <u>20.00</u>	\$ <u>2,700.⁰⁰</u>
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ <u>440.00</u>	\$ <u>63,800.⁰⁰</u>
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ <u>6,500.⁰⁰</u>	\$ <u>6,500.⁰⁰</u>
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ <u>105.00</u>	\$ <u>5,250.⁰⁰</u>
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>35,000.⁰⁰</u>	\$ <u>35,000.⁰⁰</u>
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
22.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
23.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 2
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2
(INCLUDES SOME OWNER-PROVIDED MATERIAL)
(ITEMS 1 THROUGH 23):

Two million eight hundred seventeen thousand five hundred twenty one dollars and ten cents. Dollars \$ 2,817,521.10
(Words) (Numbers)

ALTERNATIVE BID NO. 3
HDPE PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 3 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ _____	\$ <u>No BID</u>
2.	24 IN AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50. (Line "A") and STA. 10+00 to 72+87 (Line "C").	30,445	LF	\$ _____	\$ <u>No BID</u>
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ _____	\$ <u>No BID</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ _____	\$ <u>No BID</u>
5.	36 IN minimum steel cover pipe including furnishing, installing, and trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	210	LF	\$ _____	\$ <u>No BID</u>
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	120	LF	\$ _____	\$ <u>No BID</u>
7.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ _____	\$ <u>No BID</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ _____	\$ <u>No BID</u>
9.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ _____	\$ <u>No BID</u>
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	15	EA	\$ _____	\$ <u>No BID</u>
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ _____	\$ <u>No BID</u>
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ _____	\$ <u>No BID</u>
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ _____	\$ <u>No BID</u>
14.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ _____	\$ <u>No BID</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ _____	\$ <u>No BID</u>
16.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ _____	\$ <u>No BID</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
17.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ _____	\$ <u>No BID</u>
18.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ _____	\$ <u>No BID</u>
19.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ _____	\$ <u>No BID</u>
20.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ _____	\$ <u>No BID</u>
21.	36 IN minimum steel casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ _____	\$ <u>No BID</u>
22.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ _____	\$ <u>No BID</u>
23.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
25.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 3
 HDPE PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 25):

_____ Dollars \$ No BID
 (Words) (Numbers)

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids; *See Attached-A*
 - C. Contractor's License No. —, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids.
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted on Feb. 28, 2012 by:

If Bidder is:

An Individual

~~Name (typed or printed): _____~~
~~By: _____~~
~~(Individual's signature)~~

~~Doing business as: _____~~
~~Business Address: _____~~
~~Phone No.: _____ E-mail: _____~~
~~State Contractor License No. (If applicable): _____~~

A Partnership

~~Partnership Name: _____~~
~~By: _____~~
~~(Signature of general partner -- attach evidence of authority to sign)~~

~~Name (typed or printed): _____~~
~~Business Address: _____~~
~~Phone No.: _____ E-mail: _____~~
~~State Contractor License No. (If applicable): _____~~

A Corporation

Corporation Name: MAC Construction & Excavating, Inc. (SEAL)

State of Incorporation: Indiana

Type (General Business, Professional, Service, Limited Liability): Gen. Business

By: [Signature]
 (Signature -- attach evidence of authority to sign) See Attached- B

Name (typed or printed): Travis O. Unruh

Title: President
 (CORPORATE SEAL)

Attest: [Signature]

Business Address: 1908 Unruh Ct., New Albany, IN - Darlene S. Cochran - Corp. Sec./C.F.O.

Phone No.: 812-941-7895 E-mail: rustyce@macconstruction.com

State Contractor License No. (If applicable): FEIN# 35-1487672

Date of Qualification to do business in Indiana is 07/01/1980
 [State where Project is located]

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____

(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

A

TC 14 - 2
Rev. 2/05



Certificate of Eligibility

CERTIFICATE NO.

A 2011
00568

ISSUED BY
COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

This Certifies that **MAC CONSTRUCTION & EXCAVATING INC WOS UNRUH UNLIMITED INC**
1500 ENVOY CIRCLE SUITE 1510
LOUISVILLE KY 40299

is hereby qualified to accept a contract or subcontract on projects of the Department of Highways for such a period as uncompleted work under prime contract at any time does not exceed the aggregate amount of **UNLIMITED**. This certificate which expires **December 31, 2011** is subject to revision or revocation, and is extended to 120 days from this expiration date. An application for renewal of this certificate must be filed within ninety days after the above date.

TYPES OF WORK

- | | | | |
|------------|--|------------|---|
| <u>A</u> | <u>GRADE AND DRAIN</u> | <u>B</u> | <u>PORTLAND CEMENT CONCRETE PAVING</u> |
| <u>C1</u> | <u>ASPHALT PAVING OPTION B</u> | <u>C2</u> | <u>ASPHALT PAVING OPTION A</u> |
| <u>E1</u> | <u>BRIDGES NOT MORE THAN 70 FT. CLEAR SPAN</u> | <u>E2</u> | <u>BRIDGES NOT MORE THAN 100 FT. CLEAR SPAN</u> |
| <u>E3</u> | <u>BRIDGES 100 FT. CLEAR SPAN AND OVER</u> | <u>E5</u> | <u>BRIDGES OVER NAVIGABLE STREAMS</u> |
| <u>I26</u> | <u>BUILDINGS AND RELATED CONSTRUCTION</u> | <u>I27</u> | <u>DEMOLITION</u> |
| <u>J44</u> | <u>MECHANICAL</u> | | |

DATE ISSUED:

March 30, 2011

BY

STATE HIGHWAY ENGINEER
DEPARTMENT OF HIGHWAYS

**MINUTES OF THE
SPECIAL BOARD OF DIRECTORS MEETING
OF
MAC CONSTRUCTION & EXCAVATING, INC.**

Pursuant to Waiver of Notice (a copy of which is attached), an annual meeting of the BOARD OF DIRECTORS of the above corporation was held on December 4, 2010. The purpose of the special meeting was to select and approve the election of the officers to be effective January 1, 2011.

I. QUORUM. A quorum was declared present based on the presence of the following directors:

Victor O. Unruh Jean M. Unruh Travis Unruh Chad Unruh

Also present was Darlene S. Cochran, Secretary of the Corporation.

II. CHAIRPERSON AND SECRETARY. JEAN M. UNRUH, Director was appointed chairperson of the meeting, and DARLENE S. COCHRAN, Secretary was appointed as secretary of the meeting to prepare a record of the proceedings.

III. ELECTION OF OFFICERS. The following were elected as officers to serve the Corporation during the ensuing year and until the next annual meeting of the Board of Directors or until election and qualification of their successors:

Name : Travis O. Unruh
Office: President

Name : Chad M. Unruh
Office: Chief Executive Officer

Name : Darlene S. Cochran
Office: Chief Financial Officer & Secretary

Name : Jerry McHugh
Office: Chief Information Officer

IV. CONTRACTUAL AUTHORIZATION.

(a) The President and Chief Executive Officer are the only individuals granted the authority to sign any and all contractual obligations of the Corporation.

(b) The President and Chief Executive Officer may grant to other Officers or to other representatives of the Corporation certain powers and authority, as they deem necessary, to sign job related documents on behalf of the Corporation. Any such authorities will be identified in writing and will be approved with signatures of the President and Chief Executive Officer.

V. **ADJOURN.** There being no further business to come before the Directors, the meeting was adjourned.



JEAN M. UNRUH, Chairperson



DARLENE S. COCHRAN, Secretary

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Mac Construction & Excavating, Inc., as Principal and Travelers Casualty and Surety Company (BIDDER) of America of the City of Hartford, State of CT, a corporation existing under the laws and the State of CT

and authorized to transact business in the State of Kentucky, as Surety, are held and firmly bound unto Kentucky-American Water Company, 2300 Richmond Road, Lexington, KY 40502, hereinafter called the Oblige, in the sum of Ten Percent of Amount Bid----- Dollars

(\$ 10%), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated Feb. 28, 2012 for the Northern Div. Connection U.S. 127 Water Transmission main & KY 607 Water Main Extension-Phase 1 & U.S. 127 & KY 22 Water Transmission Main Phase 2

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon due acceptance of said Bid and award of a Contract to him by the Oblige, bonds with good and sufficient surety as may be required by the Contract Documents, and furnishes the Oblige proper evidence of effectiveness of insurance coverage, respectively, within the time, in the forms and in the amounts, as appropriate, required by the Contract Documents, and enters into a Contract with the Oblige in accordance with the Contract Documents, then this Bond shall be void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to perform all conditions of this Bond, they will pay the sum of the Bond to the Oblige as fixed, liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Oblige may accept such Bid; and said Surety does hereby waive notice of any such extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 28th day of February, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28, 2012

WITNESS:

Mac Construction & Excavating, Inc.

Name of Bidder, Corporation

Firm or Individual

By

TRAVIS O. UNRUH - PRESIDENT
(Title)




DARLENE S. COCHRAN - CORP. SEC./
C.F.O.

1908 Unruh Court

New Albany, IN 47150
Business Address of Bidder

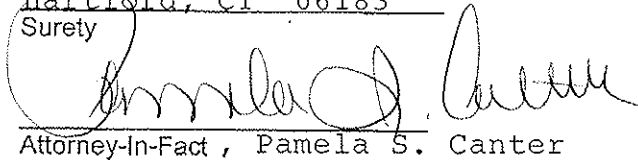
ATTEST:


Secretary

Travelers Casualty and Surety
Company of America

One Tower Square
Hartford, CT 06183

Surety


Attorney-In-Fact, Pamela S. Canter

NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that we Travelers Casualty and Surety Company of America, as Surety, a corporation existing under the laws of the State of CT, and authorized to transact business in the State of _____, hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of See on Page 1 behalf of Kentucky-American Water Company, hereinafter called the Bidder, provided that the Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the _____ the amount of the Bid Bond.

Travelers Casualty and Surety Company of America

February 28, 2012
Date

Corporate Surety


(AFFIX CORPORATE SEAL)

Pamela S. Canter, Attorney in Fact
Title

One Tower Square

Hartford, CT 06183
Business Address



Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, United States Fidelity and Guaranty Company

Attorney-In Fact No. 224670

Certificate No. 004723124

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Paula J. Teague, Ruth Ann Herzog, Todd P. Loehnert, Pamela S. Canter, Jeffrey Duncan, Walter M. Zolla, Deborah L. Burton, and John B. Ayres

of the City of Louisville, State of Kentucky, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

The authority granted hereunder to sign, execute, seal and acknowledge any individual bond, recognizance, conditional undertaking, and other writing obligatory in the nature thereof is not limited to a specified dollar amount

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 6th day of February, 2012.

Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, United States Fidelity and Guaranty Company



State of Connecticut, City of Hartford ss.

By: [Signature] George W. Thompson, Senior Vice President

On this the 6th day of February, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal. My Commission expires the 30th day of June, 2016.



[Signature] Marie C. Tetreault, Notary Public

BIDDER: MAC Construction + Excavating, Inc.

BID FORMS

NORTHERN DIVISION CONNECTION
U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1
AND
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2

PROJECT NO. IP-1232-3

KENTUCKY AMERICAN WATER

BIDDER: **GARNEY COMPANIES, INC.**

BID FORMS

NORTHERN DIVISION CONNECTION
U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1
AND
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2

PROJECT NO. IP-1232-3

KENTUCKY AMERICAN WATER

BID FORM	
Date: _____	Time: _____
Signature: _____	
Senior Management	
Witness: _____	
<i>For Water Company Use Only</i>	

BID FORM

NORTHERN DIVISION CONNECTION U.S. 127 WATER TRANSMISSION MAIN AND KY 607 WATER MAIN EXTENSION, PHASE 1 AND

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2
Project No. IP-1232-3

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Kentucky American Water
Jason Hurt, P.E., Senior Project Engineer
2300 Richmond Road
Lexington, KY 40502

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted and the Contract awarded to Bidder, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for **365** days after the Bid opening. The Contractor in its Bid shall include monthly increase in Bid amount if the Bid is not awarded within 120 days. Bidder will sign and submit the Agreement with the Bonds (if any) and other documents required by the Bidding Requirements within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, including but not limited to the Drawings, Specifications, Geotechnical Baseline Report, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
<u>1</u>	<u>February 23, 2012</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.
- E. Bidder has considered the information known to Bidder, information and observations obtained from visits to the Site, information commonly known to contractors doing business in the locality of the Site, the Bidding Documents, and the reports and drawings identified in the Bidding Documents and referred to in Paragraph 3.01.D above with respect to the effect of such information and observations on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder is prepared to comply with the applicable requirements of Owner’s safety program, if any.

- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding;
- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value likely to influence the action of a public official [or American Water Systems official] in the bidding process.
 - 2. “Fraudulent practice” means a misrepresentation of facts made: (a) to influence the bidding or negotiating process to the detriment of Owner; (b) to establish bid prices at artificial non-competitive levels; or (c) to deprive Owner of the benefits of free and open competition.
 - 3. “Collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - 4. “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

If specific materials are to be furnished by the Owner, the prices provided herein include installation of such materials only. Otherwise the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Phase 1 and Phase 2 are separate projects and will be awarded separately. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 01075-Basis of Payment. Quantities are not guaranteed. Final payment will be based on actual quantities.

Contract award will be made based on the computed total base bid plus any portions of the alternative bid selected and portions of the base bid eliminated. OWNER reserves the right to accept or reject any alternatives to the computed total base bid prior to Notice of Award.

If a Contract is to be awarded, it will be awarded to the responsive and responsible Bidder with either the lowest computed total base bid or the lowest computed total with portions of the alternative bid selected and portions of the base bid eliminated by OWNER whose evaluation indicates to OWNER that the award will be in the best interest of the Project. Bid from the successful Bidder for the computed base bid or alternative bid selected by OWNER may not necessarily be lower in prices than other computed total base bids or alternative bids.

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the drawings. Bidder agrees to perform the Work as shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

See Section 01075-Basis of Payment for discussion of cash allowances to include in the Bid.

**U.S. 127 WATER TRANSMISSION MAIN AND
KY 607 WATER MAIN EXTENSION, PHASE 1**

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	39,620	LF	\$ <u>89.00</u>	\$ <u>3,526,180.00</u>
2.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ <u>85.00</u>	\$ <u>13,175.00</u>
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>56.00</u>	\$ <u>29,680.00</u>
4.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ <u>47.00</u>	\$ <u>5,405.00</u>
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ <u>490.00</u>	\$ <u>274,400.00</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>6,550.00</u>	\$ <u>85,150.00</u>
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation), CIP according to detail.	4	EA	\$ <u>13,000.00</u>	\$ <u>52,000.00</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	7	EA	\$ <u>5,000.00</u>	\$ <u>35,000.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
9.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
10.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>2.00</u>	\$ <u>80,840.00</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>40.00</u>	\$ <u>32,600.00</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe; including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>20.00</u>	\$ <u>8,600.00</u>
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>1,200.00</u>	\$ <u>1,200.00</u>
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>1,500.00</u>	\$ <u>1,500.00</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,600.00</u>	\$ <u>10,800.00</u>
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, installation, and unclassified excavation.	1	EA	\$ <u>1,000.00</u>	\$ <u>1,000.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>77,000.00</u>	\$ <u>77,000.00</u>
18.	Check Valve Vault with Bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing, CIP, includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>35,000.00</u>	\$ <u>35,000.00</u>
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>46,500.00</u>	\$ <u>186,000.00</u>
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>2.00</u>	\$ <u>63,200.00</u>
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>5.00</u>	\$ <u>500.00</u>
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing and installing, and trenching under creek (water pipe not included).	110	LF	\$ <u>150.00</u>	\$ <u>16,500.00</u>
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ <u>75.00</u>	\$ <u>3,375.00</u>
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>26,900.00</u>	\$ <u>26,900.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main					
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
27.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
28.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL BASE BID

U.S. 127 WATER TRANSMISSION MAIN, PHASE 1 (ITEMS 1 THROUGH 28):

Four Million Five Hundred Ninety-Six Thousand	Dollars \$	4,596,905.00
Nine hundred Five Dollars and Zero Cents	(Words)	(Numbers)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	10,700	LF	\$ <u>36.00</u>	\$ <u>385,200.00</u>
2.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8,475	LF	\$ <u>33.00</u>	\$ <u>279,675.00</u>
3.	10 IN minimum steel cover pipe, furnishing, installing, trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	285	LF	\$ <u>300.00</u>	\$ <u>85,500.00</u>
4.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	8	EA	\$ <u>1,100.00</u>	\$ <u>8,800.00</u>
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail.	16	EA	\$ <u>5,000.00</u>	\$ <u>80,000.00</u>
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ <u>1,200.00</u>	\$ <u>9,600.00</u>
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ <u>1,900.00</u>	\$ <u>7,600.00</u>
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ <u>16.00</u>	\$ <u>1,600.00</u>
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and drawings.	19,175	LF	\$ <u>2.00</u>	\$ <u>38,350.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ <u>35.00</u>	\$ <u>1,400.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ <u>16.00</u>	\$ <u>3,680.00</u>
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, and installation including unclassified excavation.	2	EA	\$ <u>3,400.00</u>	\$ <u>6,800.00</u>
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ <u>2.00</u>	\$ <u>38,280.00</u>
14.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ <u>5.00</u>	\$ <u>275.00</u>
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ <u>100.00</u>	\$ <u>7,500.00</u>
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ <u>35.00</u>	\$ <u>525.00</u>
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ <u>3,100.00</u>	\$ <u>6,200.00</u>
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>6,900.00</u>	\$ <u>6,900.00</u>

COMPUTED TOTAL BASE BID

KY 607 WATER TRANSMISSION MAIN, PHASE 1 (ITEMS 1 THROUGH 18):

Nine hundred sixty-seven thousand Eight hundred Dollars \$ 967,885.00
Eighty-five dollars and zero Cents (Words) (Numbers)

ALTERNATIVE BID NO. 1

U.S. 127 TUNNEL

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 alignment.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	33,135	LF	\$ <u>89.00</u>	\$ <u>2,949,015.00</u>
2.	16 IN restrained joint DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	875	LF	\$ <u>110.00</u>	\$ <u>96,250.00</u>
3.	12 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	155	LF	\$ <u>85.00</u>	\$ <u>13,175.00</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>56.00</u>	\$ <u>29,680.00</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Bypass of the Monterey Tank.	115	LF	\$ <u>47.00</u>	\$ <u>5,405.00</u>
6.	36 IN minimum steel cover pipe, furnishing and installing, including unclassified boring, tunneling, and/or jacking (water pipe not included).	670	LF	\$ <u>1,520.00</u>	\$ <u>1,018,400.00</u>
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	550	LF	\$ <u>490.00</u>	\$ <u>269,500.00</u>
8.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>6,550.00</u>	\$ <u>85,150.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	5	EA	\$ <u>13,000.00</u>	\$ <u>65,000.00</u>
10.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	7	EA	\$ <u>5,000.00</u>	\$ <u>35,000.00</u>
11.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, and backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	34,140	LF	\$ <u>2.00</u>	\$ <u>68,280.00</u>
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	315	LF	\$ <u>40.00</u>	\$ <u>12,600.00</u>
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	405	LF	\$ <u>20.00</u>	\$ <u>8,100.00</u>
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>1,200.00</u>	\$ <u>1,200.00</u>
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>1,500.00</u>	\$ <u>1,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,600.00</u>	\$ <u>10,800.00</u>
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>1,000.00</u>	\$ <u>1,000.00</u>
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>77,000.00</u>	\$ <u>77,000.00</u>
20.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>35,000.00</u>	\$ <u>35,000.00</u>
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	4	EA	\$ <u>46,500.00</u>	\$ <u>186,000.00</u>
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	25,980	LF	\$ <u>2.00</u>	\$ <u>51,960.00</u>
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	90	EA	\$ <u>5.00</u>	\$ <u>450.00</u>
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	150	LF	\$ <u>150.00</u>	\$ <u>22,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 TUNNEL (ALTERNATIVE BID NO. 1)					
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	30	LF	\$ <u>75.00</u>	\$ <u>2,250.00</u>
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>23,550.00</u>	\$ <u>23,550.00</u>
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
29.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
30.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 1
U.S. 127 TUNNEL (PHASE 1), ITEMS 1 THROUGH 30:

Five Million Ninety-Nine Thousand Six Hundred Dollars \$ 5,099,665.00
(Words) (Numbers)
sixty-five dollars and zero cents

ALTERNATIVE BID NO. 2
PVC PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 2 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ <u>89.00</u>	\$ <u>2,127,100.00</u>
2.	16 IN PVC, AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ <u>76.50</u>	\$ <u>1,202,580.00</u>
3.	12 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ <u>85.00</u>	\$ <u>13,175.00</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>56.00</u>	\$ <u>29,680.00</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ <u>47.00</u>	\$ <u>5,405.00</u>
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ <u>490.00</u>	\$ <u>274,400.00</u>
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>6,550.00</u>	\$ <u>85,150.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
8.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>13,000.00</u>	\$ <u>52,000.00</u>
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ <u>5,000.00</u>	\$ <u>35,000.00</u>
10.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>5,000.00</u>	\$ <u>5,000.00</u>
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>2.00</u>	\$ <u>80,840.00</u>
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>40.00</u>	\$ <u>32,600.00</u>
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>20.00</u>	\$ <u>8,600.00</u>
14.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>1,200.00</u>	\$ <u>1,200.00</u>
15.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>1,500.00</u>	\$ <u>1,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
16.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,600.00</u>	\$ <u>10,800.00</u>
17.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>1,000.00</u>	\$ <u>1,000.00</u>
18.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>77,000.00</u>	\$ <u>77,000.00</u>
19.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>35,000.00</u>	\$ <u>35,000.00</u>
20.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>46,500.00</u>	\$ <u>186,000.00</u>
21.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>2.00</u>	\$ <u>63,200.00</u>
22.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>5.00</u>	\$ <u>500.00</u>
23.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ <u>150.00</u>	\$ <u>16,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe (Alternative Bid No. 2)					
24.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ <u>75.00</u>	\$ <u>3,375.00</u>
25.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
26.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>43,550.00</u>	\$ <u>43,550.00</u>
27.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
28.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
29.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 2

PVC PIPE VERSUS DI PIPE, PHASE 1 (ITEMS 1 THROUGH 29):

Four Million Four hundred Seventeen ^{Thousand} Fifty-five Dollars \$ 4,417,055.00
 (Words) Dollars and zero Cents (Numbers)

ALTERNATIVE BID NO. 3
U.S. 127 WATER TRANSMISSION MAIN (PHASE 1)
(INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	39,620	LF	\$ <u>46.45</u>	\$ <u>1,840,349.00</u>
2.	12 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	155	LF	\$ <u>46.00</u>	\$ <u>7,130.00</u>
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	530	LF	\$ <u>40.00</u>	\$ <u>21,200.00</u>
4.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	115	LF	\$ <u>35.00</u>	\$ <u>4,025.00</u>
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	560	LF	\$ <u>490.00</u>	\$ <u>274,400.00</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	13	EA	\$ <u>900.00</u>	\$ <u>11,700.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
7.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>13,000.00</u>	\$ <u>52,000.00</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	7	EA	\$ <u>1,400.00</u>	\$ <u>9,800.00</u>
9.	6 IN blowoff hydrant for all sizes of water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	1	EA	\$ <u>1,400.00</u>	\$ <u>1,400.00</u>
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>2.00</u>	\$ <u>80,840.00</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>40.00</u>	\$ <u>32,600.00</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>20.00</u>	\$ <u>8,600.00</u>
13.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>1,200.00</u>	\$ <u>1,200.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
14.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing, and installation, unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>1,500.00</u>	\$ <u>1,500.00</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>3,600.00</u>	\$ <u>10,800.00</u>
16.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, and unclassified excavation.	1	EA	\$ <u>1,000.00</u>	\$ <u>1,000.00</u>
17.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe, bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>77,000.00</u>	\$ <u>77,000.00</u>
18.	Check valve vault with bypass including check valve, gate valves, DI pipe, including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>35,000.00</u>	\$ <u>35,000.00</u>
19.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>46,500.00</u>	\$ <u>186,000.00</u>
20.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>2.00</u>	\$ <u>63,200.00</u>
21.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>5.00</u>	\$ <u>500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 Water Transmission Main, Alternative Bid No. 3 (Includes Some Owner-Provided Material)					
22.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap including furnishing, installing, and trenching under creek (water pipe not included).	110	LF	\$ <u>150.00</u>	\$ <u>16,500.00</u>
23.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	45	LF	\$ <u>75.00</u>	\$ <u>3,375.00</u>
24.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
25.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>26,200.00</u>	\$ <u>26,200.00</u>
26.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
27.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
28.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 3

U.S. 127 WATER TRANSMISSION MAIN, PHASE 1, (INCLUDES SOME OWNER-PROVIDED MATERIALS)

(ITEMS 1 THROUGH 28):

Two Million Seven hundred Ninety-Two Thousand Dollars \$ 2,792,219.00
 (Words) (Numbers)
 Two hundred nineteen dollars and Zero Centy

ALTERNATIVE BID NO. 4
 KY 607 WATER TRANSMISSION MAIN, PHASE 1
 (INCLUDES SOME OWNER-PROVIDED MATERIALS)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
1.	6 IN PVC, AWWA C900 DR 14, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	10,700	LF	\$ <u>31.00</u>	\$ <u>331,700.00</u>
2.	6 IN PVC, AWWA C900 DR 18, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8,475	LF	\$ <u>29.00</u>	\$ <u>245,775.00</u>
3.	10 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	285	LF	\$ <u>300.00</u>	\$ <u>85,500.00</u>
4.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	8	EA	\$ <u>600.00</u>	\$ <u>4,800.00</u>
5.	6 IN blowoff hydrant for all sizes of water mains, including furnishing, trenching, laying, backfilling, including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL THAT WILL INCLUDE PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	16	EA	\$ <u>1,500.00</u>	\$ <u>24,000.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
6.	Customer services same side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	8	EA	\$ <u>1,200.00</u>	\$ <u>9,600.00</u>
7.	Customer services opposite side of road as main with tandem meter setter and individual pressure reducing valve, CIP, according to detail.	4	EA	\$ <u>1,900.00</u>	\$ <u>7,600.00</u>
8.	Additional 3/4 IN service pipe, furnishing, trenching, laying, and backfilling where required in addition to Items 5 and 6.	100	LF	\$ <u>16.00</u>	\$ <u>1,600.00</u>
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	19,175	LF	\$ <u>2.00</u>	\$ <u>38,350.00</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	40	LF	\$ <u>35.00</u>	\$ <u>1,400.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	230	LF	\$ <u>16.00</u>	\$ <u>3,680.00</u>
12.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, furnishing, installation, and unclassified excavation.	2	EA	\$ <u>3,400.00</u>	\$ <u>6,800.00</u>
13.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	19,140	LF	\$ <u>2.00</u>	\$ <u>38,280.00</u>
14.	Straw bales including all associated items, bales, stakes, CIP, furnishing, trenching, installing, and backfilling according to detail.	55	EA	\$ <u>5.00</u>	\$ <u>275.00</u>
15.	Stream crossing with 10 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	75	LF	\$ <u>100.00</u>	\$ <u>7,500.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
KY 607 Water Transmission Main					
16.	Stream crossing with crushed stone including furnishing and installing (water pipe not included).	15	LF	\$ <u>35.00</u>	\$ <u>525.00</u>
17.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	2	EA	\$ <u>3,100.00</u>	\$ <u>6,200.00</u>
18.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>6,900.00</u>	\$ <u>6,900.00</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 4

KY 607 WATER TRANSMISSION MAIN, PHASE 1, INCLUDES SOME OWNER-PROVIDED MATERIALS, (ITEMS 1 THROUGH 18):

Eight hundred twenty thousand Four hundred Eighty- Dollars \$ 820,485.00
 (Words) (Numbers)
 Five Dollars and Zero Cents

ALTERNATIVE BID NO. 5
HDPE PIPE VERSUS DI PIPE

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 5 material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 136+00 to 375+00.	23,900	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
2.	24 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 11+55 to 136+00 and STA. 375+00 to 407+60.	15,720	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
3.	18 IN HDPE, AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 11+55.	155	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	530	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
5.	6 IN PVC, AWWA C900 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, bends (unclassified excavation), and bypass of the Monterey Tank.	115	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
6.	36 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads including unclassified boring and jacking (water pipe not included).	200	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
7.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	360	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	13	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
9.	Combination air release vacuum valve including all associated tees, concrete vault, lid, backing, reducers, and bends (unclassified excavation). CIP according to detail.	4	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP according to detail.	7	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
11.	6 IN blowoff hydrant for all sizes of water mains including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP, according to detail, for the Cedar Creek crossing on the existing 6 IN PVC water main. Also includes abandoning the existing 4 IN and 6 IN water mains under Cedar Creek.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
12.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	40,420	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
13.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	815	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
14.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, Work includes furnishing, trenching, laying, and backfilling (unclassified excavation).	430	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
15.	Tie-in to existing 12 IN water mains including MJ sleeves, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
16.	Tie-in to existing 8 IN water mains including bends, plugs, furnishing and installation, including unclassified excavation, and bypass of the Monterey Tank.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
17.	Tie-in to existing 6 IN water mains including tapping sleeves, tapping gate valves, MJ sleeves, bends, plugs, furnishing and installation, unclassified excavation, and bypass of the Monterey Tank.	3	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
18.	Tie-in to existing 4 IN water mains including reducers, plugs, furnishing, and installation, including unclassified excavation.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
19.	Magnetic flow meter vault with bypass including magnetic flow meter, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
20.	Check valve vault with bypass including check valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, and backing. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
21.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	4	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
22.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	31,600	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe (Alternative Bid No. 5)					
23.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	100	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
24.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	110	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
25.	Stream crossing with crushed stone, including furnishing and installing (water pipe not included).	45	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
26.	Special creek crossing meter box, including gate valve, meter, and meter box, furnishing and installing according to detail.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
27.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>No Bid</u>	\$ <u>No Bid</u>
28.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
29.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
30.	Allowance for security according to Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 5
HDPE PIPE VERSUS DI PIPE, PHASE 1 (ITEMS 1 THROUGH 30):

No Bid Dollars \$ No Bid
(Words) (Numbers)

HDPE Pricing was more than double the price of DIP.

U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	44,945	LF	\$ <u>82.00</u>	\$ <u>3,685,490.00</u>
2.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ <u>59.00</u>	\$ <u>5,900.00</u>
3.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ <u>60.00</u>	\$ <u>5,400.00</u>
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>490.00</u>	\$ <u>161,700.00</u>
5.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>325.00</u>	\$ <u>19,500.00</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ <u>6,550.00</u>	\$ <u>131,000.00</u>
7.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, includes furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ <u>1,100.00</u>	\$ <u>5,500.00</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation), CIP, according to detail.	15	EA	\$ <u>5,000.00</u>	\$ <u>75,000.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
9.	Cleanup and restoration, including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ <u>2.00</u>	\$ <u>90,260.00</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>40.00</u>	\$ <u>29,000.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>20.00</u>	\$ <u>8,000.00</u>
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,400.00</u>	\$ <u>6,800.00</u>
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>26,350.00</u>	\$ <u>26,350.00</u>
15.	Silt fence including all associated items, stakes, and fence. CIP including furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ <u>2.00</u>	\$ <u>70,050.00</u>
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ <u>5.00</u>	\$ <u>675.00</u>
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ <u>150.00</u>	\$ <u>21,750.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)					
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing, and installing according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ <u>155.00</u>	\$ <u>7,750.00</u>
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>30,000.00</u>	\$ <u>30,000.00</u>
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
22.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
23.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL BASE BID
 U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)
 (ITEMS 1 THROUGH 23):

Four Million Four hundred Ten Thousand Dollars \$ 4,410,525.00
 (Words) (Numbers)
Five hundred Twenty-Five Dollars and Zero Cents

ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 1 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ <u>84.00</u>	\$ <u>1,218,000.00</u>
2.	16 IN AWWA C905 DR 18, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50 (Line "A") and STA. 10+00 to STA 72+87 (Line "C").	30,445	LF	\$ <u>68.00</u>	\$ <u>2,070,260.00</u>
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ <u>59.00</u>	\$ <u>5,900.00</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ <u>60.00</u>	\$ <u>5,400.00</u>
5.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>490.00</u>	\$ <u>161,700.00</u>
6.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>325.00</u>	\$ <u>19,500.00</u>
7.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ <u>6,550.00</u>	\$ <u>131,000.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
8.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ <u>1,100.00</u>	\$ <u>5,500.00</u>
9.	Fire hydrant for 16 IN DI pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	15	EA	\$ <u>5,000.00</u>	\$ <u>75,000.00</u>
10.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ <u>2.00</u>	\$ <u>90,260.00</u>
11.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>40.00</u>	\$ <u>29,000.00</u>
12.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>20.00</u>	\$ <u>8,000.00</u>
13.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
14.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,400.00</u>	\$ <u>6,800.00</u>
15.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>26,350.00</u>	\$ <u>26,350.00</u>
16.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ <u>2.00</u>	\$ <u>70,050.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
PVC Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 1)					
17.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ 5.00	\$ 675.00
18.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ 150.00	\$ 21,750.00
19.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ 8,400.00	\$ 8,400.00
20.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ 155.00	\$ 7,750.00
21.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ 68,550.00	\$ 68,550.00
22.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
23.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 1
PVC PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 24):

Four Million Fifty-One Thousand Eight Hundred Dollars \$ 4,051,845.00
(Words) (Numbers)
Forty-Five Dollars and Zero Cents

ALTERNATIVE BID NO. 2
 U.S. 127 AND KY 22 WATER TRANSMISSION MAIN (PHASE 2)
 (INCLUDES SOME OWNER-PROVIDED MATERIAL)

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
1.	16 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	44,945	LF	\$ <u>40.00</u>	\$ <u>1,797,800.00</u>
2.	8 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	100	LF	\$ <u>46.00</u>	\$ <u>4,600.00</u>
3.	6 IN DI pipe, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	90	LF	\$ <u>45.00</u>	\$ <u>4,050.00</u>
4.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	330	LF	\$ <u>490.00</u>	\$ <u>161,700.00</u>
5.	16 IN minimum steel cover pipe, furnishing, installing, and trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>325.00</u>	\$ <u>19,500.00</u>
6.	16 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	22	EA	\$ <u>900.00</u>	\$ <u>19,800.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
7.	6 IN C.I. AWWA N.R.S. gate valve and box. CIP includes trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	5	EA	\$ <u>655.00</u>	\$ <u>3,275.00</u>
8.	Fire hydrant for 16 IN DI pipe water mains, including trenching, laying, and backfilling including all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail. OWNER WILL PROVIDE MATERIAL INCLUDING PIPING, GATE VALVES, FITTINGS, AND HYDRANTS.	15	EA	\$ <u>1,400.00</u>	\$ <u>21,000.00</u>
9.	Cleanup and restoration including furnishing, material, daily mulch, and labor according to the Stormwater Pollution Prevention Plan and Drawings.	45,130	LF	\$ <u>2.00</u>	\$ <u>90,260.00</u>
10.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>40.00</u>	\$ <u>29,000.00</u>
11.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>20.00</u>	\$ <u>8,000.00</u>
12.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>4,500.00</u>	\$ <u>4,500.00</u>
13.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>3,400.00</u>	\$ <u>6,800.00</u>
14.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>26,350.00</u>	\$ <u>26,350.00</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2 (INCLUDES SOME OWNER-PROVIDED MATERIAL)					
15.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling according to detail.	35,025	LF	\$ <u>2.00</u>	\$ <u>70,050.00</u>
16.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing, and backfilling according to detail.	135	EA	\$ <u>5.00</u>	\$ <u>675.00</u>
17.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ <u>150.00</u>	\$ <u>21,750.00</u>
18.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ <u>8,400.00</u>	\$ <u>8,400.00</u>
19.	24 IN PVC SDR 35 casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ <u>155.00</u>	\$ <u>7,750.00</u>
20.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>30,000.00</u>	\$ <u>30,000.00</u>
21.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
22.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>	\$ <u>5,000</u>
23.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>	\$ <u>7,500</u>

COMPUTED TOTAL ALTERNATIVE BID NO. 2
U.S. 127 AND KY 22 WATER TRANSMISSION MAIN, PHASE 2
(INCLUDES SOME OWNER-PROVIDED MATERIAL)
(ITEMS 1 THROUGH 23):

Two Million Three hundred Fifty-Two Thousand Dollars \$ 2,352,760.00
Seven hundred Sixty dollars (Words) (Numbers)

ALTERNATIVE BID NO. 3
HDPE PIPE VERSUS DI PIPE (PHASE 2)

With this alternative, portions of the Base Bid items are changed to reflect Alternative No. 3 (Phase 2) material.

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
1.	16 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 10+00 to 155+00 (Line "A").	14,500	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
2.	24 IN AWWA C906 DR 7.3, furnishing, trenching, laying, and backfilling including all associated connections, tees, concrete backing, reducers, plugs, and bends (unclassified excavation). Approximate STA. 155+00 to 396+50. (Line "A") and STA. 10+00 to 72+87 (Line "C").	30,445	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
3.	8 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	100	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
4.	6 IN DI pipe, furnishing, trenching, laying, and backfilling including all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	90	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
5.	36 IN minimum steel cover pipe including furnishing, installing, and trenching under state maintained roads, including unclassified boring and jacking (water pipe not included).	210	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
6.	24 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	120	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
7.	16 IN minimum steel cover pipe, furnishing and installing, trenching under state maintained roads, including unclassified boring and/or jacking (water pipe not included).	60	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
8.	16 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying and backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	20	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
9.	6 IN C.I. AWWA N.R.S. gate valve and box, CIP, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, plugs, and bends (unclassified excavation).	5	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
10.	Fire hydrant for 16 IN DI and 24 IN HDPE pipe water mains, including furnishing, trenching, laying, backfilling, all associated tees, concrete backing, reducers, bends, gate valve, gate valve box, and all appurtenances (unclassified excavation). CIP according to detail.	15	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
11.	Cleanup and restoration, including furnishing, material, daily mulch, and labor, according to Stormwater Pollution Prevention Plan and drawings.	45,130	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
12.	Paved roadway restoration for concrete or bituminous county roads and driveways; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation) according to detail.	725	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
13.	Gravel roadway restoration for roadway and driveway crossings; no cover pipe, including furnishing, trenching, laying, and backfilling (unclassified excavation).	400	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
14.	Tie-in to existing 8 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
15.	Tie-in to existing 6 IN water mains including tapping sleeve, tapping gate and valve, furnishing and installation, including unclassified excavation.	2	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
16.	PRV valve vault with bypass including PRV valve, gate valves, DI pipe including bypass, tees, reducers, bends, concrete vault, lid, backing, electrical transducers, SCADA, and electric/SCADA pole. CIP includes furnishing, trenching, laying, and backfilling (unclassified excavation), according to detail.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>

Item No.	Description	Quantity	Unit	Unit Cost	Extension
HDPE Pipe Versus DI Pipe, Phase 2 (Alternative Bid No. 3)					
17.	Silt fence including all associated items, stakes, and fence. CIP includes furnishing, trenching, installing, and backfilling, according to detail.	35,025	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
18.	Straw bales including all associated items, bales, and stakes. CIP includes furnishing, trenching, installing and backfilling, according to detail.	135	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
19.	Stream crossing with 24 IN minimum steel casing pipe and concrete cap, including furnishing and installing, trenching under creek (water pipe not included).	145	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
20.	Special creek crossing meter box, including gate valve, meter, meter box, furnishing and installing, according to detail.	1	EA	\$ <u>No Bid</u>	\$ <u>No Bid</u>
21.	36 IN minimum steel casing pipe under existing force mains, including furnishing and installing (water pipe not included).	50	LF	\$ <u>No Bid</u>	\$ <u>No Bid</u>
22.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>No Bid</u>	\$ <u>No Bid</u>
23.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$5,000	\$5,000
24.	Allowance for permits according to Section 01075.	1	LS	\$5,000	\$5,000
25.	Allowance for Security per Specification Section 01075.	1	LS	\$7,500	\$7,500

COMPUTED TOTAL ALTERNATIVE BID NO. 3

HDPE PIPE VERSUS DI PIPE, PHASE 2 (ITEMS 1 THROUGH 25):

No Bid Dollars \$ No Bid
 (Words) (Numbers)

HDPE Pricing was more than double the price of DIP.

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No. see attached, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids.
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted on February 28, 2012 by: **GARNEY COMPANIES, INC.**

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No. See attach, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids.
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

- 9.01 This Bid is submitted on February 28, 2012 by: **COARNEY COMPANIES, INC.**

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Garney Companies, Inc.

Liberty Mutual Insurance Company (BIDDER) 610/832-8240
450 Plymouth Rd #400, Plymouth Meeting, PA 19462 as Principal and Western Surety Company 800/331-6053
PO Box 5077, Sioux Falls, SD 57117-5077 and
Sioux Falls SD & Plymouth Meeting, PA
State of SD & PA respectively, a corporation existing under the laws and the State of SD & MA, respectively

and authorized to transact business in the State of Kentucky, as Surety, are held and firmly

bound unto **Kentucky-American Water Company, 2300 Richmond Road, Lexington, KY 40502**, hereinafter called the Obligee, in the sum of

Ten (10%) Percent of Total Amount Bid _____ Dollars

(\$ 10% of total amount bid), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated February 28, 2012, for the Northern Division Connection US 127 Water Transmission Main and KY 607 Water Main Extension, Phase 1

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon due acceptance of said Bid and award of a Contract to him by the Obligee, bonds with good and sufficient surety as may be required by the Contract Documents, and furnishes the Obligee proper evidence of effectiveness of insurance coverage, respectively, within the time, in the forms and in the amounts, as appropriate, required by the Contract Documents, and enters into a Contract with the Obligee in accordance with the Contract Documents, then this Bond shall be void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to perform all conditions of this Bond, they will pay the sum of the Bond to the Obligee as fixed, liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Obligee may accept such Bid; and said Surety does hereby waive notice of any such extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 28 day of February, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28, 20 12

WITNESS:

Garney Copanies, Inc.

Name of Bidder, Corporation
Firm or Individual

By

[Signature]
STEPHEN P. FORD
VICE PRESIDENT
(Title)

[Signature]
STEPHEN M. McCANDLESS
CORPORATE SECRETARY

1333 NW Vivion Road

Kansas City ,MO 64118

Business Address of Bidder

~~ATTEST~~ Witness:

[Signature]
Secretary

Western Surety Company and

Liberty Mutual Insurance Company
Surety

[Signature]
Attorney-In-Fact Linda L. Nutt

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Linda L. Nutt

of Kansas City, MO, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

Surety Bond Number: Bid Bond
Principal: Garney Companies, Inc.
Obligee: Kentucky American Water Company
Amount of Bond: See Bond Form

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 19th day of September, 2006



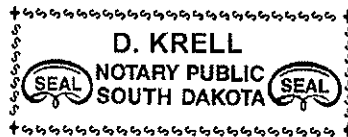
WESTERN SURETY COMPANY

Paul T. Bruflat
Paul T. Bruflat, Senior Vice President

State of South Dakota }
County of Minnehaha } ss

On this 19th day of September, 2006, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
November 30, 2012



D. Krell
D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 28th day of February, 2012.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS:

That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint, Linda L. Nutt its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any location within the United States, the following surety bond:

Principal Name: Garney Companies, Inc.

Obligee Name: Kentucky American Water Company

LMS Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 28th day of MARCH, 2009.

LIBERTY MUTUAL INSURANCE COMPANY



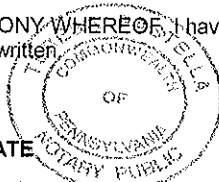
Garnet W. Elliott

By _____
Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of MARCH, 2009, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 28th day of February, 2012.



By David M. Carey
David M. Carey, Assistant Secretary

NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that we Western Surety Company and Liberty Mutual Insurance Company, as Surety, a corporation existing under the laws of the State of SD & MA, respectively, and authorized to transact business in the State of KY, hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of _____, on behalf of Garney Companies, Inc., hereinafter called the Bidder, provided that the Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the Obligee the amount of the Bid Bond.

February 28, 2012

Date

Western Surety Company and Liberty Mutual Insurance Company, as Co-Sureties

Corporate Surety

Linda L. Nutt

(AFFIX CORPORATE SEAL)

Linda L. Nutt, Attorney-in-Fact

Title

**THOMAS MCGEE, L.C.
820 MAIN ST., STE. 1700
KANSAS CITY, MO 64106
816/842/4800**

Business Address

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Linda L. Nutt

of Kansas City, MO, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

Surety Bond Number: Bid Bond
Principal: Garney Companies, Inc.
Obligee: Kentucky American Water Company
Amount of Bond: See Bond Form

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 19th day of September, 2006

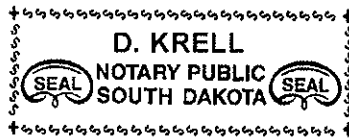


WESTERN SURETY COMPANY
Paul T. Brufat
Paul T. Brufat, Senior Vice President

State of South Dakota }
County of Minnehaha } ss

On this 19th day of September, 2006, before me personally came Paul T. Brufat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
November 30, 2012



D. Krell
D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 28th day of February, 2012



WESTERN SURETY COMPANY
L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS:

That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint, Linda L. Nutt its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any location within the United States, the following surety bond:

Principal Name: Garney Companies, Inc.

Obligee Name: Kentucky American Water Company

LMS Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 28th day of MARCH, 2009.

LIBERTY MUTUAL INSURANCE COMPANY

Garnet W. Elliott

By Garnet W. Elliott, Assistant Secretary



COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of MARCH, 2009, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA



Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 28th day of February, 2012.



By David M. Carey
David M. Carey, Assistant Secretary

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Garney Companies, Inc.

Liberty Mutual Insurance Company as Principal and Western Surety Company 800/331-6053
450 Plymouth Rd #400, Plymouth Meeting, PA 19462 BIDDER) 610/832-8240 PO Box 5077, Sioux Falls, SD 57117-5077 and
of the City of Sioux Falls SD & Plymouth Meeting, PA
SD & PA respectively respectively

State of _____, a corporation existing under the laws and the State of SD & MA, respectively

and authorized to transact business in the State of Kentucky, as Surety, are held and firmly

bound unto Kentucky-American Water Company, 2300 Richmond Road, Lexington, KY 40502, hereinafter called the Obligee, in the sum of

Ten (10%) Percent of Total Amount Bid _____ Dollars

(\$ 10% of total amount bid), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated February 28, 2012, for the US 127 and KY 22 Water Transmission Main, Phase 2

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon due acceptance of said Bid and award of a Contract to him by the Obligee, bonds with good and sufficient surety as may be required by the Contract Documents, and furnishes the Obligee proper evidence of effectiveness of insurance coverage, respectively, within the time, in the forms and in the amounts, as appropriate, required by the Contract Documents, and enters into a Contract with the Obligee in accordance with the Contract Documents, then this Bond shall be void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to perform all conditions of this Bond, they will pay the sum of the Bond to the Obligee as fixed, liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Obligee may accept such Bid; and said Surety does hereby waive notice of any such extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 28 day of February, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28, 2012

WITNESS:

Carney Copanies, Inc.

Name of Bidder, Corporation
Firm or Individual

By *[Signature]*
STEPHEN P. FORD

(Title)

1333 NW Vivion Road

Kansas City ,MO 64118

Business Address of Bidder

[Signature]
STEPHEN M. McCANDLESS
CORPORATE SECRETARY

~~ATTEST~~ Witness:

[Signature]
~~SECRETARY~~
Secretary

Western Surety Company and

Liberty Mutual Insurance Company.
Surety

[Signature]
Attorney-in-Fact Linda L. Nutt

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Linda L. Nutt

of Kansas City, MO, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

Surety Bond Number: Bid Bond
Principal: Garney Companies, Inc.
Obligee: Kentucky American Water Company
Amount of Bond: See Bond Form

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 19th day of September, 2006

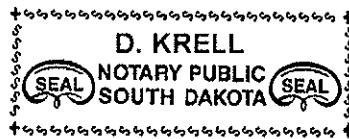


WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Senior Vice President

State of South Dakota }
County of Minnehaha } ss

On this 19th day of September, 2006, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
November 30, 2012



D. Krell
D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 28th day of February, 2012.



WESTERN SURETY COMPANY
L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney limits the acts of those named herein to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS:

That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint, Linda L. Nutt its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any location within the United States, the following surety bond:

Principal Name: Garney Companies, Inc.

Obligee Name: Kentucky American Water Company

LMS Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 28th day of MARCH, 2009.



LIBERTY MUTUAL INSURANCE COMPANY

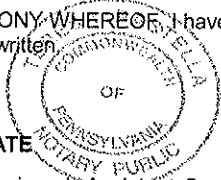
Garnet W. Elliott

By _____
Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of MARCH, 2009, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 28th day of February, 2012.



By David M. Carey
David M. Carey, Assistant Secretary

NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that we Western Surety Company and Liberty Mutual Insurance Company, as Surety, a corporation existing under the laws of the State of SD & MA, respectively, and authorized to transact business in the State of KY, hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of Garney Companies, Inc., on behalf of Garney Companies, Inc., hereinafter called the Bidder, provided that the Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the Obligee the amount of the Bid Bond.

February 28, 2012

Date

Western Surety Company and Liberty Mutual Insurance Company, as Co-Sureties

Corporate Surety

Linda L. Nutt

(AFFIX CORPORATE SEAL)

Linda L. Nutt, Attorney-in-Fact

Title

**THOMAS MCGEE, L.C.
920 MAIN ST., STE. 1700
KANSAS CITY, MO 64108
816/842/4800**

Business Address

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Linda L. Nutt

of Kansas City, MO, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

Surety Bond Number: Bid Bond
Principal: Garney Companies, Inc.
Obligee: Kentucky American Water Company
Amount of Bond: See Bond Form

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Senior Vice President and its corporate seal to be hereto affixed on this 19th day of September, 2006

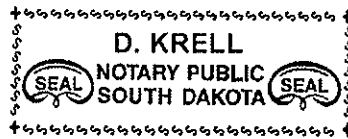


WESTERN SURETY COMPANY
Paul T. Bruflat
Paul T. Bruflat, Senior Vice President

State of South Dakota }
County of Minnehaha } ss

On this 19th day of September, 2006, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Senior Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
November 30, 2012



D. Krell
D. Krell, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 28th day of February, 2012.



WESTERN SURETY COMPANY
L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney limits the acts of those named herein to the authority to bind the Company in the manner and to the extent herein stated. Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees. To confirm the validity of this Power of Attorney call 610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS:

That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint, Linda L. Nutt its true and lawful attorney-in-fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any location within the United States, the following surety bond:

Principal Name: Garney Companies, Inc.

Obligee Name: Kentucky American Water Company

LMS Surety Bond Number: Bid Bond

Bond Amount: See Bond Form

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 28th day of MARCH, 2009.

LIBERTY MUTUAL INSURANCE COMPANY



Garnet W. Elliott
By
Garnet W. Elliott, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 28th day of MARCH, 2009, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

Teresa Pastella
By
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 28th day of February, 2012.



David M. Carey
By
David M. Carey, Assistant Secretary



ADVANCING WATER

CERTIFIED COPY OF RESOLUTION

OF

BOARD OF DIRECTORS

OF

GARNEY COMPANIES, INC.

The undersigned, Stephen M. McCandless hereby certifies that he is the duly elected and qualified Secretary of the Garney Companies, Inc. a Missouri Corporation (the "Company"), and that as Secretary, he maintains the records and the corporate seal of the Company. The undersigned further certifies that the following is a true and correct copy of the resolutions adopted by the unanimous consent of the members of the Board of Directors of the Company on the 4th day of March, 2010 and that such resolutions are now in full force and effect:

RESOLVED: *That Stephen P. Ford is hereby recognized as the Vice President of the Corporation to serve until the next annual meeting of the Directors and authorized and instructed to execute and deliver on behalf of the Corporation and its name, contracts, offers and bids pertaining to contracting and construction work to be performed by the Company.*

IN WITNESS WHEREOF, *the undersigned has hereby affixed his name as Secretary and caused the corporate seal of the Company to be affixed hereto this 28th day of February 2012.*

A handwritten signature in cursive script, appearing to read "S. M. McCandless", is written over a horizontal line.

Stephen M. McCandless, Corporate Secretary

Commonwealth of Kentucky
Elaine N. Walker, Secretary of State

Elaine N. Walker
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 110338

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to authenticate this certificate.

I, Elaine N. Walker, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

GARNEY COMPANIES, INC.

, a corporation organized under the laws of the state of Missouri, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on August 27, 1979.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 271B.16-220 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 24th day of February, 2011, in the 219th year of the Commonwealth.



Elaine N. Walker

Elaine N. Walker
Secretary of State
Commonwealth of Kentucky
110338/0118634

BID FORM	
Date: _____	Time: _____
Signature: _____	
Senior Management	
Witness: _____	
<i>For Water Company Use Only</i>	

BID FORM

KENTUCKY AMERICAN WATER NORTHERN DIVISION CONNECTION, PHASE 3 BOOSTER PUMP STATION WITH ELEVATED STORAGE TANK AND OWENTON ELEVATED STORAGE TANK

Project No. IP-1232-3

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Kentucky American Water
Jason Hurt, P.E., Senior Project Engineer
2300 Richmond Road
Lexington, KY 40502

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted and the Contract awarded to Bidder, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 365 days after the Bid opening. The Contractor in its Bid shall include monthly increases if the Bid is not awarded within 120 days. Bidder will sign and submit the Agreement with the Bonds (if any) and other documents required by the Bidding Requirements within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, including but not limited to the Drawings, Specifications, Geotechnical Baseline Report, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
1	February 23, 2012
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.
- E. Bidder has considered the information known to Bidder, information and observations obtained from visits to the Site, information commonly known to contractors doing business in the locality of the Site, the Bidding Documents, and the reports and drawings identified in the Bidding Documents and referred to in Paragraph 3.01.D above with respect to the effect of such information and observations on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

- H. Bidder is prepared to comply with the applicable requirements of Owner's safety program, if any.
- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding;
- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "Corrupt practice" means the offering, giving, receiving or soliciting of any thing of value likely to influence the action of a public official [or American Water Systems official] in the bidding process.
 - 2. "Fraudulent practice" means a misrepresentation of facts made: (a) to influence the bidding or negotiating process to the detriment of Owner; (b) to establish bid prices at artificial non-competitive levels; or (c) to deprive Owner of the benefits of free and open competition.
 - 3. "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - 4. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

If specific materials are to be furnished by the Owner, the prices provided herein include installation of such materials only. Otherwise the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Phase 1 and Phase 2 are separate projects and will be awarded separately. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 01075-Basis of Payment. Quantities are not guaranteed. Final payment will be based on actual quantities.

Contract award will be made based on the computed total base bid plus any portions of the alternative bid selected and portions of the base bid eliminated. OWNER reserves the right to accept or reject any alternatives to the computed total base bid prior to Notice of Award.

If a Contract is to be awarded, it will be awarded to the responsive and responsible Bidder with either the lowest computed total base bid or the lowest computed total with portions of the alternative bid selected and portions of the base bid eliminated by OWNER whose evaluation indicates to OWNER that the award will be in the best interest of the Project. Bid from the successful Bidder for the computed base bid or alternative bid selected by OWNER may not necessarily be lower in prices than other computed total base bids or alternative bids.

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the drawings. Bidder agrees to perform the Work as shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

See Section 01075-Basis of Payment for discussion of cash allowances to include in the Bid.

Item No.	Description	Quantity	Unit	Cost
Booster Pump Station with Elevated Storage Tank				
1.	Site grading including access road, furnishing, asphalt road, laying and backfilling. (unclassified excavation). See drawing sheets 3 and 4.	1	LS	\$ <u>250,000</u>
2.	Site plan including all piping, altitude vault, gate valves, fire hydrants, fencing, electric service poles, holding pond, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). See drawing sheets 3, 4, 13, 14, 15, and 16.	1	LS	\$ <u>700,000</u>

Item No.	Description	Quantity	Unit	Cost
Booster Pump Station with Elevated Storage Tank				
3.	Premanufactured booster pump station, electrical transducers, SCADA, electric/scada pole, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). Also includes brick face and accessories installed after delivery to site. See drawing sheets 5, 6, and 14.	1	LS	\$ <u>774,500</u>
4.	Elevated multi-leg tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling. Also includes all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 9.	1	LS	\$ <u>870,500</u>
5.	Cleanup and restoration, including furnishing material, daily mulch, and labor according to Stormwater Pollution Prevention Plan and drawings.	1	LS	\$ <u>15,000</u>
6.	Silt fence including all associated items, stakes, fence, cast in place, including furnishing, trenching, installing, and backfilling according to drawing detail.	1	LS	\$ <u>15,000</u>
7.	Straw bales including all associated items, bales, stakes, CIP, includes furnishing, trenching, installing and backfilling, as according to drawing detail.	1	LS	\$ <u>500</u>
8.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>25,000</u>
9.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>25,000</u>
10.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>
11.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>

COMPUTED TOTAL BASE BID-BOOSTER PUMP STATION WITH ELEVATED STORAGE TANK, PHASE 3 (ITEMS 1 THROUGH 11):

two million six hundred eighty-eight thousand
(Words)

Dollars \$ 2,688,000
(Numbers)

Item No.	Description	Quantity	Unit	Cost
Owenton Elevated Storage Tank				
1.	Site grading including access road, furnishing, asphalt road, laying and backfilling (unclassified excavation). See drawing sheet 8.	1	LS	\$ <u>92,000</u>
2.	Site plan including all piping, gate valves, fire hydrants, fencing, electrical service poles, and holding pond, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). See drawing sheets 8, 14, 15, and 16.	1	LS	\$ <u>555,000</u>
3.	Elevated multi-leg tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling. Also includes all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 9 and 12.	1	LS	\$ <u>1,084,000</u>
4.	Cleanup and restoration, including furnishing material, daily mulch, and labor in accordance with Stormwater Pollution Prevention Plan and drawings.	1	LS	\$ <u>10,000</u>
5.	Silt fence including all associated items, stakes, fence, cast-in-place, furnishing, trenching, installing and backfilling, as according to drawings.	1	LS	\$ <u>7,500</u>
6.	Straw bales including all associated items, bales, stakes, cast-in-place, furnishing, trenching, installing and backfilling, as according to drawings.	1	LS	\$ <u>500</u>
7.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>15,000</u>

COMPUTED TOTAL BASE BID-OWENTON ELEVATED STORAGE TANK, PHASE 3
(ITEMS 1 THROUGH 7)

one million seven hundred sixty-four thousand Dollars \$ 1,764,000
(Words) (Numbers)

BID ALTERNATIVES

ALTERNATIVE 1-FLUTED COLUMN ELEVATED TANK (300,000 GALLONS), BOOSTER PUMP STATION ELEVATED STORAGE TANK

Elevated fluted column tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 10.

one million one hundred forty thousand five hundred Dollars \$ 1,140,500
(Words) (Numbers)

ALTERNATIVE 2-COMPOSITE COLUMN ELEVATED TANK (300,000 GALLONS), BOOSTER PUMP STATION ELEVATED STORAGE TANK

Elevated composite column tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 11.

one million three hundred forty thousand five hundred Dollars \$ 1,340,500
(Words) (Numbers)

ALTERNATIVE 3-FLUTED COLUMN ELEVATED TANK (600,000 GALLONS), OWENTON ELEVATED STORAGE TANK

Elevated fluted column tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 10 and 12.

one million six hundred and eight thousand Dollars \$ 1,608,000
(Words) (Numbers)

ALTERNATIVE 4-COMPOSITE COLUMN ELEVATED TANK (600,000 GALLONS), OWENTON ELEVATED STORAGE TANK

Elevated composite column tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 11 and 12.

one million three hundred eighty-eight thousand Dollars \$ 1,388,000
(Words) (Numbers)

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.01 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No. N/A, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids. N/A in Kentucky
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted on February 28, 2012 by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____

(Individual's signature)

Doing business as: _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Partnership

Partnership Name: _____

By: _____

(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Corporation

Corporation Name: Caldwell Tanks, Inc. (SEAL)

State of Incorporation: Kentucky

Type (General Business, Professional, Service, Limited Liability): General Business

By: [Signature]

(Signature -- attach evidence of authority to sign)

Name (typed or printed): John R. Bickel

Title: Regional Sales Manager

(CORPORATE SEAL)

Attest: [Signature]

Business Address: 4000 Tower Road, Louisville, KY 40219

Phone No.: (502) 964-3361 E-mail: sales@caldwelltanks.com

State Contractor License No. (If applicable): N/A in Kentucky

Date of Qualification to do business in Kentucky is 02 / 01 / 1892.

[State where Project is located]

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that **CALDWELL TANKS, INC.**, Louisville, Kentucky, a Kentucky Corporation, has constituted and appointed, and does constitute and appoint the persons named below as its true and lawful Attorneys-in-Fact, to execute proposals for the sale of materials or the construction of work, to make contracts for same, and execute Surety Bonds to be used in connection therewith:

JOHN R. BICKEL
MICHAEL W. STULL
KENNETH EICHENBERGER
KEVIN J. GALLAGHER
JOHN E. KRAFT
JOHN E. SKRYPEK
PATRICK A. SMITH
CONRAD R. SPANGLER, III
JOSEPH S. STELTENKAMP
WILLIAM A. STETZLER
B. TIMOTHY MILLS
K. RYAN HARVEY

TERRY W. CURRENS
JASON ST. CLAIR
ELTON R. YOUART
DOM VILETTO
TREY EVANS
WALTER F. KEY
ANDREW M. ODORZYNSKI
DAVID G. CULL
JAMES M. BRADEN
TERRANCE L. HYATT
RYAN J. LEISEY

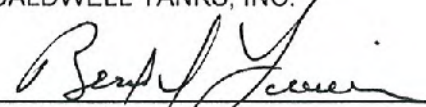
This appointment is made in accordance with Article V, Section 1 of the By-Laws of the Corporation as amended January 16, 1986, and still in full force and effect.

IN WITNESS WHEREOF, CALDWELL TANKS, INC. has caused these presents to be signed by its President, and its corporate seal to be thereunto affixed and duly attested by its Secretary this 6th day of February, 2012.

ATTEST:

CALDWELL TANKS, INC.

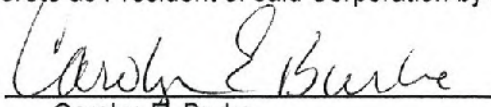
(SEAL) _____

BY: 
Bernard S. Fineman
President

STATE OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

On this 6th day of February, 2012, before me personally appeared Bernard S. Fineman, President of CALDWELL TANKS, INC., who being duly sworn, said he resides in the state of Kentucky; that he is President of CALDWELL TANKS, INC., the Corporation described in and which executed the foregoing instrument; that he knows the Corporate seal; that it was so affixed by order of the Board of Directors of said Corporation; and that he signed his name thereto as President of said Corporation by like authority.

(SEAL) _____

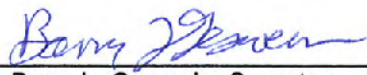
BY: 
Carolyn E. Burke
Notary Public, State at Large
MY COMMISSION EXPIRES 9/25/2015

STATE OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

I, Barry L. Geswein, Secretary of CALDWELL TANKS, INC. do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by CALDWELL TANKS, INC., which is still in full force and effect.

IN WITNESS WHEREOF, I have signed this certificate at Louisville, Kentucky, this 28th day of February, 2012

(SEAL) _____

BY: 
Barry L. Geswein, Secretary
Caldwell Tanks, Inc.



CERTIFICATE

This is to certify that Caldwell Tanks, Inc. has met all requirements and is licensed in to do business in the State of Kentucky.

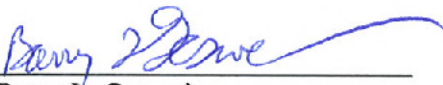
OUR STATUTORY AND PROCESS AGENT IS:

Corporation Service Company
d/b/a CSC-Lawyers Incorporating Service Company
421 West Main Street
Frankfort, Kentucky 40601

DATE QUALIFIED: 2/1/1892

Dated this 28th day of February, 2012.

ATTEST



 Barry L. Geswein
 Secretary

CALDWELL TANKS, INC.



 John R. Bickel
 Regional Sales Manager

(Seal)

KYQUAL.DOC



TORUS BOTTOM ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
300M Elevated 150' HWL	Calcasieu Parish Waterworks Starks, LA George Miller	Meyer & Associates, Inc. Sulphur, LA Mark McCarty, PE (337) 625-8353	11/11 \$648,200.00
300M Elevated 116'9" HWL	Village of Ohio City Ohio City, OH (419) 965-2255	Mote & Associates, Inc. Greenville, OH Jerry McClannan (937) 548-7511	1/11 \$669,000.00
300M Elevated 173' HWL	Surry County Dobson, NC Jack Gardin (336) 401-8358	Hobbs, Upchurch & Associates, PA Southern Pines, NC Adam P. Kiker (910) 692-5616	2/11 \$731,443.00
300M Elevated 183' HWL	Piedmont Triad Reg Water Auth. Greensboro, NC John Kim (336) 547-8437	Tritech Civil Environmental Asheboro, NC Phil Brower (336) 498-1060	12/10 \$1,071,000.00
300M Elevated 154' HWL	Southeast Rankin Water Assoc. Puckett, MS Philip Jones, President (601) 825-6992	Heflin Engineering Brandon, MS Hugh Heflin, PE (601) 824-7569	7/10 \$529,000.00
300M Elevated 116' 6" HWL	OKTOC Water Association Starkville, MS William Randle, President (662) 323-3127	Brent Engineering Service Starkville, MS Michael G. Brent (662) 324-0713	7/10 \$619,000.00
300M Elevated 159' 6" HWL	Marshall Co Water Assoc. Byhalia, MS Betty Wiggs, President (662) 890-7415	Elliot & Britt Engineers Oxford, MS Larry L. Britt, PE (662) 234-1763	3/10 \$797,360.00
300M Elevated 147' 3" HWL	Milligan Water System Baker, FL Martin Ellis, President (850) 537-9131	Peters Municipal Associates Dothan, AL Robert W. Lee (334) 793-5378	2/10 \$615,600.00
300M Elevated 106' HWL	County of Brunswick Bolivia, NC Jeff Phillips (910) 253-2500	Criser, Troutman, Tanner Engineers Wilmington, NC David Criser, PE (910) 397-2929	1/10 \$1,064,100.00
300M Elevated 137' 6" HWL	OEI Facilities Independence, MO Ken Thorton (816) 833-1100	The Larkin Group Kansas City, MO Greg Kendall, PE (816) 361-0440	12/09 \$764,800.00



COMPOSITE ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
500,000 Composite 165'-0" HWL CTI #: S-6607	Town of Holly Springs 128 South Main Street Holly Springs, NC 27540 Stephanie Sudano, PE Phone (919) 557-3926 Fax (919) 552-9881	Davis, Martin, Powell & Associates, Inc. 6415 Old Plank Road High Point, NC 27265 Michael Slusher, PE Phone (336) 886-4821 Fax (336) 886-4458	8/10 \$1,392,901.00
500,000 Composite 111'-6" HWL CTI #: E-6589	City of Granbury 400 North Park Street Granbury, TX 76048 Alva Cox Phone (817) 573-1114 Fax (817) 573-2779	Enprotec/Hibbs & Todd, Inc. 402 Cedar Street Abilene, TX 79601 John Voller, PE Phone (325) 698-5560 Fax (325) 691-0058	1/10 \$1,157,400.00
500,000 Composite 173'-0" HWL CTI #: E-5619 Rolesville, NC	City of Raleigh P.O. Box 590 Raleigh, NC 27602 Dale Crisp, PE Phone (919) 890-3400 Fax (919) 857-4545	Hazen and Sawyer, PC 4011 West Chase Boulevard, Suite 500 Raleigh, NC 27607 H. Thomas Tant, PE Phone (919) 833-7152 Fax (919) 833-1828	11/06 \$1,291,000.00
500,000 Composite 136'-6" HWL CTI #: E-5734	Worthington Public Utilities 318 Ninth Street Worthington, MN 56187 Scott Hain Phone (507) 372-8680 Fax (507) 372-8688	Banner Associates, Inc. 409 22 nd Avenue South Brookings, SD 57006 Chad Bachman Phone (605) 692-6342 Fax (605) 692-5714	8/06 \$828,400.00
500,000 Composite 147'-0" HWL CTI #: E-5443 Phil Campbell, AL	Waterworks & Sewer Board of the Town of Phil Campbell 215 McClung Street Phil Campbell, AL 35581 Howard Hutcheson Phone (205) 993-5464	Price, Rider & Mullins Engineers, Inc. 228 West Tennessee Street Florence, AL 35630 Don Price Phone (256) 766-8974 Fax (256) 766-8251	9/04 \$641,000.00
500,000 Composite 206'-0" HWL CTI #: E-4872 Nashville, TN	Nashville Highlands, LLC 8275 East Bell Road, Suite 200 Scottsdale, AZ 85260	Barge, Waggoner, Sumner & Cannon, Inc. 211 Commerce Street, Suite 600 Nashville, TN 37201 Juli Mosely Phone (615) 254-1500 Fax (615) 255-6572	2/02 \$819,000.00
500,000 Composite 182'-6" HWL CTI #: E-4722 Mooresville, NC	Heater Utilities P.O. Drawer 4889 Cary, NC 27519 Rudy Shaw Phone (919) 467-9829 Fax (919) 460-1788	Land Design, Inc. Charlotte, NC Dale Stewart Phone (704) 376-7777	8/01 \$715,700.00
500,000 Composite 110'-0" HWL CTI #: E-4468	City of Manhattan 1101 Poyntz Avenue Manhattan, KS 66502 Jack Messer	Schwab-Eaton, P.A. 1125 Garden Way Manhattan, KS 66502 Greg Fief Phone (785) 539-4687 Fax (785) 539-6419	5/00 \$612,000.00



FLUTED COLUMN ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
300M Fluted Column 130' HWL	City of Martins Ferry Martins Ferry, OH Randy Schrodes (740) 633-2876	Gannett Fleming, Inc. Pittsburgh, PA Tom Thompson, PE (412) 922-5575	11/05 \$911,000.00
475M Fluted Column 46'6" HWL	Nearman Water Treatment Plant Kansas City, KS	Black & Veatch Kansas City, MO (913) 458-2000	3/00 \$442,700.00
400M Fluted Column 170'5" HWL	Town of Middletown Middletown, MD	Acer Engineers & Cons., Inc. Hagerstown, MD (301) 791-1100	10/98 \$493,000.00
400M Fluted Column 135.5' HWL	City of Cheney Cheney, KS	Bartlett & West Engineers Hiawatha, KS (913) 742-7441	4/95 \$496,100.00
300M Fluted Column 161' HWL	City of Winter Haven Winter Haven, FL	City of Winter Haven WinterHaven, FL (941) 291-5664	6/99 \$583,800.00



TORUS BOTTOM ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
750M Elevated 127' HWL	Greenfield Water Association Brandon, MS Johnny Jones, President (601) 825-7178	Heflin Engineering, Inc. Brandon, MS Hugh Heflin (601) 824-7569	8/11 \$897,000.00
750M Elevated 144' 7" HWL	Edgefield Co Water & Sewer Authority Richard Shaffer (803) 637-3011	Genesis Consulting Group Columbia, SC William T. Knowles (803) 744-4514	7/11 \$989,000.00
750M Elevated 184' 6" HWL	City of Shelby Shelby, NC Brad Cornwell (704) 669-6575	Jordan, Jones & Goulding, Inc Norcross, GA Matt Shoesmith (770) 455-8555	6/10 \$1,894,000.00
750M Elevated 161' HWL	Chatham Co Water System Pittsboro, NC Robin James (919) 545-8364	Hobbs, Upchurch & Associates Southern Pine, NC Fredrick M. Hobbs (910) 692-5616	3/10 \$1,238,000.00
750M Elevated 149'6" HWL	Craig Field Airport & Ind. Auth. Selma, AL Menzo W. Driskell (334) 874-7419	Hogg Engineering Corporation Selma, AL Ray Hogg, PE (334) 875-1960	3/09 \$1,129,600.00
750M Elevated 135' HWL	City of Smithville Smithville, MO Judy Clough, City Clerk (816) 532-3897	E.T. Archer Corporation Lee's Summit, MO Jennifer Allen, PE (816) 554-3019	10/08 \$1,237,800.00
750M Elevated 150' HWL	City of Lake Charles Lake Charles, LA Randy Roach, Mayor (337) 491-1201	D.W. Jessen & Associates Lake Charles, LA Ed Rosteet, PE (337) 433-0561	9/08 \$1,559,500.00
750M Elevated 155' 8" HWL	Nelson County Fiscal Court Bardstown, KY Dean Watts (502) 348-1802	Hibbs Engineering Bardstown, KY Robin P. Mills, PE (502) 348-0312	6/07 \$996,000.00
750M Elevated 109' HWL	Spring Hills, WSC Seguin, TX Ronald Naumann (830) 379-7683	River City Engineering New Braunfels, TX Stephen Hanz (830) 626-3588	9/06 \$758,000.00
750M Elevated 139' HWL	Center Grove-Winchester Springs Water District Winchester, TN Montgomery Adams, JR. (931) 967-2541	Highers, Koonce & Associates Nashville, TN Buddy Koonce (615) 333-7200	3/06 \$809,850.00



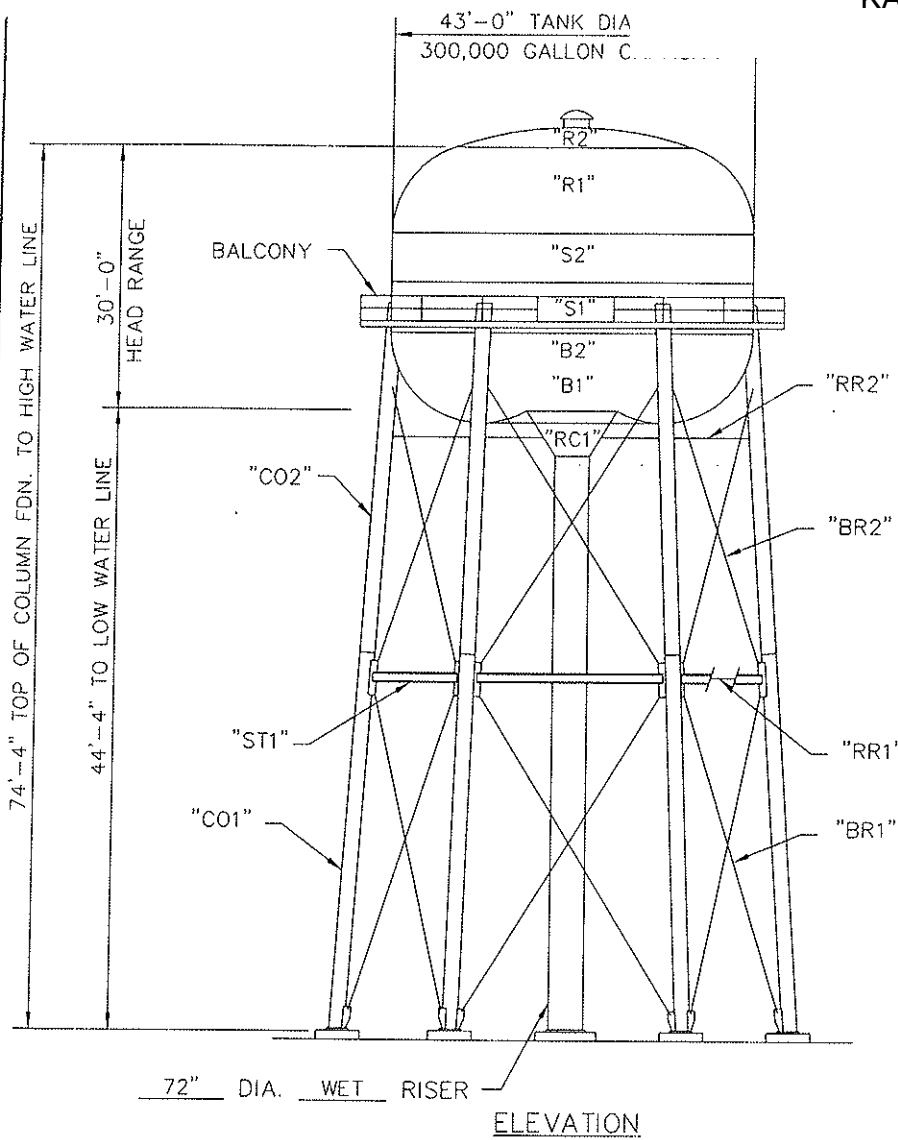
COMPOSITE ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
750,000 Composite 120' HWL CTI #: E-6949 Curran Site	Curran-Gardner Townships Public Dist. 3382 Hazlett Road Springfield, IL 62707 Robert Dalton Phone (217) 546-3981 Fax (217) 546-0438	MECO Engineering Company, Inc. 116 South Madison Pittsfield, IL 62363 Max Middendorf, P.E. Phone (217) 285-2550 Fax (217) 285-6550	12/11 \$1,585,000.00
750,000 Composite 134' HWL CTI #: E-6950 Pleasant Site	Curran-Gardner Townships Public Dist. 3382 Hazlett Road Springfield, IL 62707 Robert Dalton Phone (217) 546-3981 Fax (217) 546-0438	MECO Engineering Company, Inc. 116 South Madison Pittsfield, IL 62363 Max Middendorf, P.E. Phone (217) 285-2550 Fax (217) 285-6550	12/11 \$1,515,000.00
750,000 Composite 134'6" HWL CTI #: E-6910	Village of Germantown 75 North Walnut Street Germantown, OH 45327 Randy Bukas, Village Manager Phone (937) 855-7270	Poggemeyer Design Group, Inc. 1168 North Main Street Bowling Green, OH 43402 Thomas J. Borck, PE Phone (419) 352-7537 Fax (419) 353-0187	12/11 \$1,387,000.00
750,000 Composite 170'-0" HWL CTI #: E-6476 Louisburg, KS	Marais Des Cygnes Public Util. Auth. 19 East Peoria Paola, KS 66071 Ted Hayden, City Administrator Phone (913) 259-3600	Bartlett & West Engineers, Inc. 1200 SW Executive Drive Topeka, KS 66615 Louis P. Funk, PE Phone (785) 272-2252 Fax (785) 272-6904	3/10 \$1,461,470.00
750,000 Composite 198'-0" HWL CTI #: E-6184 Paola, KS	Marais Des Cygnes Public Util. Auth. 19 East Peoria Paola, KS 66071 Ted Hayden, City Administrator Phone (913) 259-3600	Bartlett & West Engineers, Inc. 1200 SW Executive Drive Topeka, KS 66615 Greg Dekat Phone (785) 272-2252 Fax (785) 272-6904	12/09 \$1,432,000.00
750,000 Composite 186'-0" HWL CTI #: E-6019 Jolly Road	Neuse Regional Water & Sewer Auth. 327 North Queen Street, Suite 121 Kinston, NC 28501 Harold Herring, Executive Director Phone (252) 522-2567 Fax (252) 523-1639	The Wooten Company 120 North Boylan Avenue Raleigh, NC 27603 Ralph Mobley, P.E. Phone (919) 828-0531 Fax (919) 834-3589	4/09 \$2,099,444.50
750,000 Composite 186'-0" HWL CTI #: E-5711 Tift Co., GA	P.F. Moon and Company, Inc. 2207 Highway 103 West Point, GA 31833 Randall Aikens Phone (706) 643-1524 Fax (706) 645-1511	Robert & Company Engineers 96 Poplar Street, N.W. Atlanta, GA 30335 Joseph R. Cunningham Phone (404) 577-4000 Fax (404) 577-7119	7/05 \$756,500.00
750,000 Composite 108'-0" HWL CTI #: E-5516	City of Louisburg 5 South Peoria Street Louisburg, KS 66053 Sue Seufferling Phone (913) 837-5371 Fax (913) 837-5374	Larkin Group 9200 Ward Parkway, Suite 400 Kansas City, MO 64114 M. Clark Thompson Phone (816) 361-0440 Fax (816) 361-0045	8/04 \$772,000.00



FLUTED COLUMN ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
750M Fluted Column 94' HWL	Aqua Pennsylvania, Inc. Sharon, PA Lynn D. Miller, Jr. (330) 397-0790	Aqua Pennsylvania, Inc. Boardman, OH Peter Kusky (330) 397-0790	1/11 \$1,394,000.00
750M Fluted Column 126'6" HWL	Bd. Of Medina County Comm. Medina, OH Sharon A. Ray (330) 725-9748	Medina Co. Sanitary Engrg. Dept. Medina, OH Larry Bailey (330) 723-9580	10/06 \$1,308,000.00
750M Fluted Column 175'6" HWL	West Carteret Water Corp Newport, NC	The East Group Greenville, NC (252) 758-3746	8/02 \$1,046,200.00
750M Fluted Column 154' HWL	City of Urbana Urbana, OH	Bennett & Williams Columbus, OH (800) 635-3810	11/01 \$912,100.00
750M Fluted Column 130.5' HWL	Medina County Commissioners Medina, OH	Medina County San. Engrs. Medina, OH (216) 723-9585	9/95 \$788,100.00
750M Fluted Column 93' OF	Town of Halfmoon Halfmoon, NY	Clough, Harbour & Assoc. Albany, NY (518) 453-4500	11/92 \$613,500.00
750M Fluted Column 154.33' OF	Board of Co. Commissioners Indian River County Vero Beach, FL	Sippel, Masteller, Lorenz & Hoover, Inc. Sebastian, FL (305) 589-4800	6/85 \$747,700.00



MATERIAL THICKNESS	
CONTAINER:	
"R2" :	<u>1/4"</u>
"R1" :	<u>1/4"</u>
"S2" :	<u>1/4"</u>
"S1" :	<u>1/4"</u>
"B2" :	<u>9/32"</u>
"B1" :	<u>1/4"</u>
"RC1" :	<u>9/32"</u>
RISER :	<u>1/4"</u>
TOWER:	
COLUMNS	
DIAMETER:	<u>24"</u>
"C02" :	<u>11/32"</u> (THICKNESS)
"C01" :	<u>11/32"</u> (THICKNESS)
STRUT	
"ST1" :	<u>W8x31</u>
BRACE RODS	
"BR2" :	<u>1 1/4"</u>
"BR1" :	<u>1 1/4"</u>

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED PER SPECIFICATIONS.

SIZES AND THICKNESSES SUBJECT TO CHANGE WITH FINAL DESIGN.

SITE CLASS: C

SEISMIC LOAD - $S_s=20.7\%$ $S_1=8.6\%$

BASIC WIND SPEED - PER AWWA D100-05

5 BATTERED COLUMNS (0.75" IN 12")

DIAMETER AT TOP OF FOUNDATION - 49'-8"

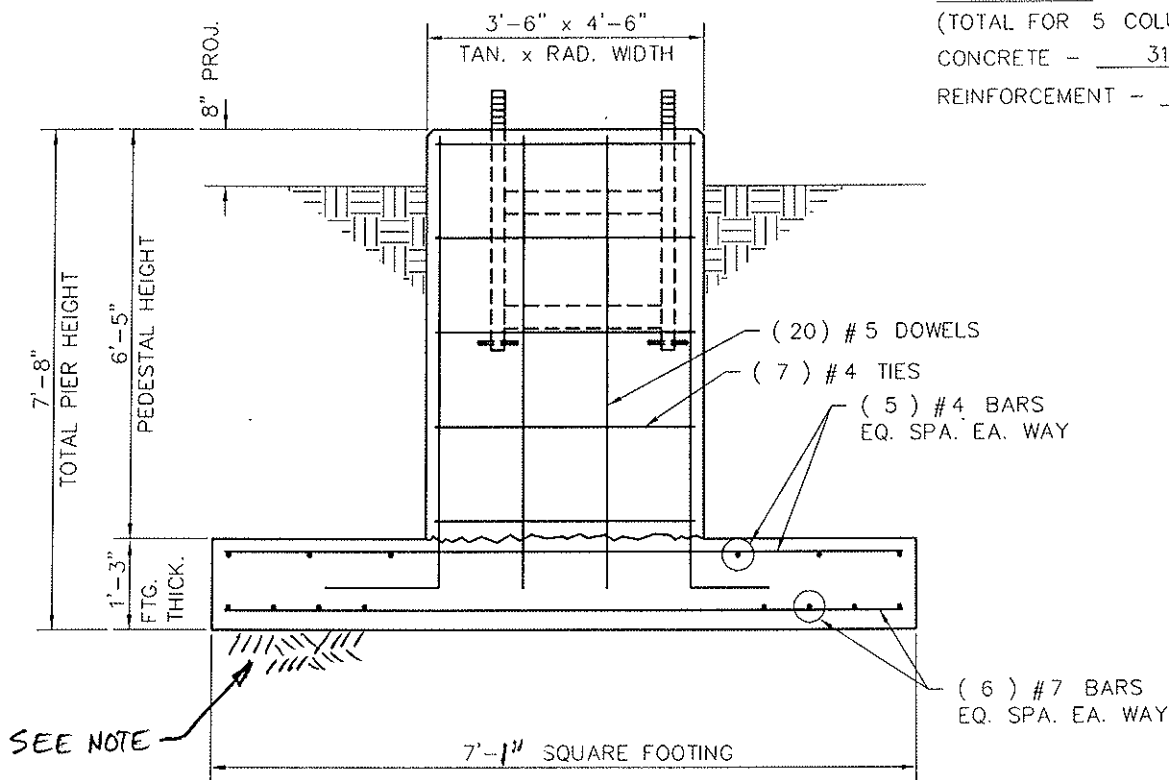
OWENTON, KY (BROCK) 300,000 GALLON TORUS BOTTOM TANK	
BY: MTK/JMM/STH	TITLE: BID SKETCH
DATE: 02/24/12	DRAWING NO.: SB-L1-MB

QUANTITIES:

(TOTAL FOR 5 COLUMNS)

CONCRETE - 31 CU. YDS.

REINFORCEMENT - 2,300 LBS.



PEDESTAL SECTION

NOTE:

- THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.
- A 1 1/2" TO 2" PROBE HOLE IS TO BE DRILLED 5' INTO THE COMPETENT ROCK.
- EXCAVATE DOWN TO BEDROCK AND BACKFILL WITH CONTROLLED DENSITY FILL (200 PSI).
- ADDITIONAL GEOTECHNICAL INVESTIGATION REQUIRED PRIOR TO FINAL DESIGN.

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

ANCHOR BOLT CIRCLE DIA. - 49'-8"

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_5 = 20.7\%$ $S_1 = 8.6\%$

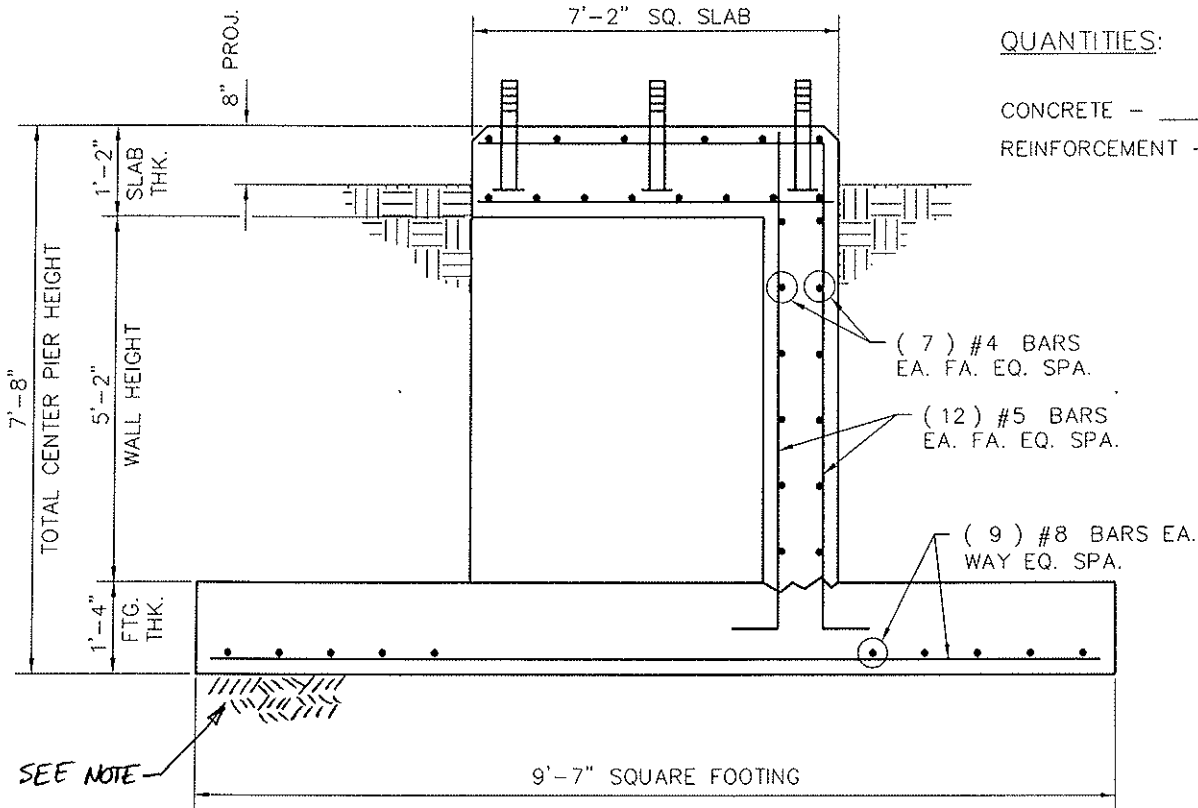
BASIC WIND SPEED - PER AWWA D100-05

NET ALLOWABLE BEARING CAPACITY - 15,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.

OWENTON, KY (BROCK) 300,000 GALLON TORUS BOTTOM TANK	
BY: MTK: <i>[Signature]</i>	TITLE: COLUMN PIER DETAIL
DATE: 02/24/12	DRAWING NO.: BID



QUANTITIES:

CONCRETE - 11 CU. YDS.
 REINFORCEMENT - 1,700 LBS.

CENTER PIER SECTION
 (3) WALLS REQUIRED

NOTE:

- THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.
- A 1 1/2" TO 2" PROBE HOLE IS TO BE DRILLED 5' INTO THE COMPETENT ROCK.
- EXCAVATE DOWN TO BEDROCK AND BACKFILL WITH CONTROLLED DENSITY FILL (200 PSI).
- **ADDITIONAL GEOTECHNICAL INVESTIGATION REQUIRED PRIOR TO FINAL DESIGN.**

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_5 = 20.7\%$ $S_1 = 8.6\%$

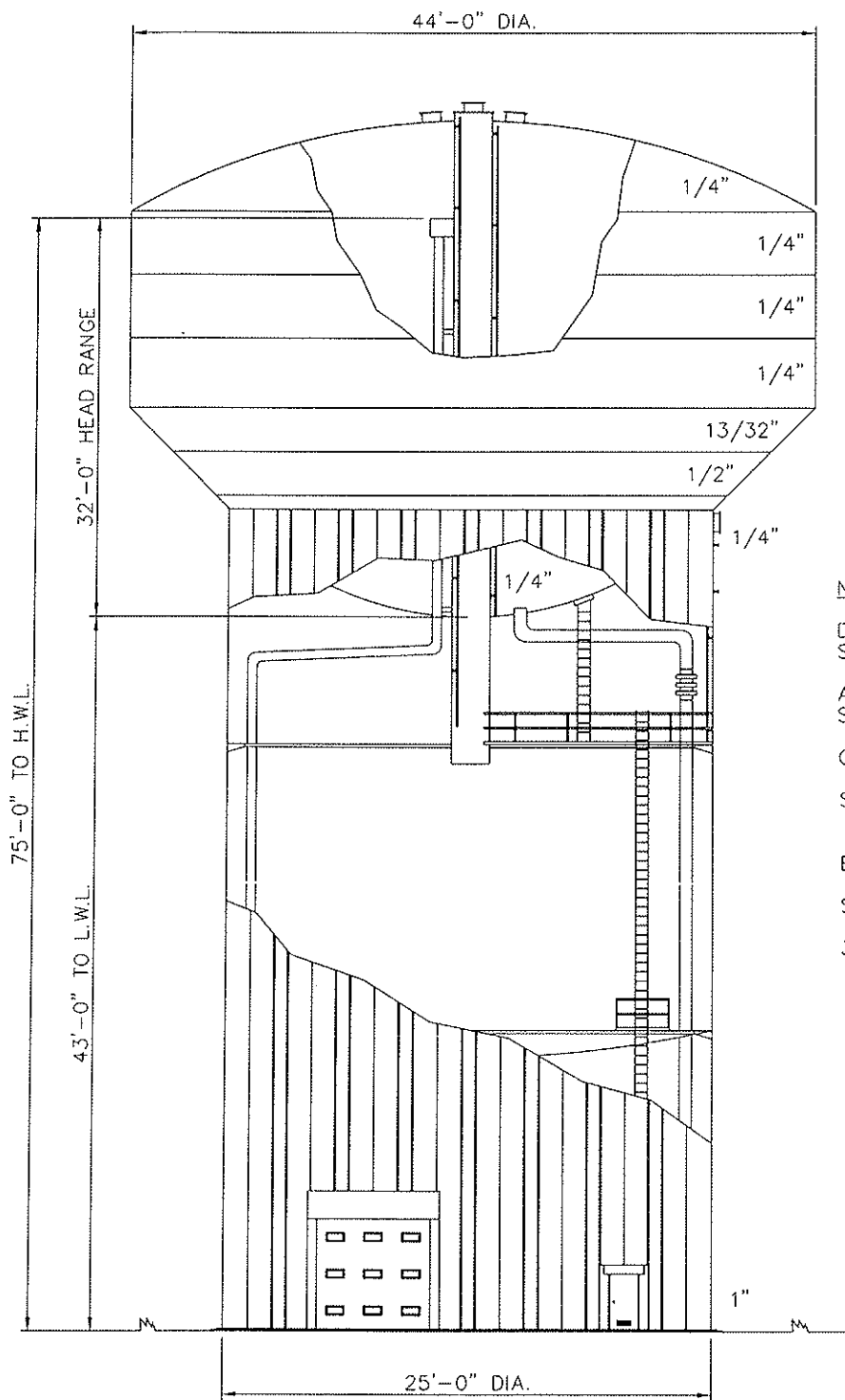
BASIC WIND SPEED - PER AWWA D100-05

NET ALLOWABLE BEARING CAPACITY - 15,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.

OWENTON, KY (BROCK) 300,000 GALLON TORUS BOTTOM TANK	
BY: MTK <i>[Signature]</i>	TITLE: CENTER PIER DETAIL
DATE: 02/24/12	DRAWING NO.: 81D



NOTE:

DESIGN PER AWWA D100-05 AND ENGINEER'S SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED AS PER SPECIFICATIONS.

ORIENTATION OF ACCESSORIES SHOWN FOR CLARITY.

SUBJECT TO CHANGE WITH FINAL DESIGN.

BASIC WIND SPEED: PER AWWA D100-05

SEISMIC LOAD: $S_5 = 20.7\%$ $S_1 = 8.6\%$

30. PSF SNOW

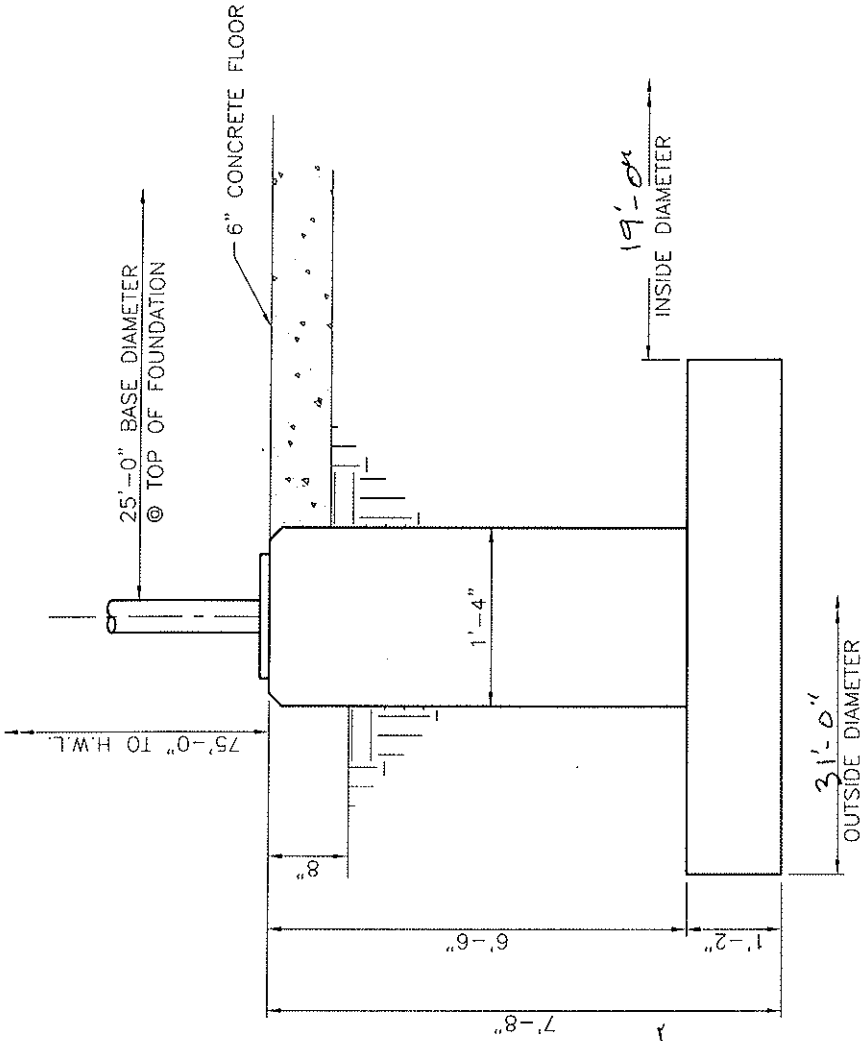
<p>CALDWELL TANKS, INC. LOUISVILLE, KY. NEWNAN, GA.</p>	
<p>OWENTON, KY (BROCK) 300,000 GALLON FLUTED COLUMN TANK</p>	
BY: TLF	TITLE: TANK SKETCH
DATE: 02/23/12	DRAWING NO.: BID



OWENTON, KY (BROCK SITE)
300,000 GALLON FLUTED COLUMN TANK

BY: MTK TITLE: FOUNDATION SKETCH

DATE: 02/27/12 DRAWING NO. B/D



NOTES:

FOUNDATION DESIGN BASED ON A NET ALLOWABLE SOIL BEARING OF 15,000 PSF.

CONCRETE: 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. (47 CU. YDS.)

REINFORCEMENT: ASTM SPEC. A615 GR. 60. (4,500 LBS.)

REINFORCING STEEL QUANTITIES DO NOT ACCOUNT FOR LAPS, BENDS, HOOKS, ETC.

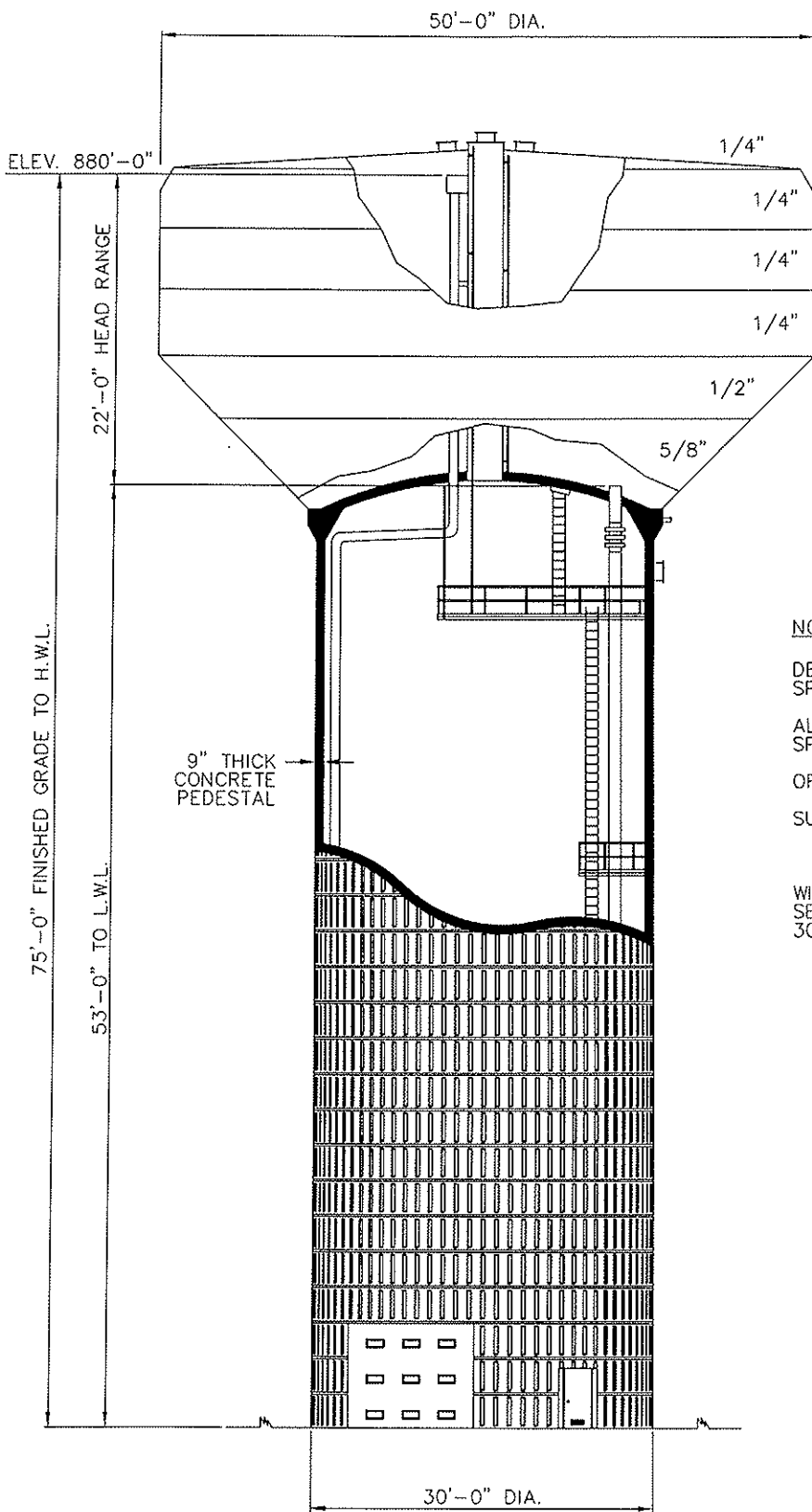
ADDITIONAL REINFORCEMENT FOR DOOR AND PEDESTAL DOWELS: (9,000 LBS.)

FOUNDATION IS SUBJECT TO CHANGE WITH FINAL DESIGN.

PIPING PIT NOT SHOWN.

FLOOR, PIPING PIT AND MISCELLANEOUS ACCESSORIES ARE NOT INCLUDED IN QUANTITIES SHOWN ABOVE.

FOOTING SHALL BEAR ON ROCK AS DESCRIBED IN PROJECT GEOTECHNICAL REPORT.



NOTE:

DESIGN PER AWWA D107-10 AND PROJECT SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED AS PER SPECIFICATIONS.

ORIENTATION OF ACCESSORIES SHOWN FOR CLARITY.

SUBJECT TO CHANGE WITH FINAL DESIGN.

WIND: PER AWWA D107-10
 SEISMIC LOAD: $S_s = 20.7\%$ $S_1 = 8.6\%$
 30 PSF SNOW

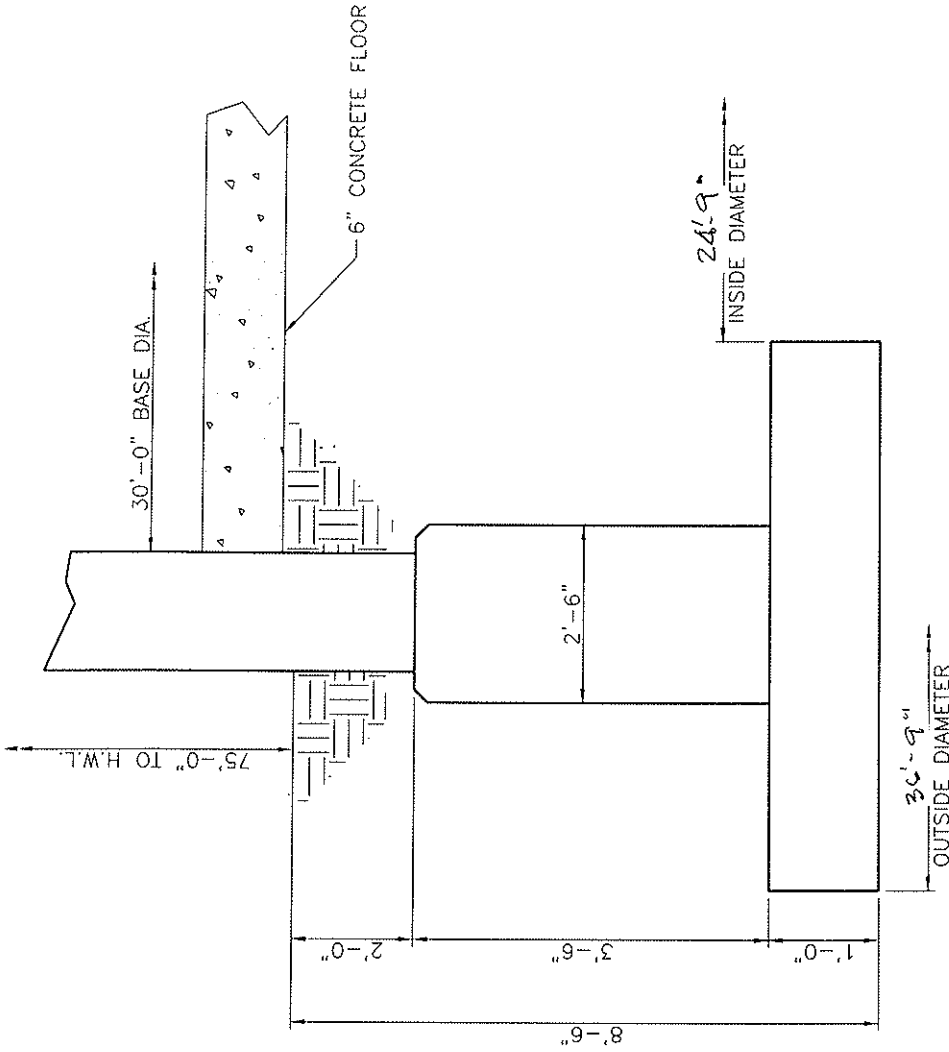
CALDWELL TANKS, INC.

LOUISVILLE, KY.

NEWNAN, GA.

OWENTON, KY (BROCK)
 300,000 GALLON COMPOSITE ELEVATED TANK

BY: TLF <i>TLF</i>	TITLE: TANK SKETCH
DATE: 02/23/12	DRAWING NO.: BID



NOTES:

FOUNDATION DESIGN BASED ON A NET ALLOWABLE SOIL BEARING OF 15,000 PSF.

CONCRETE: 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. (54 CU. YDS.)

REINFORCEMENT: ASTM SPEC. A615 GR. 60. (3,700 LBS.)

REINFORCING STEEL QUANTITIES DO NOT ACCOUNT FOR LAPS, BENDS, HOOKS, ETC.

ADDITIONAL REINFORCEMENT FOR DOOR AND PEDESTAL DOWELS: (9,000 LBS.)

FOUNDATION IS SUBJECT TO CHANGE WITH FINAL DESIGN.

PIPING PIT NOT SHOWN.

FLOOR, PIPING PIT AND MISCELLANEOUS ACCESSORIES ARE NOT INCLUDED IN QUANTITIES SHOWN ABOVE.

FOOTING SHALL BEAR ON ROCKS AS DESCRIBED IN PROJECT GEOTECHNICAL REPORT.



OWENTON, KY (BROCK SITE)
300,000 GALLON COMPOSITE ELEVATED TANK

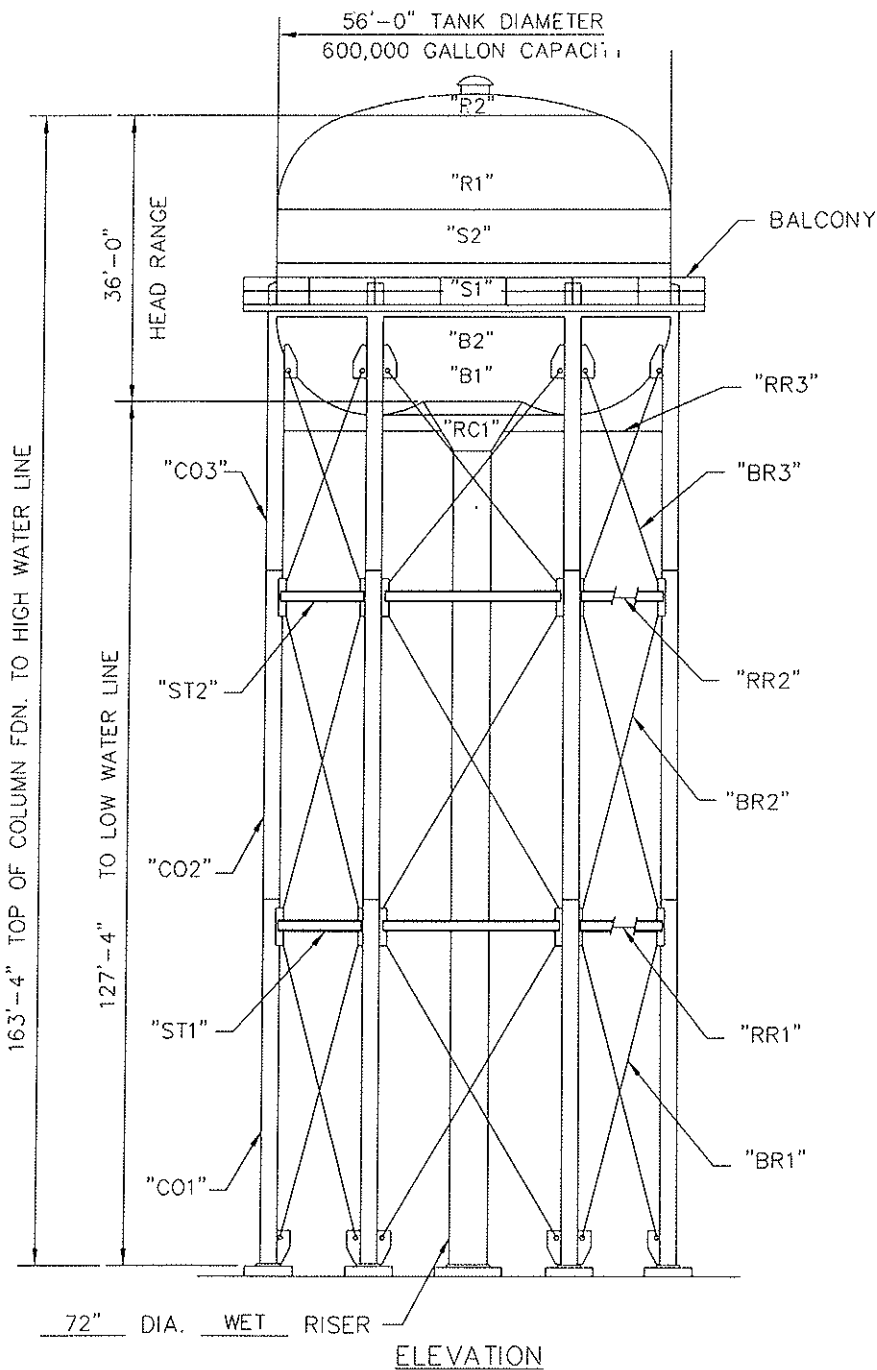
BY: MTK

TITLE: FOUNDATION SKETCH

DATE: 02/27/12

DRAWING NO.:

BID



MATERIAL THICKNESS	
CONTAINER:	
Ⓝ "R2" :	9/32"
"R1" :	1/4"
"S2" :	1/4"
"S1" :	3/8"
"B2" :	11/32"
"B1" :	11/32"
"RC1" :	15/32"
RISER :	13/32"
TOWER:	
COLUMNS	
DIAMETER:	30"
"CO3" :	15/32" (THICKNESS)
"CO2" :	1/2" (THICKNESS)
"CO1" :	1/2" (THICKNESS)
STRUTS	
"ST2" :	W8x31
"ST1" :	W8x31
BRACE RODS	
"BR3" :	1 1/2"
"BR2" :	1 5/8"
"BR1" :	2"

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED PER SPECIFICATIONS.

SIZES AND THICKNESSES SUBJECT TO CHANGE WITH FINAL DESIGN.

SITE CLASS: C

SEISMIC LOAD - $S_s=20.3\%$ $S_1=8.5\%$

BASIC WIND SPEED - PER AWWA D100-05

6 PLUMB COLUMNS

DIAMETER AT TOP OF FOUNDATION - 56'-0"

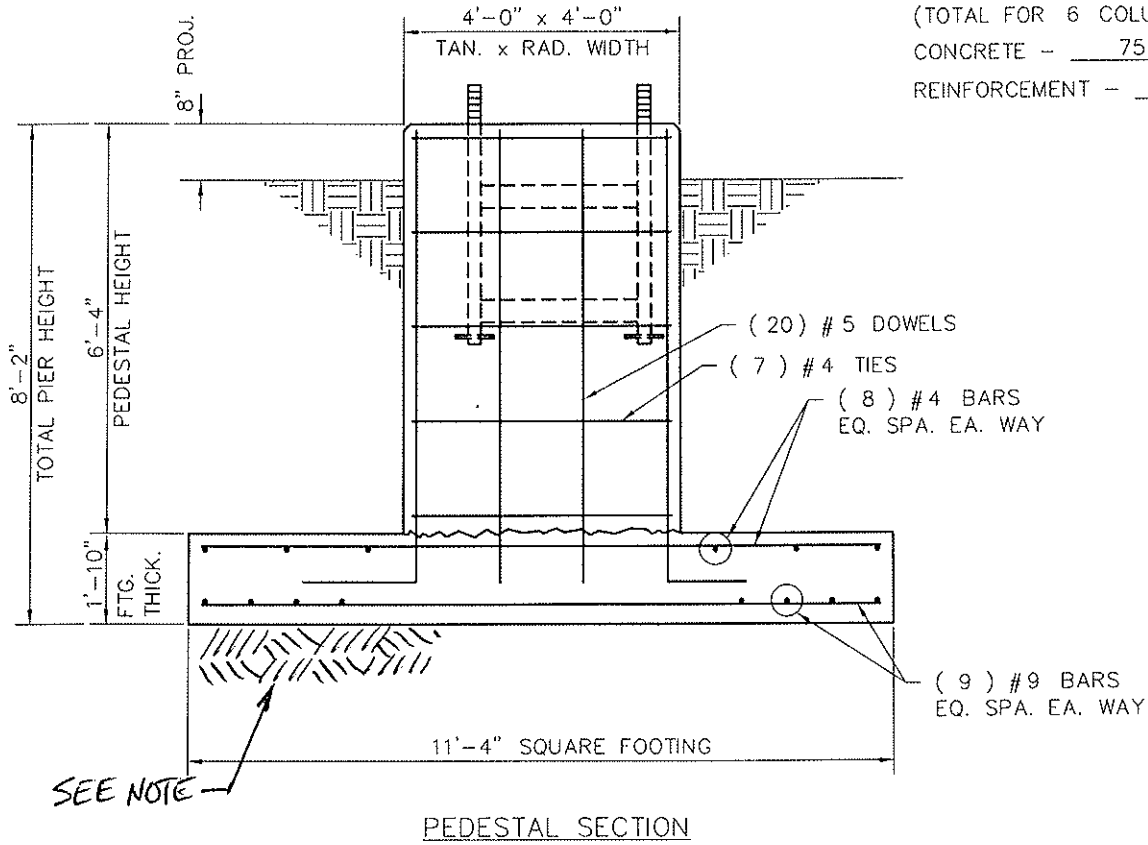
OWENTON, KY (BLUE MOON) 600,000 GALLON TORUS BOTTOM TANK	
BY: MTK/JMM	TITLE: BID SKETCH
DATE: 02/24/12	DRAWING NO.: SB-L1-MP

QUANTITIES:

(TOTAL FOR 6 COLUMNS)

CONCRETE - 75 CU. YDS.

REINFORCEMENT - 6,300 LBS.



NOTE:

- THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.
- A 1 1/2" TO 2" PROBE HOLE IS TO BE DRILLED 5' INTO THE COMPETENT ROCK.
- EXCAVATE DOWN TO BEDROCK AND BACKFILL WITH LEAN CONCRETE (1500 PSI).
- **ADDITIONAL GEOTECHNICAL INVESTIGATION REQUIRED PRIOR TO FINAL DESIGN.**

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

ANCHOR BOLT CIRCLE DIA. - 56'-0"

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_s = 20.3\%$ $S_1 = 8.5\%$

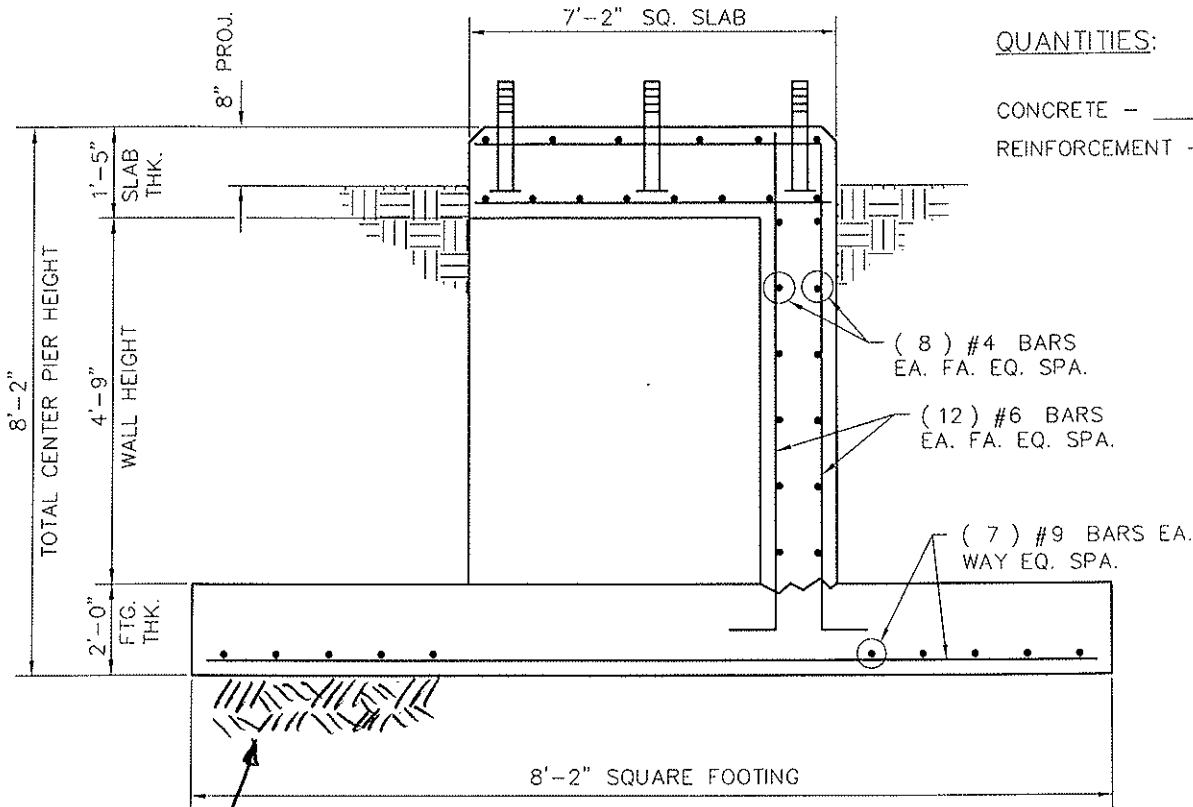
BASIC WIND SPEED - PER AWWA D100-05

NET ALLOWABLE BEARING CAPACITY - 40,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.

OWENTON, KY (BLUE MOUNTAIN) 600,000 GALLON TORUS BOTTOM TANK	
BY: JDM ✓	TITLE: COLUMN PIER DETAIL
DATE: 02/24/12	DRAWING NO.: BID



QUANTITIES:

CONCRETE - 13 CU. YDS.
 REINFORCEMENT - 2,500 LBS.

CENTER PIER SECTION

(3) WALLS REQUIRED

NOTE:

- THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.
- A 1 1/2" TO 2" PROBE HOLE IS TO BE DRILLED 5' INTO THE COMPETENT ROCK.
- EXCAVATE DOWN TO BEDROCK AND BACKFILL WITH LEAN CONCRETE (1500 PSI).
- ~~ADDITIONAL GEOTECHNICAL INVESTIGATION REQUIRED PRIOR TO FINAL DESIGN~~

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_S = 20.3\%$ $S_1 = 8.5\%$

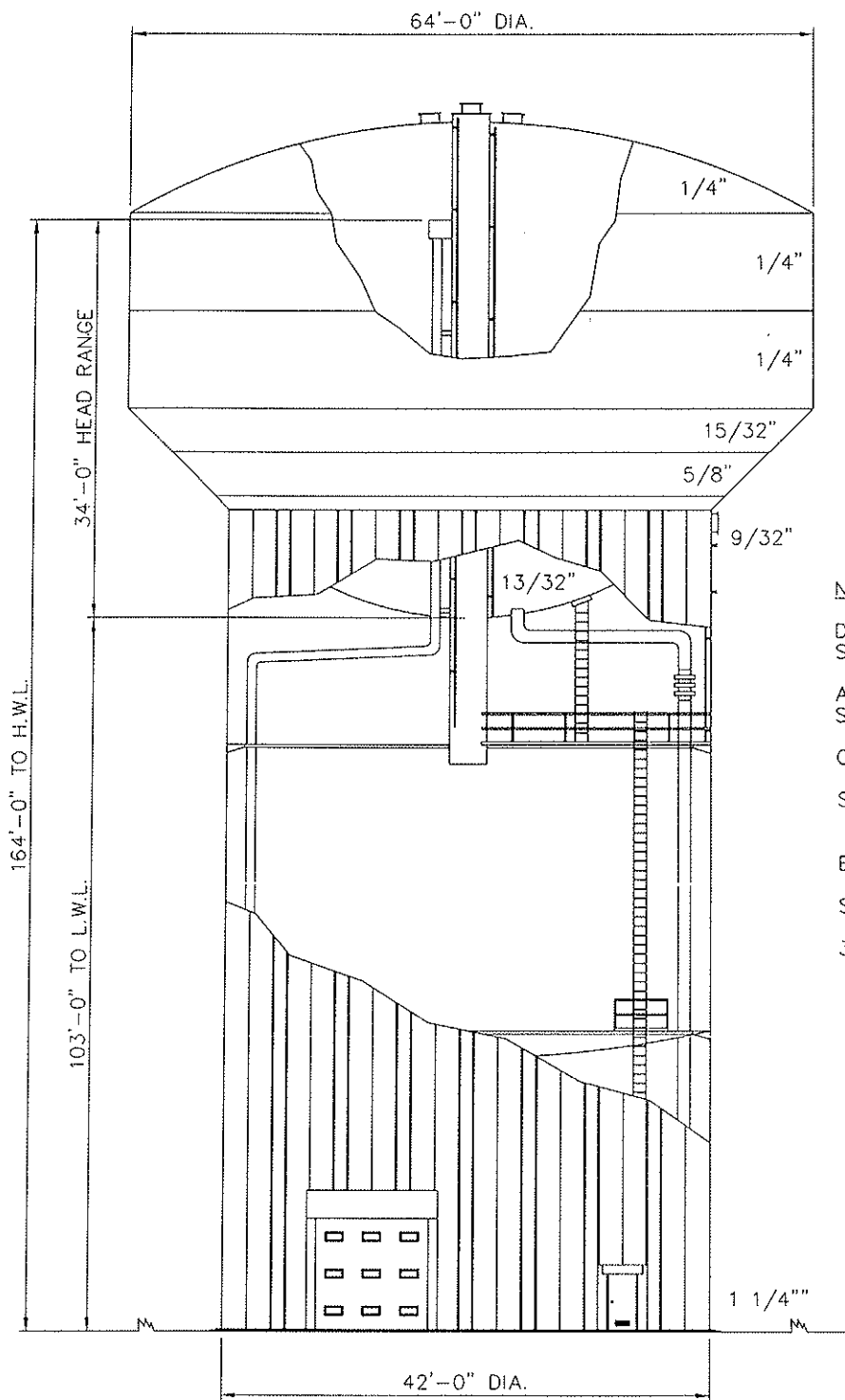
BASIC WIND SPEED - PER AWWA D100-05

NET ALLOWABLE BEARING CAPACITY - 40,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.

OWENTON, KY (BLUE MOUNTAIN) 600,000 GALLON TORUS BOTTOM TANK	
BY: JDM <i>[Signature]</i>	TITLE: CENTER PIER DETAIL
DATE: 02/24/12	DRAWING NO.: BID



NOTE:

DESIGN PER AWWA D100-05 AND ENGINEER'S SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED AS PER SPECIFICATIONS.

ORIENTATION OF ACCESSORIES SHOWN FOR CLARITY.

SUBJECT TO CHANGE WITH FINAL DESIGN.

BASIC WIND SPEED: PER AWWA D100-05

SEISMIC LOAD: $S_s = 20.3\%$ $S_1 = 8.5\%$

30 PSF SNOW

CALDWELL TANKS, INC.

LOUISVILLE, KY.

NEWMAN, GA.

OWENTON, KY (BLUE MOON)
600,000 GALLON FLUTED COLUMN TANK

BY: TLF

TITLE: TANK SKETCH

DATE: 02/23/12

DRAWING NO.:

BID



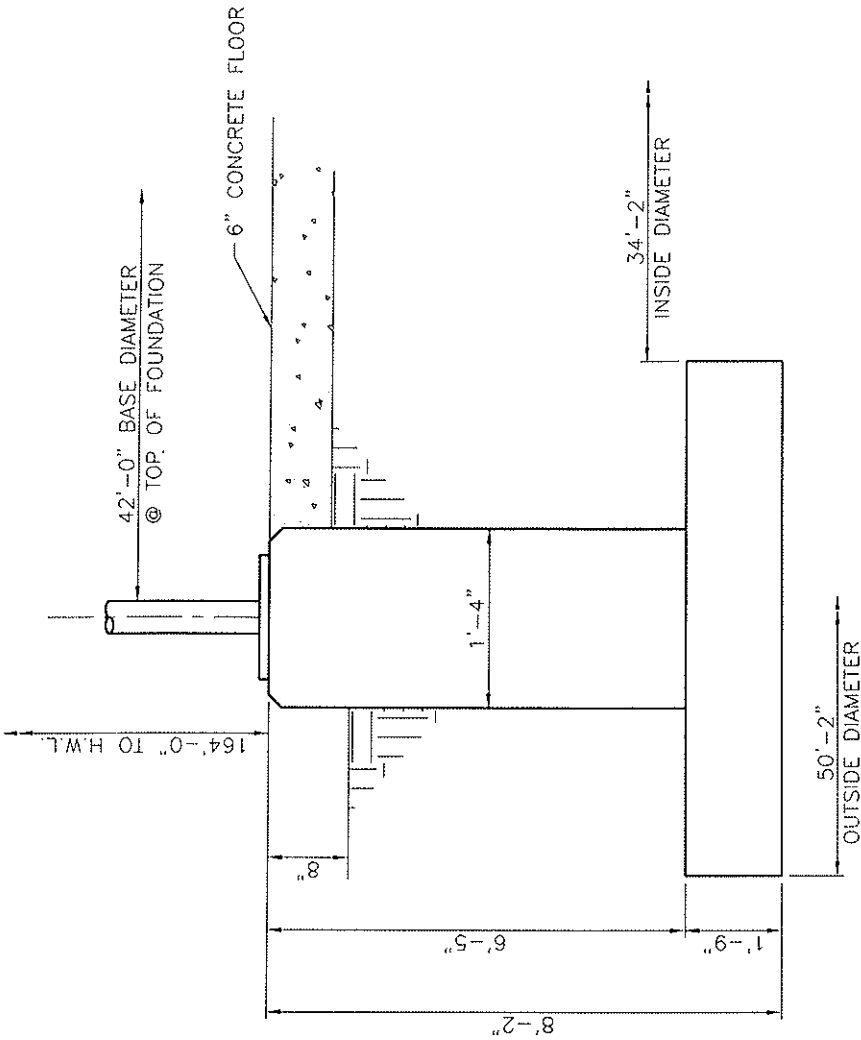
OWENTON, KY (BLUE MOON)
 600,000 GALLON FLUTED COLUMN TANK

BY: MTK

TITLE: FOUNDATION SKETCH

DATE: 02/27/12

BID



NOTES:

FOUNDATION DESIGN BASED ON A NET ALLOWABLE SOIL BEARING OF 40,000 PSF.

CONCRETE: 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. (111 CU. YDS.)

REINFORCEMENT: ASTM SPEC. A615 GR. 60. (10,100 LBS.)

REINFORCING STEEL QUANTITIES DO NOT ACCOUNT FOR LAPS, BENDS, HOOKS, ETC.

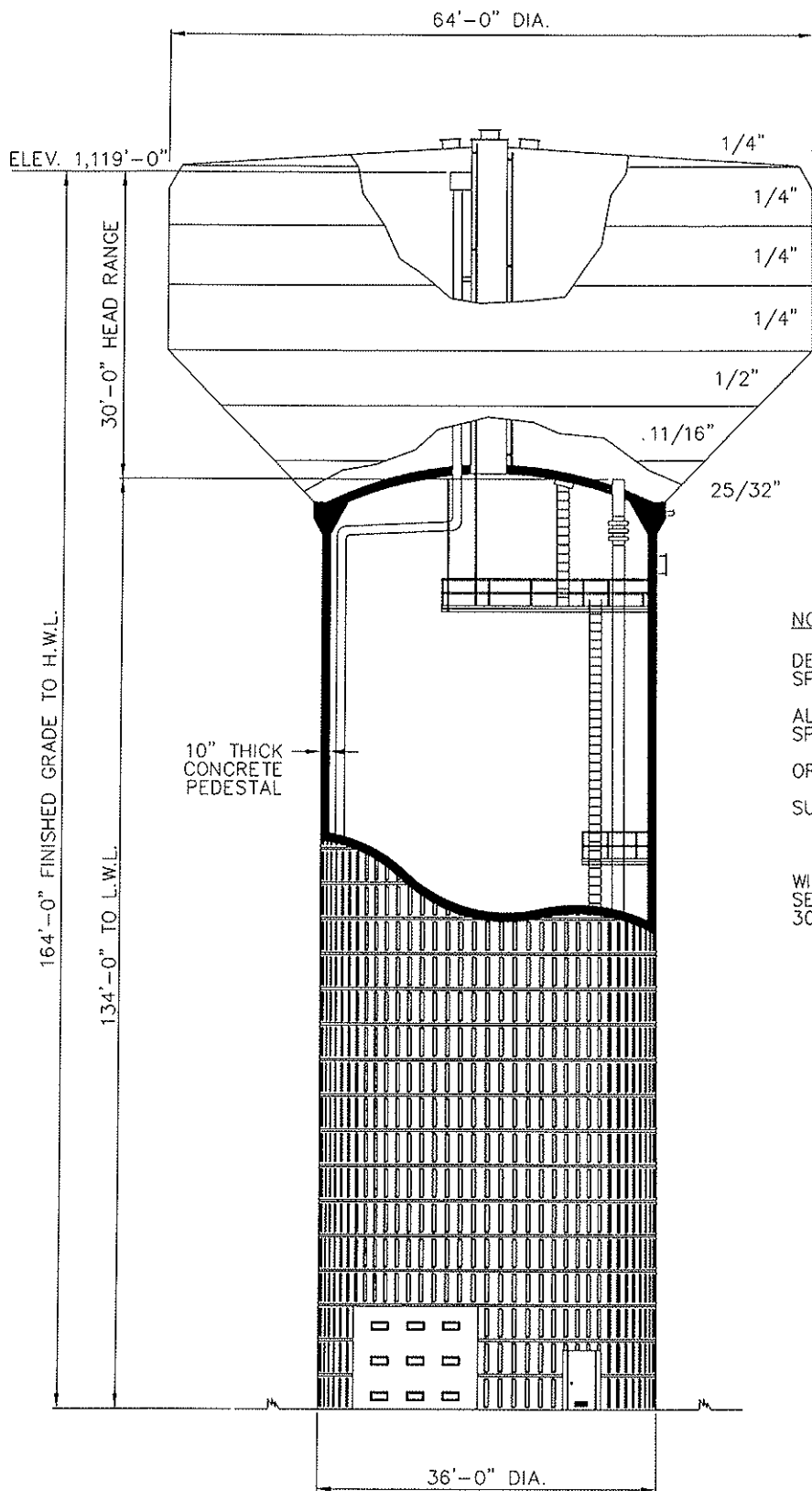
ADDITIONAL REINFORCEMENT FOR DOOR AND PEDESTAL DOWELS: (9,000 LBS.)

FOUNDATION IS SUBJECT TO CHANGE WITH FINAL DESIGN.

PIPING PIT NOT SHOWN.

FLOOR, PIPING PIT AND MISCELLANEOUS ACCESSORIES ARE NOT INCLUDED IN QUANTITIES SHOWN ABOVE.

FOOTINGS SHALL BEAR ON ROCK AS DESCRIBED IN PROJECT GEOTECHNICAL REPORT.



NOTE:

DESIGN PER AWWA D107-10 AND PROJECT SPECIFICATIONS.


ALL ACCESSORIES TO BE INCLUDED AS PER SPECIFICATIONS.

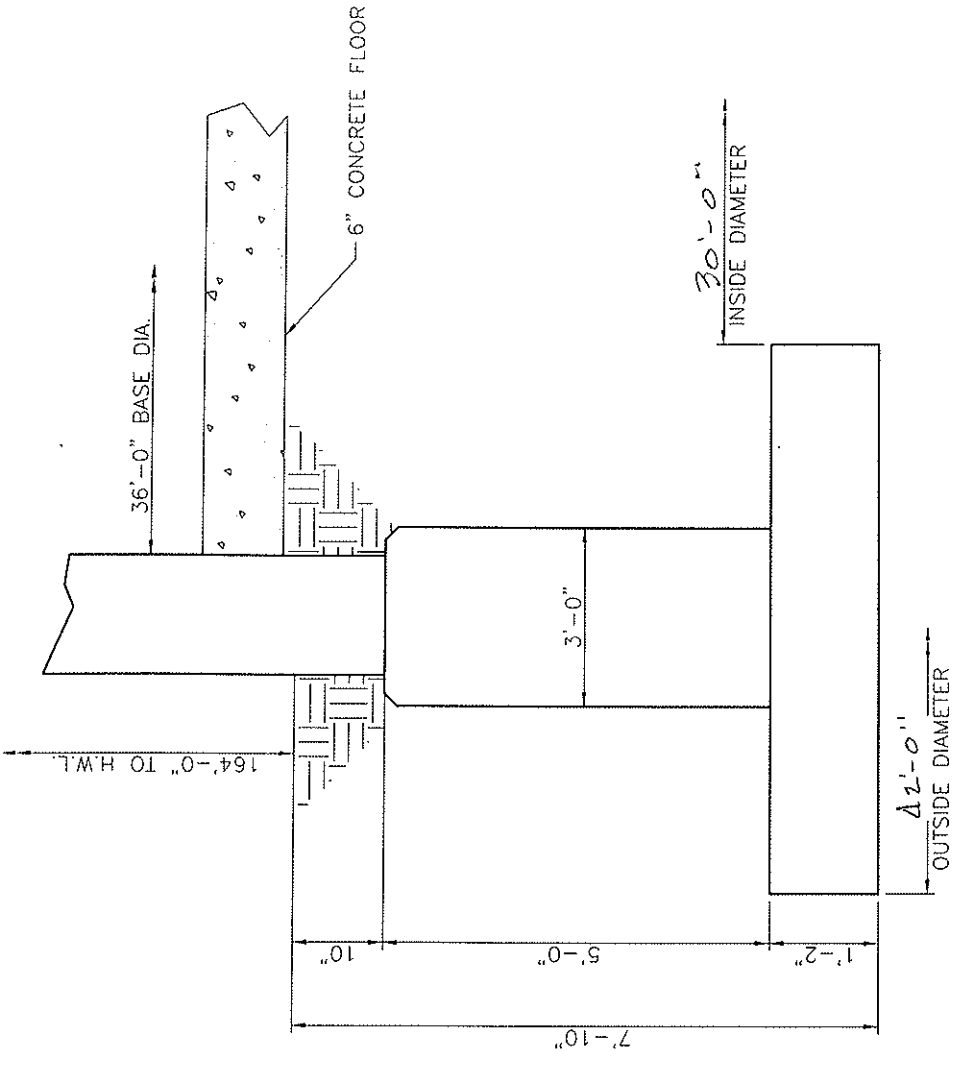
ORIENTATION OF ACCESSORIES SHOWN FOR CLARITY.

SUBJECT TO CHANGE WITH FINAL DESIGN.

WIND: PER AWWA D107-10
 SEISMIC LOAD: $S_s = 20.3\%$ $S_1 = 8.5\%$
 30 PSF SNOW

CALDWELL TANKS, INC. LOUISVILLE, KY. NEWNAN, GA.	
OWENTON, KY (BLUE MOON) 600,000 GALLON COMPOSITE ELEVATED TANK	
BY: TLF <i>JA</i>	TITLE: TANK SKETCH
DATE: 02/23/12	DRAWING NO.: BID

	
OWENTON, KY (BLUE MOON) 600,000 GALLON COMPOSITE ELEVATED TANK	
BY: MTK	TITLE: FOUNDATION SKETCH
DATE: 02/27/12	DRAWING NO: BID



NOTES:

- FOUNDATION DESIGN BASED ON A NET ALLOWABLE SOIL BEARING OF 40,000 PSF.
- CONCRETE: 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. (96 CU. YDS.)
- REINFORCEMENT: ASTM SPEC. A615 GR. 60. (6500 LBS.)
- REINFORCING STEEL QUANTITIES DO NOT ACCOUNT FOR LAPS, BENDS, HOOKS, ETC.
- ADDITIONAL REINFORCEMENT FOR DOOR AND PEDESTAL DOWELS: (9,000 LBS.)
- FOUNDATION IS SUBJECT TO CHANGE WITH FINAL DESIGN.
- PIPING PIT NOT SHOWN.
- FLOOR, PIPING PIT AND MISCELLANEOUS ACCESSORIES ARE NOT INCLUDED IN QUANTITIES SHOWN ABOVE.

FOOTING SHALL BEAR ON ROCK AS DESCRIBED IN PROJECT GEOTECHNICAL REPORT.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Caldwell Tanks, Inc.
4000 Tower Road, Louisville, KY 40219, as Principal and Great American Insurance Company
 (BIDDER)
301 E. 4th Street of the City of Cincinnati,
 State of Ohio, a corporation existing under the laws and the State of Ohio,
 and authorized to transact business in the State of Kentucky, as Surety, are held and firmly
 bound unto **Kentucky American Water Company, 2300 Richmond Road,
 Lexington, KY 40502**, hereinafter called the Oblige, in the sum of
ten percent of the amount bid Dollars
 (\$ 10% of bid), lawful money of the United States of America, for the
 payment of which sum well and truly to be made, we bind ourselves, our heirs, executors,
 administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has
 submitted the accompanying Bid dated February 28, 2012, for the Northern Division
 Connection, Phase 3-Booster Pump Station with Elevated Storage Tank and Owenton Elevated
 Storage Tank.

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon
 due acceptance of said Bid and award of a Contract to him by the Oblige, bonds with good and
 sufficient surety as may be required by the Contract Documents, and furnishes the Oblige
 proper evidence of effectiveness of insurance coverage, respectively, within the time, in the
 forms and in the amounts, as appropriate, required by the Contract Documents, and enters into
 a Contract with the Oblige in accordance with the Contract Documents, then this Bond shall be
 void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to
 perform all conditions of this Bond, they will pay the sum of the Bond to the Oblige as fixed,
 liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said
 Surety and its Bond shall be in no way impaired or affected by any extension of time within
 which the Oblige may accept such Bid; and said Surety does hereby waive notice of any such
 extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument
 under their several seals this 28th day of February, 2012, the name and corporate
 seal of each corporate party being hereto affixed and these presents duly signed by its
 undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28, 2012

WITNESS:



Barry L. Geswein, Secretary

Caldwell Tanks, Inc.
Name of Bidder, Corporation
Firm or Individual

By 

John R. Bickel, Regional Sales Manager
(Title)

4000 Tower Road

Louisville, KY 40219
Business Address of Bidder

ATTEST:



Cyndee Pedersen, Witness

Great American Insurance Company

301 E. 4th Street, Cincinnati, OH 45202

Surety



Attorney-In-Fact Tammy L. Masterson

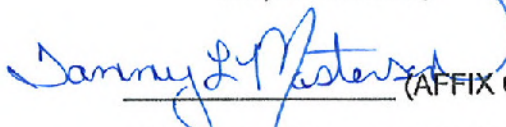
NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that we Great American Insurance Company, as Surety, a corporation existing under the laws of the State of Ohio, and authorized to transact business in the State of KY, hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of Northern Division Connection, Phase 3, Booster Pump Station with Elevated Storage Tank and Owenton Elevated Storage Tank Project, on behalf of Caldwell Tanks, Inc., hereinafter called the Bidder, provided that the Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the _____ the amount of the Bid Bond.

February 28, 2012
Date

Great American Insurance Company
Corporate Surety


(AFFIX CORPORATE SEAL)

Tammy L. Masterson, Attorney-In-Fact
Title

301 E. 4th Street

Cincinnati, OH 45202
Business Address

GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by this power of attorney is not more than **SIX**

No. 0 18279

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
JOHN F. NEACE	JENNIFER K. WILLIAMS	ALL
DEBORAH S. PINKERTON	DOUGLAS A. STOUGH	\$50,000,000.
TAMMY L. MASTERSON		
JOHN A. STOUGH		

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this **16TH** day of **APRIL**, **2009**
Attest **GREAT AMERICAN INSURANCE COMPANY**



Atty L. C. B.

David C. Kitchin

DAVID C. KITCHIN (877-377-2405)

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this **16TH** day of **APRIL**, **2009**, before me personally appeared **DAVID C. KITCHIN**, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.



KAREN L. GROSHEIM
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 02-20-16

Karen L. Grosheim

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisional Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, **STEPHEN C. BERAHA**, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this **28th** day of **February**, **2012**.



Atty L. C. B.

BIDDER: Reynolds, Inc.

BID FORMS

NORTHERN DIVISION CONNECTION, PHASE 3

BOOSTER PUMP STATION WITH ELEVATED STORAGE TANK AND
OWENTON ELEVATED STORAGE TANK

PROJECT NO. IP-1232-3

KENTUCKY AMERICAN WATER

BID FORM	
Date: _____	Time: _____
Signature: _____	
Senior Management	
Witness: _____	
<i>For Water Company Use Only</i>	

BID FORM

KENTUCKY AMERICAN WATER NORTHERN DIVISION CONNECTION, PHASE 3 BOOSTER PUMP STATION WITH ELEVATED STORAGE TANK AND OWENTON ELEVATED STORAGE TANK

Project No. IP-1232-3

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Kentucky American Water
Jason Hurt, P.E., Senior Project Engineer
2300 Richmond Road
Lexington, KY 40502

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted and the Contract awarded to Bidder, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 365 days after the Bid opening. The Contractor in its Bid shall include monthly increases if the Bid is not awarded within 120 days. Bidder will sign and submit the Agreement with the Bonds (if any) and other documents required by the Bidding Requirements within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, including but not limited to the Drawings, Specifications, Geotechnical Baseline Report, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
1	2/23/2012

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.
- E. Bidder has considered the information known to Bidder, information and observations obtained from visits to the Site, information commonly known to contractors doing business in the locality of the Site, the Bidding Documents, and the reports and drawings identified in the Bidding Documents and referred to in Paragraph 3.01.D above with respect to the effect of such information and observations on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

- H. Bidder is prepared to comply with the applicable requirements of Owner's safety program, if any.
- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding;
- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "Corrupt practice" means the offering, giving, receiving or soliciting of any thing of value likely to influence the action of a public official [or American Water Systems official] in the bidding process.
 - 2. "Fraudulent practice" means a misrepresentation of facts made: (a) to influence the bidding or negotiating process to the detriment of Owner; (b) to establish bid prices at artificial non-competitive levels; or (c) to deprive Owner of the benefits of free and open competition.
 - 3. "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - 4. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

If specific materials are to be furnished by the Owner, the prices provided herein include installation of such materials only. Otherwise the prices include furnishing and installation of materials.

PRICE SCHEDULE

The following prices shall be used to determine the amount of payment to the Contractor for actual work completed. Phase 1 and Phase 2 are separate projects and will be awarded separately. The items of Work and the method of measurement to determine quantities shall be as described in Specification Section 01075-Basis of Payment. Quantities are not guaranteed. Final payment will be based on actual quantities.

Contract award will be made based on the computed total base bid plus any portions of the alternative bid selected and portions of the base bid eliminated. OWNER reserves the right to accept or reject any alternatives to the computed total base bid prior to Notice of Award.

If a Contract is to be awarded, it will be awarded to the responsive and responsible Bidder with either the lowest computed total base bid or the lowest computed total with portions of the alternative bid selected and portions of the base bid eliminated by OWNER whose evaluation indicates to OWNER that the award will be in the best interest of the Project. Bid from the successful Bidder for the computed base bid or alternative bid selected by OWNER may not necessarily be lower in prices than other computed total base bids or alternative bids.

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the drawings. Bidder agrees to perform the Work as shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

NOTE: A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

See Section 01075-Basis of Payment for discussion of cash allowances to include in the Bid.

Item No.	Description	Quantity	Unit	Cost
Booster Pump Station with Elevated Storage Tank				
1.	Site grading including access road, furnishing, asphalt road, laying and backfilling. (unclassified excavation). See drawing sheets 3 and 4.	1	LS	\$ <u>200,000.00</u>
2.	Site plan including all piping, altitude vault, gate valves, fire hydrants, fencing, electric service poles, holding pond, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). See drawing sheets 3, 4, 13, 14, 15, and 16.	1	LS	\$ <u>600,000.00</u>

Item No.	Description	Quantity	Unit	Cost
Booster Pump Station with Elevated Storage Tank				
3.	Premanufactured booster pump station, electrical transducers, SCADA, electric/scada pole, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). Also includes brick face and accessories installed after delivery to site. See drawing sheets 5, 6, and 14.	1	LS	\$ <u>631,000.00</u>
4.	Elevated multi-leg tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling. Also includes all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 9.	1	LS	\$ <u>705,900.00</u>
5.	Cleanup and restoration, including furnishing material, daily mulch, and labor according to Stormwater Pollution Prevention Plan and drawings.	1	LS	\$ <u>10,000.00</u>
6.	Silt fence including all associated items, stakes, fence, cast in place, including furnishing, trenching, installing, and backfilling according to drawing detail.	1	LS	\$ <u>10,000.00</u>
7.	Straw bales including all associated items, bales, stakes, CIP, includes furnishing, trenching, installing and backfilling, as according to drawing detail.	1	LS	\$ <u>500.00</u>
8.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>7,500.00</u>
9.	Allowance for geotechnical and concrete material testing services according to Section 01075.	1	LS	\$ <u>25,000</u>
10.	Allowance for permits according to Section 01075.	1	LS	\$ <u>5,000</u>
11.	Allowance for security according to Section 01075.	1	LS	\$ <u>7,500</u>

COMPUTED TOTAL BASE BID-BOOSTER PUMP STATION WITH ELEVATED STORAGE TANK, PHASE 3 (ITEMS 1 THROUGH 11):

Two Million Two Hundred Two Thousand Four Hundred Dollars \$ 2,202,400.00
(Words) (Numbers)

Item No.	Description	Quantity	Unit	Cost
Owenton Elevated Storage Tank				
1.	Site grading including access road, furnishing, asphalt aggregate rock , laying and backfilling (unclassified excavation). See drawing sheet 8.	1	LS	\$ <u>50,000.00</u>
2.	Site plan including all piping, gate valves, fire hydrants, fencing, electrical service poles, and holding pond, furnishing, trenching, laying and backfilling, including all associated tees, concrete backing, reducers, and bends (unclassified excavation). See drawing sheets 8, 14, 15, and 16.	1	LS	\$ <u>325,000.00</u>
3.	Elevated multi-leg tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling. Also includes all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 9 and 12.	1	LS	\$ <u>1,064,200.00</u>
4.	Cleanup and restoration, including furnishing material, daily mulch, and labor in accordance with Stormwater Pollution Prevention Plan and drawings.	1	LS	\$ <u>7,000.00</u>
5.	Silt fence including all associated items, stakes, fence, cast-in-place, furnishing, trenching, installing and backfilling, as according to drawings.	1	LS	\$ <u>5,000.00</u>
6.	Straw bales including all associated items, bales, stakes, cast-in-place, furnishing, trenching, installing and backfilling, as according to drawings.	1	LS	\$ <u>500.00</u>
7.	Bid hold monthly increase amount after 120 days, up to 365 days.	1	MO	\$ <u>10,000.00</u>

COMPUTED TOTAL BASE BID-OWENTON ELEVATED STORAGE TANK, PHASE 3
(ITEMS 1 THROUGH 7)

One Million Four Hundred Sixty One Thousand Seven Hundred	(Words)	Dollars \$	<u>1,461,700.00</u>
			(Numbers)

BID ALTERNATIVES

ALTERNATIVE 1-FLUTED COLUMN ELEVATED TANK (300,000 GALLONS), BOOSTER PUMP STATION ELEVATED STORAGE TANK

Elevated fluted column tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 10.

ADD Three Hundred Seventy Five Thousand Dollars \$ ADD 375,000.00
(Words) (Numbers)

ALTERNATIVE 2-COMPOSITE COLUMN ELEVATED TANK (300,000 GALLONS), BOOSTER PUMP STATION ELEVATED STORAGE TANK

Elevated composite column tank, 300,000 gallons, including furnishing, foundation, foundation design, trenching, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheet 11.

ADD Two Hundred Sixty Thousand Dollars \$ ADD 260,000.00
(Words) (Numbers)

ALTERNATIVE 3-FLUTED COLUMN ELEVATED TANK (600,000 GALLONS), OWENTON ELEVATED STORAGE TANK

Elevated fluted column tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 10 and 12.

ADD Five Hundred Fifty Thousand Dollars \$ ADD 550,000.00
(Words) (Numbers)

ALTERNATIVE 4-COMPOSITE COLUMN ELEVATED TANK (600,000 GALLONS), OWENTON ELEVATED STORAGE TANK

Elevated composite column tank, 600,000 gallons, including furnishing, foundation, foundation design, trenching, hydrodynamic mixing system, laying and backfilling, all associated tees, reducers, and bends (unclassified excavation). See drawing sheets 11 and 12.

ADD Three Hundred Forty Five Thousand Dollars \$ ADD 345,000.00
(Words) (Numbers)

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 335 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions within 365 calendar days after the date when the Contract Times commence to run.
- 6.01 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security in the form of a Bid Bond;
 - B. Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids;
 - C. Contractor's License No. N/A, or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids.
 - D. Information describing the proposed alternative equipment and/or materials.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid is submitted on February 28, 2012 by:

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business Address: _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

A Corporation

Corporation Name: Reynolds, Inc. (SEAL)

State of Incorporation: Indiana

Type (General Business, Professional, Service, Limited Liability): General Business

By: _____
(Signature - attach evidence of authority to sign)

Name (typed or printed): Les Archer

Title: Senior Vice President

(CORPORATE SEAL)

Attest: [Signature]

Business Address: 4520 North State Road 37, Orleans, IN 47452

Phone No.: 812-865-3232 E-mail: Les.Archer@layne.com

State Contractor License No. (If applicable): N/A

Date of Qualification to do business in Kentucky is 10 / 21 / 05

[State where Project is located]

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Business Address _____

Phone No.: _____ E-mail: _____

State Contractor License No. (If applicable): _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Reynolds, Inc.
4520 N. State Road 37
Orleans, IN 47452, as Principal and Travelers Casualty and Surety
Company of America

(BIDDER)

One Tower Square of the City of Hartford,

State of Connecticut, a corporation existing under the laws and the State of Connecticut,

and authorized to transact business in the State of Kentucky, as Surety, are held and firmly

bound unto **Kentucky American Water Company, 2300 Richmond Road, Lexington, KY 40502**, hereinafter called the Obligee, in the sum of

Ten Percent of the Amount of the Bid----- Dollars

(\$-----10%-----), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated February 28th, 2012, for the Northern Division Connection, Phase 3-Booster Pump Station with Elevated Storage Tank and Owenton Elevated Storage Tank.

NOW, THEREFORE, the condition of this Bond shall be such that if the Principal, upon due acceptance of said Bid and award of a Contract to him by the Obligee, bonds with good and sufficient surety as may be required by the Contract Documents, and furnishes the Obligee proper evidence of effectiveness of insurance coverage, respectively, within the time, in the forms and in the amounts, as appropriate, required by the Contract Documents, and enters into a Contract with the Obligee in accordance with the Contract Documents, then this Bond shall be void; otherwise, the Bond shall be and shall remain in full force and effect.

The Principal and the Surety hereby stipulate and agree that if the Principal fails to perform all conditions of this Bond, they will pay the sum of the Bond to the Obligee as fixed, liquidated damages.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way impaired or affected by any extension of time within which the Obligee may accept such Bid; and said Surety does hereby waive notice of any such extension. It is the intention of the parties to be legally bound by this instrument.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their several seals this 28th day of February, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned and representative, pursuant to authority of its governing.

ATTEST:

DATE February 28th, 2012

WITNESS:

Lisa B. Parker

Reynolds, Inc.

Name of Bidder, Corporation
Firm or Individual

By [Signature]

Les Archer, Senior Vice President
(Title)

4520 N. State Road 37

Orleans, IN 47452

Business Address of Bidder

ATTEST:

Deborah A. Yates
Secretary
Deborah A. Yates

Travelers Casualty and Surety
Company of America

One Tower Square
Hartford, CT 06183

Surety

[Signature]
Attorney-In-Fact and Kentucky Resident Agent,
William A. Kantlehner, III



Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 220048

Certificate No. 004674714

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Deborah A. Yates, Steven M. Garrett, William A. Kantlehner III, Thomas J. Mitchell, Jeffrey A. Brown, Diane L. Phelps, S. Annette Mullet, Roger A. Neal, and Linda Kapfhammer

of the City of Louisville, State of Kentucky, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

Not limited to a specific dollar amount.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 4th day of January, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 4th day of January, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



[Signature]
Marie C. Tetreault, Notary Public

NOTE: This agreement must be properly executed and must accompany the Bid Bond as proposal security.

AGREEMENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that we Travelers Casualty and Surety Company of America, as Surety, a corporation existing under the laws of the State of Connecticut, and authorized to transact business in the State of Kentucky hereby agree to execute, within the time limit specified in the Contract, the Bonds, in the forms and in the amounts required for the faithful performance and proper fulfillment of the Contract for Construction of **, on behalf of

Reynolds, Inc., hereinafter called the Bidder, provided that the

Notice of Award be delivered to the Bidder within the time period that Bids are subject to acceptance or within any extended period for which the Bidder agrees not to withdraw his bid; and the Surety further agrees that should the Surety, after notification of such award, omit or refuse to execute the required bonds, then the Surety shall pay to the *** the amount of the Bid Bond. **Northern Division Connection, Phase 3, Booster Pump Station with Elevated Storage Tank and Owenton Elevated Storage Tank

***Kentucky-American Water Company

February 28th, 2012

Date

Travelers Casualty and Surety Company of America

Corporate Surety

(AFFIX CORPORATE SEAL)

William A. Kantlehner, III

Attorney-in-Fact and Kentucky Resident Agent

Title

Garrett-Stotz Company

1601 Alliant Avenue

Louisville, KY 40299-6338

Business Address



Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 220048

Certificate No. 004674715

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Deborah A. Yates, Steven M. Garrett, William A. Kantlehner III, Thomas J. Mitchell, Jeffrey A. Brown, Diane L. Phelps, S. Annette Mullet, Roger A. Neal, and Linda Kapfhammer

of the City of Louisville, State of Kentucky, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

Not limited to a specific dollar amount.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 4th day of January, 2012.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: George W. Thompson
George W. Thompson, Senior Vice President

On this the 4th day of January, 2012, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2016.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

Commonwealth of Kentucky

Trey Grayson

Secretary of State

Certificate of Authorization

I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

REYNOLDS, INC.

, a corporation organized under the laws of the state of Indiana, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on October 20, 2005.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 271B.16-220 has been delivered to the Secretary of State.

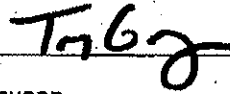
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 21st day of October, 2005.

Certificate Number: 21599

Jurisdiction: Reynolds, Inc.

Visit <http://apps.sos.ky.gov/business/obdb/certvalidate.aspx> to validate the authenticity of this certificate.




Trey Grayson
Secretary of State
Commonwealth of Kentucky
21599/0624018

CERTIFICATE

The undersigned, Liz Smith, hereby certifies that she is the duly elected, qualified, and acting Assistant Secretary of Reynolds, Inc., an Indiana corporation (the "Company"), and as such is familiar with the books and records of said Company, and does hereby certify the following:

1. that Les Archer is the Senior Vice President of Reynolds, Inc.;
2. that the resolutions set forth below were adopted by Minutes of Action Taken in Lieu of a Meeting of the Board of Directors of said Company by written consent, dated as of March 1, 2010, that the following is a true and correct copy of such resolutions as they appear in the minute books of the Company, and that such resolutions are in full force and effect:

Authority To Enter Into Contracts

WHEREAS, the directors deem it in the best interests of the Company to state the bid, contract and purchase order limits of the various officers and employees of the Company.

NOW, THEREFORE, BE IT RESOLVED, that effective as of March 1, 2010, and in lieu of all previous actions of the Board of Directors, the authority of the following officers and employees of the Company to (i) accept customer purchase orders and affix the corporate seal thereon; (ii) issue bids and/or enter into contracts with customers; and (iii) enter into contracts with vendors in connection with the sale of the Company's products and services and the purchase of supplies and equipment, in the name of and on behalf of the Company, shall be for an amount up to and including the amount set forth beside each of their titles in the following schedule:

<u>Title</u>	<u>Amount</u>
Chief Executive Officer	\$15,000,000
President	\$10,000,000
Vice President	\$5,000,000
Assistant Division Manager, District Manager or Branch Manager	\$1,000,000

FURTHER RESOLVED, that the chief executive officer, president or vice president of the Company may delegate the authority to enter into contractual commitments which they are authorized to execute pursuant to these resolutions to any other officer, assistant division manager, district manager, branch manager or other employee of the Company and may, as requested by any third party, indicate such delegation by addressing a letter or other written document to such third party.

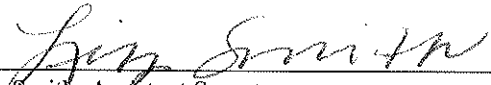
FURTHER RESOLVED, that prior to execution thereof, pursuant to the preceding resolution, any contract in excess of the authorized limits granted herein must be approved by any two members of the Board of Directors; provided, however, that the execution of any contract in accordance with the preceding resolution may be considered by all third parties to be conclusive evidence that all appropriate authority pursuant to these resolutions has been granted.

FURTHER RESOLVED, that the secretary, any assistant secretary, or any other officer of the Company be, and they hereby are, authorized to certify a copy of these resolutions, and any customer of the Company is hereby authorized to rely upon said certificate as so presented.

3. that in accordance with these resolutions, two members of the Board, Messrs. Jeffrey J. Reynolds and Rene J. Robichaud, have granted authorization to Les Archer, Senior Vice President of Reynolds, Inc., to sign all contract documents and change notices between the Owner and Reynolds, Inc., in an amount not to exceed the bid amount for the project known as: **Northern Division Connection, Phase 3 – Booster Pump Station with Elevated Storage Tank and Owenton Elevated Storage Tank.**

IN WITNESS WHEREOF, Liz Smith has hereunto set her hand and affixed the corporate seal of Reynolds, Inc. this 28th day of February, 2012.

[CORPORATE SEAL]



 Liz Smith, Assistant Secretary
 Reynolds, Inc.
 4520 N. State Rd. 37
 Orleans, IN 47452

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

106. State the date when Kentucky-American anticipates issuing a new or updated version of its Least Cost/Comprehensive Planning Study.

Response:

KAW is currently working on the Least Cost/Comprehensive Planning Study which will be completed in 2013.

KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

107. Refer to Kentucky-American's Response to Commission Staff's First Request for Information, Item 36 at 2.

- a.
 - (1) State whether the Comprehensive Planning Study referred to in Paragraph 8 has been completed.
 - (2) If the Comprehensive Planning Study has been completed, provide a copy of this study.
 - (3) If the Comprehensive Planning Study has not been completed, state the expected completion date.
- b.
 - (1) State whether the tie-in of motor electrical usage into plant SCADA systems has been completed.
 - (2) If the tie-in has been completed, state the date of completion.
 - (3) If the tie-in has not been completed, state the expected date of completion.
 - (4) Describe the information that this tie-in provides to operators and supervisors.
- c. Describe the process that Kentucky-American has instituted to assess plant automation technology and manage chemical and electrical costs.
- d. Identify the time-of-day and load sharing programs that Kentucky-American presently participates.
- e. Identify the electric service contracts that Kentucky-American has renegotiated since January 1, 2008 to ensure appropriate demand levels and tariffs. State the amount of savings from these renegotiations.
- f. Provide a copy of any report of lighting audits that have been conducted since January 1, 2008.
- g. Provide a copy of each energy audit conducted since January 1, 2008 to evaluate electrical outlet load, windows, HVAC system, and pumping. Identify that each action taken in response to the recommendations of each audit.

Response:

- a.
 - (1) No, the Comprehensive Planning Study has not been completed.
 - (2) Please see response to a.(1) above.
 - (3) The Comprehensive Planning Study is scheduled to be completed in 2013.
- b.
 - (1) The tie-in of motor electrical usage into plant SCADA systems has not been fully completed. Equipment has been purchased and installed at both the Richmond Road Station and Kentucky River Station II facilities. Programming is expected to be completed in late 2013 providing visibility into the systems. Kentucky River Station I equipment will be purchased and installed in 2013 with programming expected to occur in 2014.
 - (2) Not applicable.
 - (3) Expected completion by July 2014.
 - (4) The tie-in will provide real-time information regarding demand and kilowatt consumption of the largest motors. The intent is to link the real time load information to electric tariff time of day pricing information for that period so that the operators will have visibility to the full pricing impact of turning a large piece of equipment on or off, and enable consideration of waiting for a better price period in which to do so. For example, an operator would be able to visually see that turning off a pump prior to peak hours could potentially save hundreds of dollars if the process was continued for the remainder of the month.
- c. Kentucky American Water is currently in the process of installing streaming current monitors which should provide the first step in automating our primary coagulants. At this same time, we are also modifying our SCADA system with new programming which will enable us to automate our post-treatment chemicals based upon flow rates and analyzer feedback. The electrical costs will be better managed by the completion of the project described in part b (4), above.
- d. The Kentucky River Station I and the Richmond Road Station are impacted by KU's Time of Day tariff. Kentucky River Station II is impacted by Owen Electric's Large Industrial Rate LPB1 tariff which also utilizes a time of day scheme. We participate in KU's Commercial Demand Conservation Program which involves load shedding during periods of high electrical demand as determined by KU.
- e. Kentucky American Water renegotiated Richmond Road Station contract changing from Power Service Secondary tariff to Time of Day Secondary tariff during 2012. The kwh usage charge is slightly higher but the demand charges are significantly lower in the new tariff. While it is difficult to quantify the savings, based upon estimated electrical usage, the annual savings may be in the \$25,000

range. The Jacobson Reservoir contract was also renegotiated in 2012 to reduce contract demand and lessen the potential impact of minimum bills based on contract demand for those billing months when Jacobson may not be used as a water source. Demand was lowered by 350KVA, reducing by approximately \$2500 the potential impact in any month that contract demand determines minimum bill.

- f. Please refer to the response to Item 38 of the Commission's First Request for Information.
- g. Please refer to the response to Item 38 of the Commission's First Request for Information.

**KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION**

Witness: Cheryl D. Norton/Gary M. VerDouw

108. Provide a detailed organizational chart for:

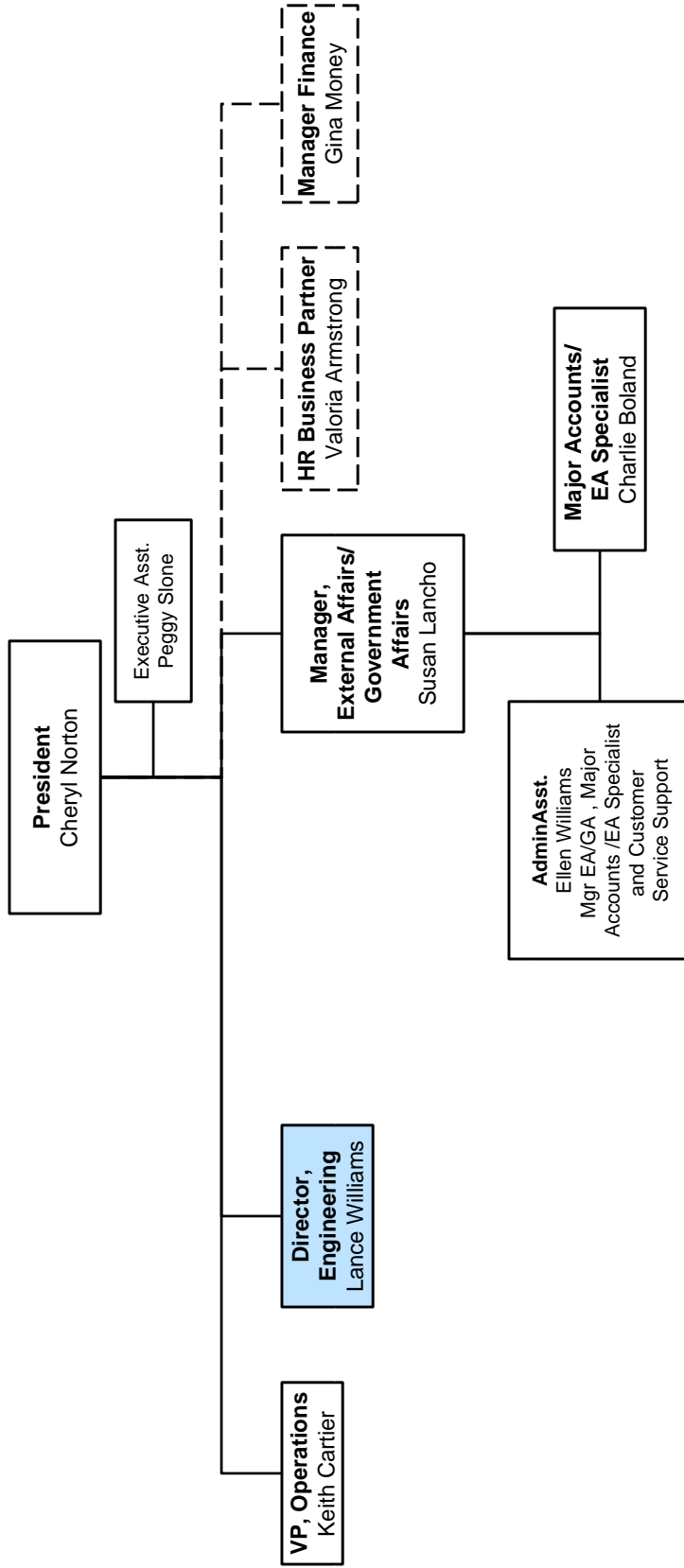
- a. Kentucky-American;
- b. American Water; and
- c. Service Company.

Response:

- a. Please refer to the attached.
- b. Please refer to Item 33 of the Attorney General's First Request for Information.
- c. Please refer to Item 95 of the Attorney General's First Request for Information.

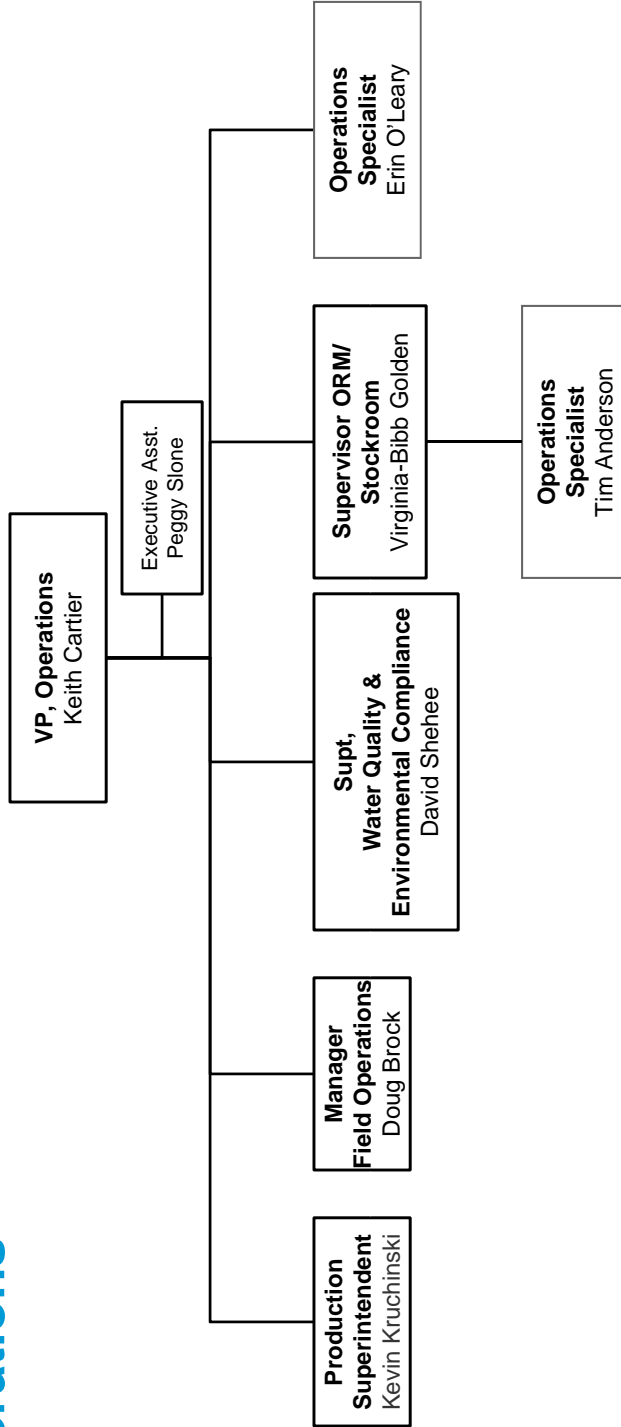


Kentucky American Water Sr. Leadership



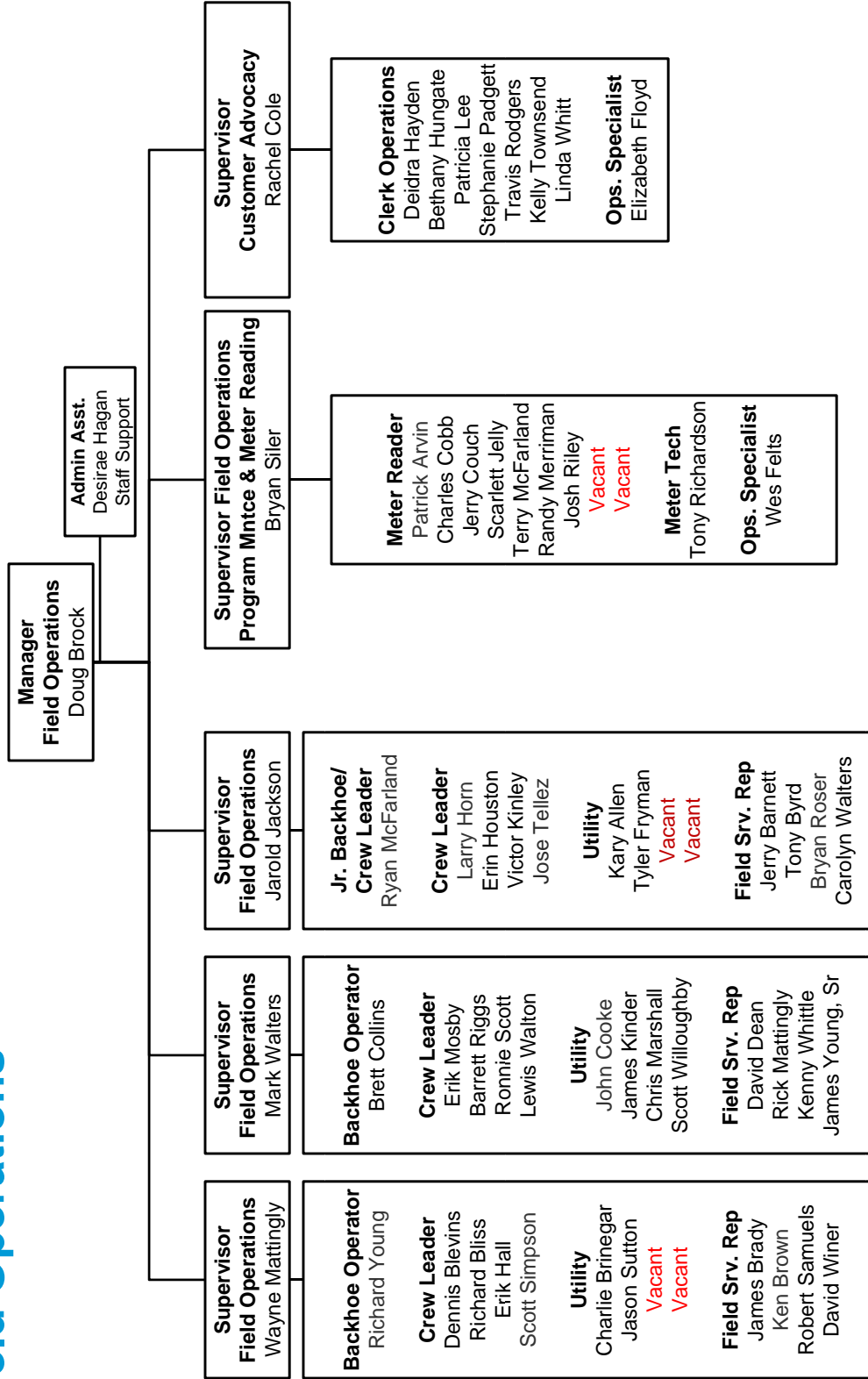


Kentucky American Water Operations



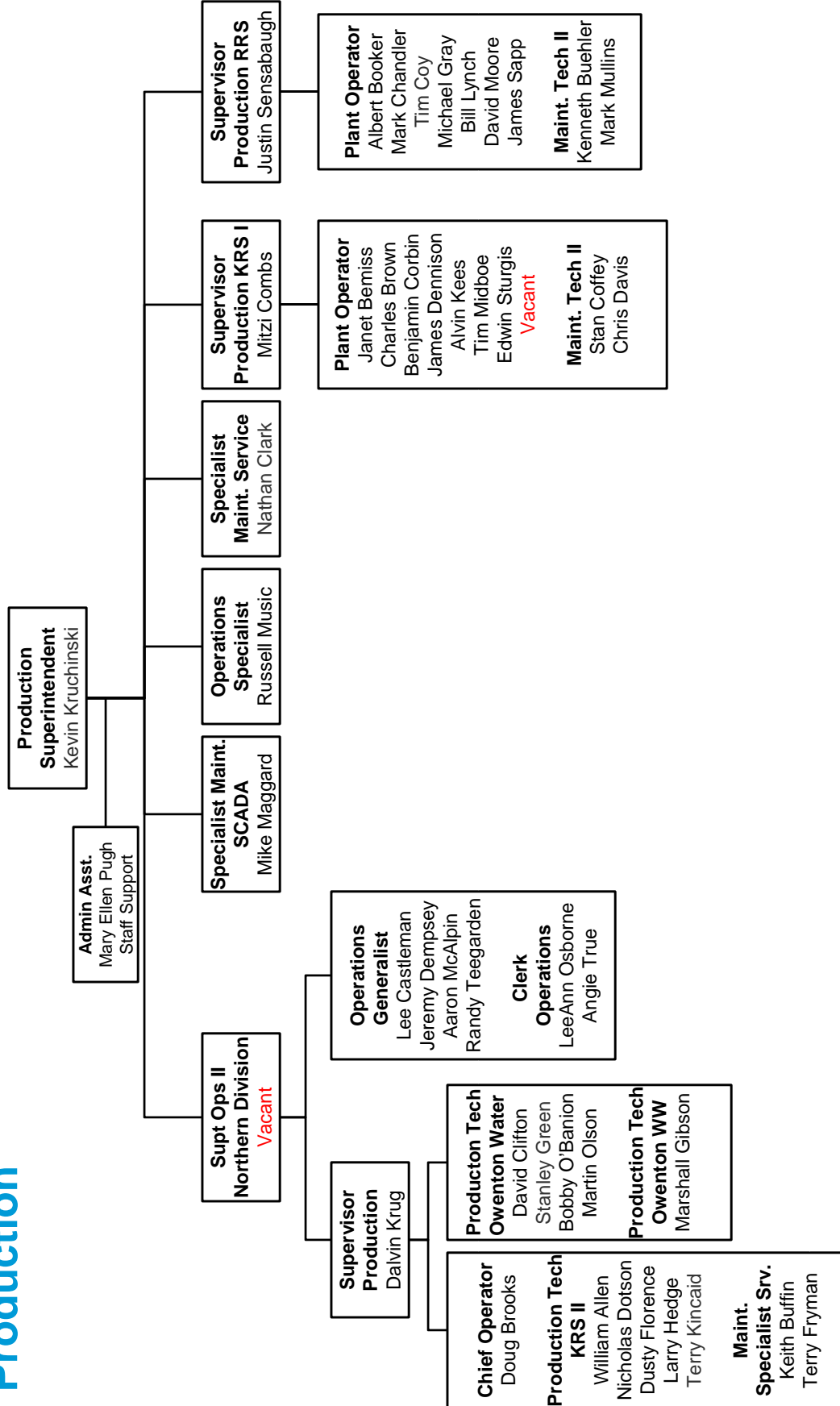


Kentucky American Water Field Operations



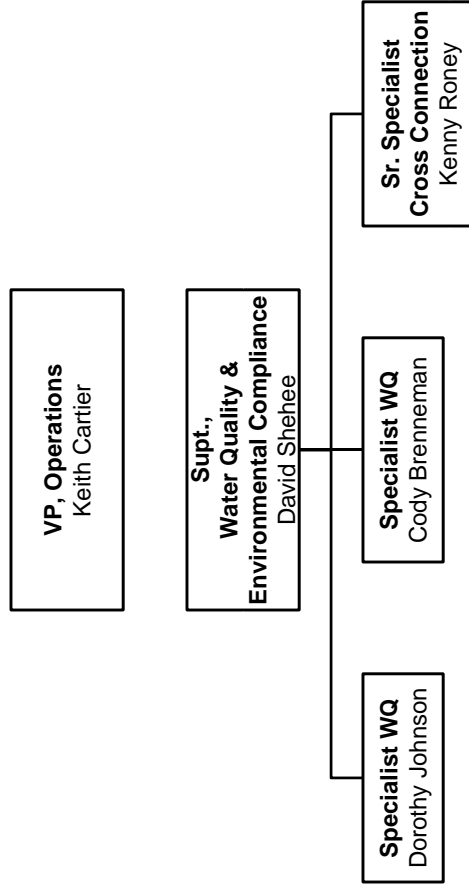


Kentucky American Water Production



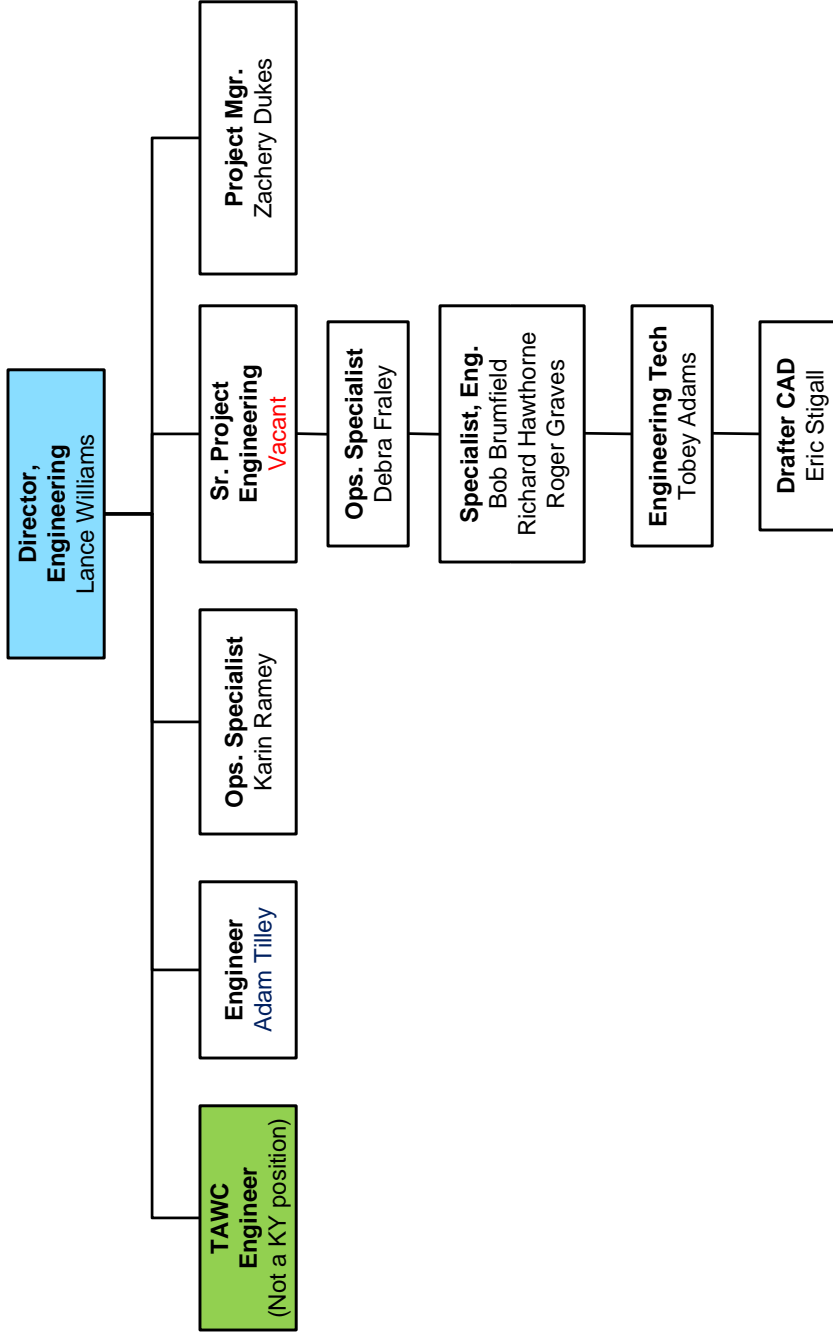


Kentucky American Water Water Quality & Environmental Compliance





Kentucky American Water Engineering



KENTUCKY-AMERICAN WATER COMPANY
CASE NO. 2012-00520
COMMISSION STAFF'S SECOND REQUEST FOR INFORMATION

Witness: Linda C. Bridwell

109. Refer to Kentucky-American's Response to Commission Staffs First Request for Information, Item 3(a), W/P-3 at 175, "Base Year Adjustment Miscellaneous Expense." Kentucky-American includes in its miscellaneous expense forecast, "Charitb Don-H/Ed/En" of \$98,000 and "Charitb Don-Community" of \$52,250. For each donation included in this forecast, identify the organization or group to which the donation will be paid and an explanation as to why this donation should be recovered through rates.

Response:

Please refer to Exhibit 37, Schedule F-2.1, pages 3 and 4 for a listing of all charitable contributions, which includes each organization to be paid.

These two charitable donation accounts were inadvertently included in the Miscellaneous Expense adjustment. The amounts of \$98,000 and \$52,250 should not be included in the forecasted amount and their adjustments should be removed. The Company is not seeking recovery through rates on these charitable contributions. Therefore, \$150,250 should be removed from the forecast balance at July 31, 2014 in Miscellaneous Expense. This will be reflected in the Base Period update.