FORM 993

Kentucky-American Water Company
2000 INVESTMENT PLAN

	Investment Item	Brief Description of Proposed Expenditures		Authorized Expenditures FY2000
	A	Mains, Hydrants, Valves, Meters - Deposit/Contribution		4,250,000
	B	Mains, Hydrants, Valves - Company Expense		1,139,500
	C	Services		1,095,000
	D	Meters		1,035,000
	E	Office Furniture & Equipment		206,200
	F	Transportation		180,600
	G	General Equipment		310,200
	H	Miscellaneous		285,000
		TOTAL ITEM A THROUGH H		8,501,500

			CPS No.	Estimated Cost	Prior	FY2000	FY2001	FY2002	Strategic Business Plan 1999	1998	1997	1996	Original SBP Cost	Year
		Current Investment Projects												
	92-12	Bluegrass Water Project	A-10	6,220,000	5,950,000	270,000			X	X	X	X	47,560,000	1994
	96-19	Customer Service Software		1,820,000	990,000	347,000	483,000	0	X	X	X		352,000	1997
	97-08	Chemical Systems Improvements		1,480,000	918,000	562,000		0	X	X	X		686,000	1996
	98-01	Intergrated Resource Plan		350,000	120,000	230,000		0	X	X	X	X	350,000	1994
	98-05	Leestown Road (Phase II)		320,000	106,500	213,500		0	X	X	X	X	320,000	1996
	98-12	Clark County Improvements		2,000,000	1,000,000	300,000	700,000	0	X	X			2,000,000	1998
	99-03	Scott County Mains		1,500,000	650,000	850,000	0	0	X	X	X	X	500,000	1996
	99-07	Bourbon County Main Extensions		916,000	516,000	400,000	0	0						
	99-08	US 62 Relocation		1,800,000	650,000	1,150,000	0	0	X	X	X	X	400,000	1996
		New Investment Projects												
	00-	Rebuild Underdrain Sys of KRS Filter 5 & 6		212,000	0	212,000	0	0	X				200,000	1999
	00-	Paris Pike Relocation - Design		50,000	0	50,000	0		X	X	X	X	2,000,000	1996
	00-	Harrodsburg Road Relocation - Design		100,000	30,000	70,000	0	0	X				200,000	1999
	00-	Richmond Road Relocation- Design		94,000	0	94,000	0	0						
		INVESTMENT PROJECT TOTAL				4,748,500								
Line 1		**TOTAL ITEM A THROUGH IP's (2000)**				13,250,000								
Line 2		Item A and IP Contributions				5,012,000								
Line 3		**COMPANY FUNDED EXPENDITURES (1 minus 2)**				8,238,000								
		Acquisitions												
Line 4		**TOTAL ACQUISITIONS (2000)**				-								
Line 5		**TOTAL-CAPITAL EXPENDITURES (1 plus 4) (2000)**				13,250,000								

President

Date

Approved by Board of Directors for the Year 1999

2000 Investment Plan Summary

Program of Construction Item	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FORECAST TOTAL	1999-2003 SBP Budget
Item A - Mains & Hydrants, Deposit Agreements	100,000	205,000	315,000	371.000	422,000	527,000	532,000	532,000	433,000	323.000	273,000	217.000	4,250,000	2,884,000
Item B - Mains & Hydrants, New & Replacement	28,000	38,500	50,000	82,000	110,500	152,500	160,000	159,000	102,000	76,000	101,000	80,000	1,139,500	1,261,750
Item C - Services	56,400	65,400	70,900	70,400	92,400	101,850	102,950	111,900	158,900	98,400	80,900	84,600	1,095,000	1,041,330
Item D - Meters & Installations	48,700	74,750	75,400	75,500	79,700	162,400	95,750	98,250	87,650	78,000	44,450	114,450	1,035,000	1,236,000
Item E - Office Furniture & Equipment	19,000	13,000	23,000	31,000	12,200	30,000	23,000	10,000	30,000	5,000	5,000	5,000	206,200	515,958
Item F - Transportation Equipment	0	0	0	0	35,000	0	65,200	80,400	0	0	0	0	180,600	301,893
Item G - General Equipment	16,000	2,000	31,400	18,900	11,200	35,200	60,000	79,000	27,500	29,000	0	0	310,200	248,646
Item H - Miscellaneous	0	25,000	0	55,000	35,000	50,000	30,000	15,000	35,000	40,000	0	0	285,000	295,610
SUBTOTAL	268,100	423,650	565,700	703,800	798,000	1,058,950	1,068,900	1,085,550	874,050	649,400	504,350	501,050	8,501,500	7,785,187
LESS Item A	100,000	205,000	315,000	371,000	422,000	527,000	532,000	532,000	433,000	323,000	273,000	217,000	4,250,000	2,884,000
TOTAL	168,100	218,650	250,700	332,800	376,000	531,950	536,900	553,550	441,050	326,400	231,350	284,050	4,251,500	4,901,187
CPS #	INVESTMENT PROJECTS														
A-10	92-12	Bluegrass Water Project	50,000	50,000	50,000	50,000	50,000	20,000	0	0	0	0	0	0	270,000	2,200,000
	96-19	Customer Service Software	20,000	22,500	25,000	25,000	27,500	30,000	30,000	30,000	25,000	30,000	45,000	37,000	347,000	0
	97-08	Chemical Systems Improvements	5,000	5,000	5,000	50,000	75,000	50,000	100,000	100,000	50,000	45,000	45,000	32,000	562,000	562,000
A-18	98-01	Intergrated Resource Plan	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	10,000	230,000	125,000
	98-05	Leestown Road (Phase II)	3,500	4,000	4,500	5,000	5,000	5,000	3,500	1,000	1,000	1,000	90,000	90,000	213,500	0
	98-12	Clark County Improvements	0	0	0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	451,000
	99-03	Scott County Mains	1,000	2,000	2,000	2,000	2,000	1,000	50,000	100,000	200,000	200,000	200,000	90,000	850,000	750,000
	99-07	Bourbon County Main Extensions	20,000	20,000	20,000	40,000	75,000	75,000	75,000	75,000	0	0	0	0	400,000	0
	99-08	US 62 Relocation	50,000	50,000	50,000	150,000	150,000	150,000	125,000	125,000	125,000	100,000	50,000	25,000	1,150,000	0
	00-	Rebuild Underdrain Sys of KRS Filter 5 & 6	0	0	135,000	50,000	27,000	0	0	0	0	0	0	0	212,000	200,000
	00-	Paris Pike Relocation - Design	2,000	3,000	5,000	2,000	3,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000	50,000
	00-	Harrodsburg Road Relocation - Design	0	6,000	6,000	10,500	10,500	10,500	15,500	5,500	3,500	1,000	500	500	70,000	1,200,000
	00-	Richmond Road Relocation- Design	0	0	5,000	7,000	12,000	25,000	20,000	10,000	5,000	5,000	5,000	0	94,000	0
		SUB-TOTAL IP'S	171,500	182,500	327,500	411,500	457,000	391,500	494,000	521,500	484,500	457,000	510,500	339,500	4,748,500	
		IP Reimbursements	45,000	0	214,500	45,000	45,000	0	0	0	0	0	0	412,500	762,000	
		TOTAL IP'S (Less Reimbursements)	126,500	182,500	113,000	366,500	412,000	391,500	494,000	521,500	484,500	457,000	510,500	(73,000)	3,986,500	
Total Investment Plan (Less Item A and Reimbursements)			294,600	401,150	363,700	699,300	788,000	923,450	1,030,900	1,075,050	925,550	783,400	741,850	211,050	8,238,000	16,246,687

2000 Investment Plan - Investment Projects

CPS #	Project No.	IP No.	INVESTMENT PROJECTS	Acct	12/10/1999 Prior	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2000 TOTAL	YTD Forecast / YTD Actual	Projected Total	Anticipated Completion	COMMENTS
A-10	10212	92-12	Bluegrass Water Project	343	5,950,000	50,000	50,000	50,000	50,000	50,000	20,000	0	0	0	0	0	0	270,000		58,000,000	??	Carryover 2000
	10619	96-19	Customer Service Software	391.25	990,000	20,000	22,500	25,000	25,000	27,500	30,000	30,000	30,000	25,000	30,000	45,000	37,000	347,000		1,300,000	Dec-01	Revise 12/99
	10710	97-08	Chemical Systems Improvements	332	920,000	5,000	5,000	5,000	50,000	75,000	50,000	100,000	100,000	50,000	45,000	45,000	32,000	562,000		1,480,000	Dec-00	$918,000 in December 1999
	10704	98-01	Intergrated Resource Plan	300	120,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	10,000	230,000		350,000	Dec-00	$562,000 in December 2000
	10805	98-05	Leestown Road (Phase II)	343	90,000	3,500	4,000	4,500	5,000	5,000	5,000	3,500	1,000	1,000	1,000	90,000	90,000	213,500		320,000	Jun-01	Carryover 2000
	10813	98-12	Clark County Improvements	343	1,000,000	0	0	0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000		2,000,000	Sep-01	$1,000,000 in December 1999
	10511	99-03	Scott County Mains	343	650,000	1,000	2,000	2,000	2,000	2,000	1,000	50,000	100,000	200,000	300,000	200,000	90,000	850,000		1,500,000	Dec-00	$300,000 in December 2000
	10908	99-07	Bourbon County Main Extensions	343	516,000	20,000	20,000	20,000	40,000	75,000	75,000	75,000	75,000	0	0	0	0	400,000		916,000	Aug-00	$600,000 in December 1999
B-11	11104	99-08	US 62 Relocation	343	650,000	50,000	50,000	50,000	150,000	150,000	150,000	125,000	125,000	125,000	100,000	50,000	25,000	1,150,000		1,800,000	Dec-00	$900,000 in December 2000
	11003	00-	Rebuild Underdrain Sys of KRS Filter 5 & 6	??	0	0	0	135,000	50,000	27,000	0	0	0	0	0	0	0	212,000		212,000	Sep-00	$400,000 in December 1999
	10703	00-	Paris Pike Relocation - Design	343	0	2,000	3,000	5,000	2,000	3,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000		1,000,000	Dec-03	$516,000 in August 2000
	11004	00-	Harrodsburg Road Relocation - Design	300	30,000		6,000	6,000	10,500	10,500	10,500	15,500	5,500	3,500	1,000	500	500	70,000		1,750,000	Dec-01	New
	11005	00-	Richmond Road Relocation- Design	300	0	0	0	5,000	7,000	12,000	25,000	20,000	10,000	5,000	5,000	5,000	0	94,000		1,500,000	Dec-01	New
			Investment Total			171,500	182,500	327,500	411,500	457,000	391,500	494,000	521,500	484,500	457,000	510,500	339,500	4,748,500				
			Reimbursements			45,000		214,500	45,000	45000							412,500	762,000				
			Investment Plan Total			126,500	182,500	113,000	366,500	412,000	391,500	494,000	521,500	484,500	457,000	510,500	(73,000)	3,986,500				
			Actual/Projected																			

ITEM A - MAINS & HYDRANTS, DEPOSIT AGREEMENT
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mains	343	*100,000*	*200,000*	*300,000*	*350,000*	*400,000*	*500,000*	*500,000*	*500,000*	*400,000*	*300,000*	*250,000*	*200,000*	*4,000,000*
Reimbursible projects from Item B	343	*0*	*0*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*5,000*	*50,000*
Fire Services	345	*0*	*5,000*	*10,000*	*15,000*	*15,000*	*20,000*	*25,000*	*25,000*	*25,000*	*15,000*	*15,000*	*10,000*	*180,000*
Hydrants	348	*0*	*0*	*0*	*1,000*	*2,000*	*2,000*	*2,000*	*2,000*	*3,000*	*3,000*	*3,000*	*2,000*	*20,000*
Total Budget		*100,000*	*205,000*	*315,000*	*371,000*	*422,000*	*527,000*	*532,000*	*532,000*	*433,000*	*323,000*	*273,000*	*217,000*	*4,250,000*

ITEM B - MAINS & HYDRANTS, NEW & REPLACEMENT
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Mains @ Company Expense	343	10,000	10,000	15,000	25,000	25,000	30,000	35,000	40,000	35,000	25,000	25,000	25,000	300,000
2. Hydrants @ Company Expense	348	5,000	10,000	15,000	15,000	20,000	40,000	40,000	40,000	25,000	20,000	20,000	10,000	260,000
3. Replacements & Improvements by KAWC	343	5,000	4,000	2,000	1,000	500	500	3,000	6,000	3,000	2,000	10,000	3,000	40,000
	348			1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
4. Miscellaneous Capitalized Maintenance Repairs	343	5,000	5,000	2,000	2,000	1,000	2,000	4,000	8,000	2,000	3,000	10,000	6,000	50,000
5. Reynolds Road at RR Crossing	343									1000	5000	15000	15000	36,000
6. Short Street	343						5,000	10,000	10,000	5,000				30,000
7. North Limestone Street	343				5,000	15,000	20,000	20,000	15,000	5,000				80,000
8. Granard Avenue	343						5,000	10,000	10,000					25,000
9. Morrison Ave.	343						5,000	10,000	10,000					25,000
10. Davidson Ct.	343				5,000	10,000	5,000							20,000
11. East High Street	343						5,000	5,000	5,000					15,000
12. Victory Ave.	343							1,000	4,000	20,000	20,000	20,000	20,000	85,000
13. Chestnut Ave.	343	1,000	2,000	2,000	10,000	10,000	4,000	1,000						30,000
14. Rosemont Gardens	343			5,000	10,000	20,000	25,000	20,000	10,000	5,000				95,000
15. Old Frankfort Pike Relocation	343	2,000	7,500	8,000	8,000	8,000	5,000							38,500
Total Budget		28,000	38,500	50,000	82,000	110,500	152,500	160,000	159,000	102,000	76,000	101,000	80,000	1,139,500

ITEM C - SERVICES
2000 INVESTMENT PLAN

Item	Account Unit Cost	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Install 3/4" Services (5002)	345	*1,500*	*3,000*	*6,000*	*3,000*	*4,500*	*6,000*	*4,500*	*4,500*	*9,000*	*6,000*	*6,000*	*3,000*	*57,000*
Quantity=	$ 300	5	10	20	10	15	20	15	15	30	20	20	10	*190*
2. Renew 3/4" Services (6002)	345	*0*	*5,000*	*10,000*	*10,000*	*10,000*	*15,000*	*20,000*	*20,000*	*15,000*	*15,000*	*10,000*	*5,000*	*135,000*
Quantity=	$ 1,000	0	5	10	10	10	15	20	20	15	15	10	5	*135*
3. Extend 3/4" Services (7002)	345	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*500*	*6,000*
Quantity=	$ 500	1	1	1	1	1	1	1	1	1	1	1	1	*12*
4. Install 1" Services (5102)	345	*40,000*	*40,000*	*40,000*	*40,000*	*60,000*	*60,000*	*60,000*	*70,000*	*120,000*	*60,000*	*50,000*	*60,000*	*700,000*
Quantity=	$ 400	100	100	100	100	150	150	150	175	300	150	125	150	*1,750*
5. Renew 1" Services (6102)	345	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*9,500*	*114,000*
Quantity=	$ 950	10	10	10	10	10	10	10	10	10	10	10	10	*120*
6. Extend 1" Services (7102)	345	*0*	*2,500*	*0*	*2,500*	*0*	*2,500*	*0*	*2,500*	*0*	*2,500*	*0*	*2,500*	*15,000*
Quantity=	$ 500	0	5	0	5	0	5	0	5	0	5	0	5	*30*
7. Install 2" Services (5302)	345	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*4,000*	*3,200*	*47,200*
Quantity=	$ 800	5	5	5	5	5	5	5	5	5	5	5	4	*59*
8. Renew 2" Services (6302)	345	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*900*	*10,800*
Quantity=	$ 900	1	1	1	1	1	1	1	1	1	1	1	1	*12*
9. Extend 2" Services (7302)	345	*0*	*0*	*0*	*0*	*0*	*450*	*450*	*0*	*0*	*0*	*0*	*0*	*900*
Quantity=	$ 450	0	0	0	0	0	1	1	0	0	0	0	0	*2*
10-Install Domestic Services larger than 2"	345	*0*	*0*	*0*	*0*	*3,000*	*3,000*	*3,100*	*0*	*0*	*0*	*0*	*0*	*9,100*
	$ 3,000	0	0	0	0	1	1	1	0	0	0	0	0	*3*
Subtotal		*56,400*	*65,400*	*70,900*	*70,400*	*92,400*	*101,850*	*102,950*	*111,900*	*158,900*	*98,400*	*80,900*	*84,600*	*1,095,000*

ITEM D - METERS
2000 INVESTMENT PLAN

Item	Account Unit Cost	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Purchase 5/8" & 3/4" (1002)	346.2	0	30,000	0	30,000	0	30,000	0	30,000	0	30,000	0	30,000	180,000
Quantity=	$ 30	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000	0	1,000	6,000
1A. Purchase 5/8" & 3/4" (1002) - Encoders	346.2	0	0	5,500	0	0	8,250	0	0	8,250	0	0	5,500	27,500
Quantity=	$ 55	0	0	100	0	0	150	0	0	150	0	0	100	500
2. Purchase 1" (1102)	346.3	0	0	5,500	0	0	11,000	0	0	11,000	0	0	11,000	38,500
Quantity=	$ 55	0	0	100	0	0	200	0	0	200	0	0	200	700
2. Purchase 1-1/2" (1202)	346.3	0	0	2,000	0	0	2,000	0	0	2,000	0	0	2,000	8,000
Quantity=	$ 200	0	0	10	0	0	10	0	0	10	0	0	10	40
3. Purchase 2" (1302)	346.3	0	0	18,750	0	0	18,750	0	0	18,750	0	0	18,750	75,000
Quantity=	$ 250	0	0	75	0	0	75	0	0	75	0	0	75	300
4. Purchase 4"	346.3	0	0	450	0	0	450	0	0	450	0	0	450	1,800
Quantity=	$ 450	0	0	1	0	0	1	0	0	1	0	0	1	4
5. Purchase 6"	346.3	0	0	0	0	0	1,000	0	0	0	0	0	0	1,000
Quantity=	$ 1,000	0	0	0	0	0	1	0	0	0	0	0	0	1
6. Install 5/8" and 3/4" Meters (2002)	347	37,500	30,000	30,000	30,000	30,000	37,500	37,500	37,500	30,000	30,000	30,000	30,000	390,000
Quantity=	$ 150	250	200	200	200	200	250	250	250	200	200	200	200	2,600
7. Renew 5/8"x3/4" (3002)	347	1,250	2,500	2,500	2,500	3,750	5,000	7,500	7,500	5,000	5,000	3,750	3,750	50,000
Quantity=	$ 250	5	10	10	10	15	20	30	30	20	20	15	15	200
8. Extend 5/8" and 3/4" (4002)	347	250	250	250	250	250	250	250	250	250	250	250	250	3,000
Quantity=	$ 250	1	1	1	1	1	1	1	1	1	1	1	1	12
9. Install 1" (2102)	347	750	750	1,500	1,500	3,000	3,000	4,500	3,000	3,000	1,500	1,500	1,500	25,500
Quantity=	$ 150	5	5	10	10	20	20	30	20	20	10	10	10	170
10. Renew 1" (3102)	347	200	200	200	200	200	200	200	200	200	200	200	200	2,400
Quantity=	$ 200	1	1	1	1	1	1	1	1	1	1	1	1	12
11. Extend 1" (4102)	347	0	0	0	0	0	200	0	0	0	0	0	0	200
Quantity=	$ 200	0	0	0	0	0	1	0	0	0	0	0	0	1
12. Install 2" (2302)	347	8,750	8,750	8,750	8,750	17,500	17,500	17,500	17,500	8,750	8,750	8,750	8,750	140,000
Quantity=	$ 1,750	5	5	5	5	10	10	10	10	5	5	5	5	80
13. Renew 2" (3302)	347	0	2,300	0	2,300	0	2,300	0	2,300	0	2,300	0	2,300	13,800
Quantity=	$ 2,300	0	1	0	1	0	1	0	1	0	1	0	1	6
14. Extend 2" (4302)	347	0	0	0	0	0	0	3,300	0	0	0	0	0	3,300
Quantity=	$ 3,300	0	0	0	0	0	0	1	0	0	0	0	0	1
15. Domestic Services Larger than 2"	347	0	0	0	0	25,000	25,000	25,000	0	0	0	0	0	75,000
Quantity=	$ 25,000	0	0	0	0	1	1	1	0	0	0	0	0	3
Total		48,700	74,750	75,400	75,500	79,700	162,400	95,750	98,250	87,650	78,000	44,450	114,450	1,035,000

ITEM E - OFFICE FURNITURE & EQUIPMENT
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Administrative														
1. Purchase HR CD-Rom Software	391.26	*4,000*												*4,000*
Commercial														
1. Install Two (2) Additional CSR Home Units		*15,000*												*15,000*
2. Upgrade Telephone System	397		*10,000*											*10,000*
Information Services														
1. Purchase 5 Compaq PC's w/ Monitors	391.21				*10,000*									*10.000*
2. Install Remote ADSL Connections	391.2							*10,000*						*10,000*
3. Upgrade Bay Network Router Hardware	391.2						*20,000*							*20,000*
4. Purchase 4 Laser Jet Printers	391.21			*3,000*				*3,000*						*6,000*
5. Install Communication Server	391.2									*20,000*				*20,000*
Distribution														
1. Purchase Laser Printer	391.21		*3,000*											*3,000*
2. Purchase Two Laptop Computers	391.21				*8,500*									*8,500*
3. Purchase MapSync Software and Training	391.28				*2,500*									*2,500*
Engineering														
1. Replace CADD Plotter	391.23			*10,000*										*10,000*
2. Upgrade CADD/Database Integration	391.28			*10,000*	*10,000*	*10,000*	*10,000*	*10,000*	*10,000*	*10,000*	*5,000*	*5,000*	*5,000*	*85,000*
Water Quality														
1. Replace Laboratory Tables at KRS	391.1					*2,200*								*2,200*
Total Budget		*19,000*	*13,000*	*23,000*	*31,000*	*12,200*	*30,000*	*23,000*	*10,000*	*30,000*	*5,000*	*5,000*	*5,000*	*206,200*

ITEM F - TRANSPORTATION EQUIPMENT
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Distribution														
1. Replace 1992 Ford F-350 Truck, Unit 26	392.12								*45,200*					*45,200*
2. Replace 1995 Chevy C-3500 Truck, Unit 52	392.12								*45,200*					*45,200*
3. Replace 1995 Ford Ranger, Unit 47	392.11							*22,500*						*22,500*
4. Replace 1995 Ford Ranger, Unit 49	392.11							*22,500*						*22,500*
5. Replace 1994 Jeep Cherokee, Unit 31	392.11					*20,000*								*20,000*
Engineering														
1. Replace 1991 GMC Jimmy 2-Door, Unit 151	392.11					*20,000*								*20,000*
Production														
1. Replace 1992 Ford F-150 1/2 Ton, Unit 23	392.11							*26,200*						*26,200*
Total		*0*	*0*	*0*	*0*	*40,000*	*0*	*71,200*	*90,400*	*0*	*0*	*0*	*0*	*201,600*
Trade-in Value				*0*	*0*	*5,000*	*0*	*6,000*	*10,000*					*21,000*
Total Item F Less Trade-ins		0	0	*0*	*0*	*35,000*	*0*	*65,200*	*80,400*	*0*	0	0	0	*180,600*

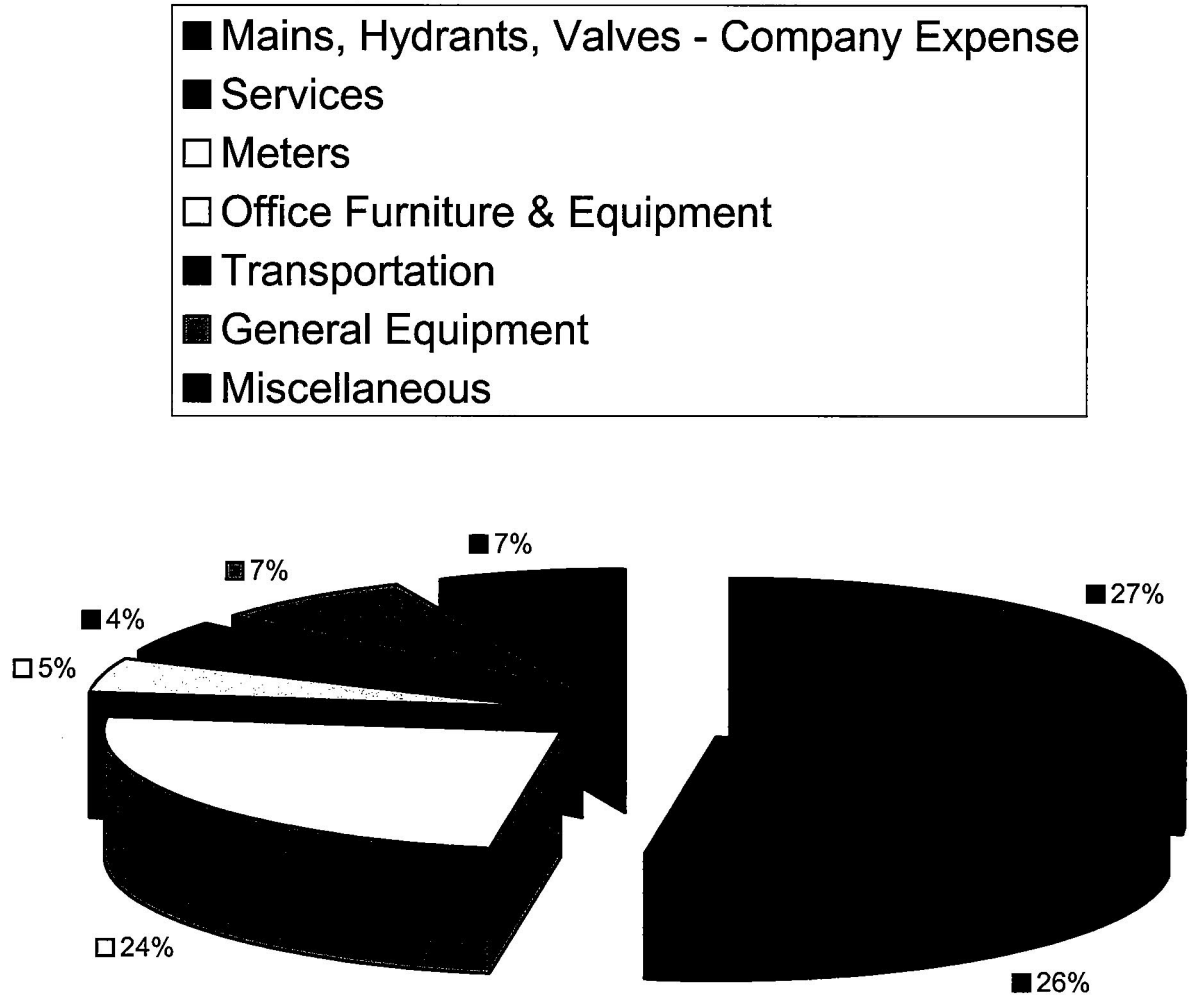
ITEM G - GENERAL EQUIPMENT
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Distribution														
1. Purchase Five (5) Electric Pumps	394				5,000									5,000
2. Replace Two (2) Box Locators	394				2,000									2,000
3. Replace Three (3) Trash Pumps	394				3,900									3,900
4. Replace Three (3) Cut-off Saws	394				3,000									3,000
5. Replace C2000 Correlator	396								44,000					44,000
6. Purchase Two (2) FCS3 Transducer/Cable	398					4,000								4,000
7. Purchase One (1) S-20 Leak Surveyor	398					6,000								6,000
8. Purchase One (1) Magno-Trak 100 Locator	398					1,200								1,200
9. Purchase RD-500 Pipeline Locator	398						7,700							7,700
10. Purchase Five (5) Sets of Pipe Cutters	394			6,400										6,400
11. Purchase Four (4) 7W Pipe Locators	398				5,000									5,000
Production														
1. Replace Hume Road Tank Altitude Valve	398			20,000										20,000
Water Quality														
1. Replace UV Sterilizer for RRS	395	2,000												2,000
2. Replace Small Water Bath for RRS	395									2,500				2,500
3. Replace Stir/hot Plates for RRS	395						2,500							2,500
4. Purchase WQ Meter for Field Monitoring	395			5,000										5,000
5. Replace Particle Counting System at RRS	395							35,000	35,000					70,000
6. Replace Particle Counting System at KRS	395									25,000	29,000			54,000
7. Replace TOC Analyzer	395						25,000	25,000						50,000
8. Purchase Refrigeratorsat KRS and RRS	395	14,000												14,000
9. Replace KRS Lab Microscope	395		2,000											2,000
Total Investment		16,000	2,000	31,400	18,900	11,200	35,200	60,000	79,000	27,500	29,000	0	0	310,200
Less Item G Trade-in Values														0
Total Investment Item G		16,000	2,000	31,400	18,900	11,200	35,200	60,000	79,000	27,500	29,000	0	0	310,200

ITEM H - MISCELLANEOUS
2000 INVESTMENT PLAN

Item	Acct	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Production														
1. Intake Pump Modifications					*40,000*						*40,000*			*80,000*
2. Replace Chemical Feed Pump at RRS	332						*16,000*							*16,000*
3. Replace Roof at Jacobson Reservior Pump Statian	321				*8,000*									*8,000*
4. Replace Hydrotreater Drives at KRS	332									*25,000*				*25,000*
5. Replace High Service Room Ventilators at KRS	331					*20,000*								*20,000*
6. Install Pressure Relief System at Jacobson	321		*25,000*											*25,000*
7. Replace Tank level transmitters	321					*15,000*								*15,000*
8. Install air vent at Clays Mill Booster	341						*4,000*							*4,000*
9. Purchase and Install Intake Motor	341						*30,000*	*30,000*	*15,000*	*10,000*				*85,000*
Water Quality														
1. Distribution Sampling Stations	395				*7,000*									*7,000*
Total Budget		*0*	*25,000*	*0*	*55,000*	*35,000*	*50,000*	*30,000*	*15,000*	*35,000*	*40,000*	*0*	*0*	*285,000*

2000 Expenditures - Routine Items



KENTUCKY-AMERICANWATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item A
Mains and Hydrants - Deposit Agreements

2000 Budget Request	$4,250,000
1999 Budget	$2,800,000
1998 Actual	$3,031,296
1997 Actual	$2,491,168
Strategic Business Plan	$2,884,000

This estimate was calculated through discussions with a number of representatives of the home builders; industry, various land developers and obtaining those preliminary plats that were available.

Following the recent trend, we expect this investment level to continue to increase due to growth in Central Kentucky. The 1999 budget amount has been exceeded and is forecasted to be approximately $5,000,000. Therefore, we are increasing the FY2000 budget above the Strategic Business Plan. Based on the installed costs of the various sizes of pipe installed during 1999, the following are estimated costs for FY2000.

SUBDIVISION	PIPE (Feet)					ESTIMATED COST
FY2000 Subdivisions	12-Inch	8-Inch	6-Inch	4-Inch	3-Inch	
	20,000	150,000	5,000	5,000	15,000	
	TOTAL PIPE					$4,000,000
	MISC FIRE SERVICES					$180,000
	HYDRANTS					$20,000
	ITEM B REIMBURSABLE PROJECTS					$50,000
	TOTAL ITEM A					$4,250,000

KENTUCKY-AMERICAN WATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item B
Mains & Hydrants, New & Replacement

2000 Budget Request	$1,139,500
1999 Budget	$1,225,000
1998 Actual	$1,040,747
1997 Actual	$751,110
Strategic Business Plan	$1,261,750

1A. Company's Portion of Investment.....$200,000

Rule 26 of the Company's Rules and Regulations as filed with Kentucky Public Service Commission provides for developers to make deposits based on the average installed per foot cost of the applicable size from the previous year. We are projecting that 2000 costs will be slightly higher than 1998 average installed costs.

1B. Company Expense for Increasing Size of Mains $00,000

KAWC will pay the additional cost of installing mains larger than 8-inch in accordance with the Rules and Regulations. Our estimated cost for 2000 will be based on $30.29 per foot installed.

The difference in cost between the $30.29 projected cost and the $19.99 per foot that the developer will deposit will be $10.30 per foot as KAWC's portion for upsizing mains to 12-inch. We are projecting 6,000 feet of 12-inch main to be installed during 2000 that will need to be upsized.

2A. Installation of Fire Hydrants in New Subdivisions.....$200,000

Preliminary investigations of the 2000 Investment Budget estimates that 100 new fire hydrants will be required. The estimated cost for installation of a fire hydrant during FY 2000 is $2,000.

2B. Hydrants to be Requested by Lexington Fire Department on Existing Mains $60,000

Each year the Lexington Fire Department requests additional fire hydrants installed on existing mains due to zone changes and to upgrade fire protection in outlying areas. After discussions with fire department personnel, 20 such fire hydrant requests are projected. The average estimated cost for installation of a fire hydrant on an existing main is $3,000.

Replacements and reinforcements include 11 specific items, as shown on the attached Form E. Also attached are drawings for those items where appropriate.

3. Relocations, Replacements and Improvements by KAWC $50,000

Each year KAWC receives requests from state and local governments to relocate our facilities due to storm and/or sanitary sewer improvements, bridge relocations or roadway work. In order to avoid conflicts, our facilities must be relocated. Also, each year we are also required to replace broken valves, replace damaged fire hydrants and repair main breaks which require full joints of pipe or more to repair. Since all of these projects are small in nature, we have combined these into one item. These projects are less than $10,000 in cost each. There are no known projects planned in this specific category at this time. Budget amounts used in establishing this total include $15,000 for relocation requests by the Lexington-Fayette Urban County Government (LFUCG), $15,000 for relocation requests by the Kentucky Transportation Cabinet (KTC) and $20,000 for miscellaneous valve and hydrant replacement and main repair.

4. Miscellaneous Capitalized Main Breaks $50,000

Each year there are main breaks that are of sufficient size to justify individual work orders be written. Funds are being requested to allow for these expenditures. This is estimated based on previous years' needs.

5. Replace Main Along Reynolds Road $36,000

The City continues to develop the former R. J. Reynolds property. The existing railroad underpass is too narrow and must be widened. Slated for construction during the City's 2001 Fiscal Year, our design work will occur in 2000, with construction occurring late fall and into the spring of 2001. (September to December)

6. Install 8-Inch D.I. Along East Short Street $30,000

LFUCG is constructing a new courthouse complex, which includes reconstructing East Short Street from Martin Luther King to North Limestone. The existing 4- and 6-inch mains, installed in 1910 and 1913 respectively, will not provide the anticipated fire flows. The existing main will be replaced by an 8-inch D.I. main. (June-September)

7. Replace Main Along North Limestone $80,000

LFUCG is widening North Limestone from Vine to Barr. While grade conflicts are not anticipated, we wish to take the opportunity to replace the existing main. The existing main, installed in 1885, will be replaced with an 8-inch main or larger. (April-September)

8. Replace Main Along Granard Avenue $25,000

This project is proposed to eliminate a dead-end line and improve flows in the Headley Avenue area. The existing main is cast iron installed in 1938. It will be replaced with 570 feet of 8-inch ductile iron to improve fire flows and provide the opportunity of a fire hydrant. (June-August)

9. Replace Main Along Morrison Avenue $25,000

This project is proposed to eliminate a dead-end line and improve flows in the Headley Avenue area. The existing main is unlined cast iron installed in 1940. It will be replaced with 550 feet of 8-inch ductile iron to improve fire flows and provide the opportunity of a fire hydrant. (June-August)

10. Replace Main on Davidson Court $20,000

The Water Quality department receives an increasing number of discolored water calls from customers along this road. The existing main is unlined cast iron installed in 1914. It will be replaced with 400 feet of 8-inch ductile iron to improve fire flows and for improved water quality. (April-June)

11. Replace Main Along East High Street $5,000

LFUCG is improving drainage along East High Street in the area of Stone Avenue and Hagerman Court. The main was installed in 1906 and needs to be relocated to avoid conflicts with the proposed storm lines. (June-August)

12. Replace Main Along Victory Avenue $85,000

This project is proposed to improve fire flows and water quality to this street. The existing 4-inch is cast iron and was installed from 1920 to 1936. The 6-inch was installed in 1974. All will be replaced with 1,550 feet of 8-inch ductile iron. (July-December)

13. Replace Main in Chestnut Avenue.....$30,000

LFUCG proposes an additional phase of an urban renewal project to correct drainage, improve roads and replace sidewalks. The main was installed in 1892 and must be relocated to avoid conflicts based on preliminary realignment plans provided by the City. (January-July)

14. Replace Main Along Rosemont Gardens from Limestone to the Norfolk Southern Railroad Tracks.....$95,000

LFUCG is improving drainage along this portion of Rosemont Gardens. Due to the lack of slope and concerns with ponding water, conflicts with both mains will occur. The 8-inch main installed in 1950 conveys most of the flow, while water service is provided from the 1930 vintage 4-inch. The existing 4-inch A.C. main can be removed without impacting flows. A new 8-inch main will replace both mains. (March-September)

15. Replace Main Along Old Frankfort Pike $38,500

The Kentucky Transportation Cabinet proposes to upgrade a deteriorating bridge over Town Branch. This project will allow heavy truck traffic to pass when Main Street is closed for another bridge replacement project. (January-June)

KENTUCKY-AMERICAN WATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item C
Services

2000 Budget Request	$1,095,000
1999 Budget	$1,011,000
1998 Actual	$1,143,942
1997 Actual	$1,031,176
Strategic Business Plan	$1,041,330

After reviewing preliminary plats available, consulting with developers, homebuilders, engineering firms, and reviewing current available building lots, forecast of services was developed. The following is a summary of services for 2000:

Install	190	3/4-Inch Services	@	$ 300	=	$ 57,000
Renew	135	3/4-Inch Services	@	$1,000	=	$ 135,000
Extend	12	3/4-Inch Services	@	$ 500	=	$ 6,000
Install	1750	1-Inch Services	@	$ 400	=	$ 700,000
Renew	120	1-Inch Services	@	$ 950	=	$ 114,000
Extend	30	1-Inch Services	@	$ 500	=	$ 15,000
Install	59	2-Inch Services	@	$ 800	=	$ 47,200
Renew	12	2-Inch Services	@	$ 900	=	$ 10,800
Extend	2	2-Inch Services	@	$ 450	=	$ 900
Install	3	Domestic Larger Than 2-Inch	@	$3,000	=	$ 9,100
						$1,095,000

KENTUCKY-AMERICANWATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item D
Meters & Installations

2000 Budget Request	$1,035,000
1999 Budget	$1,200,000
1998 Actual	$805,630
1997 Actual	$906,015
Strategic Business Plan	$1,236,000

The Company is projecting similar levels of expenditures for meters and installations for FY2000 as experienced in FY1999. This includes approximately 2,600 new customers, 3,500 replacements for defective meters and routine replacements. A detail summary is presented in the investment schedules.

KENTUCKY-AMERICAN WATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item E
Office Furniture and Equipment

2000 Budget Request	$206,200
1999 Budget	$500,930
1998 Actual	$525,100
1997Actual	$204,507
Five Year Plan	$515,958

ADMINISTRATIVE

1. Purchase Four (4) CD Rom Self-Assessment Training Modules.....$4,000

   These modules will assist in the development of our associates in conjunction with the LEAD program. This training material will fit well with the developmental plan now in place and should reduce some of the costs associated with off-site seminars. (January)

COMMERCIAL

1. Install Two (2) Additional CSR Home Connections.....$15,000

   The additional home connection will be added as the one installed for the trial in 1999. The three connections installed in 1999 increased our productivity in answering customer calls. (January)

2. Purchase Additional Capabilities for the Telephone System.....$10,000

   Purchase additional cards for telephone, fax machine, modem expansion of our existing telephone system. (February)

INFORMATION SERVICES

1. Purchase 5 Personal Computers.....$0,000

   These computers will replace the existing 166-200 mhz machines and increase speed and improve connectivity. (April)

2. Install Remote ADSL Connectivity Hardware.....$10,000

   Improvements in communications equipment will allow enhancements to the connectivity at the KRS and RRS. (July)

3. Upgrade Bay Network Router Hardware $20,000

   This router is the backbone of our LAN and WAN with corporate office. Improvements to connectivity methods will require this router to be upgraded to the latest technology. (June)

4. Purchase Four (4) Laser Jet Printers $6,000

   These printers will replace existing printers that are approximately eight years old. (March - $3,000/July - $3,000)

5. Install Communication Server $20,000

   This server will provide access for remote connectivity, including the Internet, and will reduce demand on current network servers. (September)

DISTRIBUTION

1. Purchase Laser Printer $3,000

   This printer will be used by the Dispatcher/Clerk. (February)

2. Purchase Two Laptop Computers $8,500

   This is additional equipment that will be used by the Distribution department personnel to retrieve data from the AutoCAD system. Through AutoCAD, MapSync can be used to review area maps of the distribution system and pull up valve and fire hydrant data. All of this data is required in the daily operation of the distribution system. (April)

3. Purchase Software $2,500

   Software for the retrieval of data from the AutoCAD system will be purchased for the Distribution department. This software will allow the review of area maps of the distribution system and will pull up valve and fire hydrant data. (April)

ENGINEERING

1. Replace CADD Plotter $10,000

   The current plotter is approximately six years old and approaching the end of its useful life. Due to additional plotting requirements for presentations and special projects, a new plotter with current technology is required. (March)

2. Upgrade CADD/Database Integration $85,000

   As current CADD and GIS technologies merge, database information is the most important link to use this technology. This project will continue the work started several years ago to update paper forms to database software. (March – December)

WATER QUALITY

1. Replace Laboratory Tables at KRS $2,200

   The existing tables have been in service since 1987 and are at the end of their useful life and need extensive repairs. (May)

KENTUCKY-AMERICANWATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item F
Transportation Equipment

2000 Budget Request	$180,600
1999 Budget	293,100
1998 Actual	331,574
1997 Actual	342,336
Five-Year Plan	$301,893

DISTRIBUTION

1. Replace 1992 Ford F-350 Truck, Unit 26 .....$45,200

   This vehicle is used as a utility truck daily by the Distribution department. At the time of replacement, it will have been driven in excess of 78,000 miles. The maintenance costs estimated for 1999 are $1,800. The estimated trade-in value is $5,000. It will be replaced with a similar unit. (August)

2. Replace 1995 Chevy C-3500 Truck, Unit 52 .....$45,200

   This vehicle is used as a utility truck daily by the Distribution department. At the time of replacement, it will have been driven in excess of 60,000 miles. The maintenance costs estimated for 1999 are $1,800. The estimated trade-in value is $5,000. It will be replaced with a similar unit. (August)

3. Replace 1995 Ford Ranger Pickup, Unit 47 .....$22,500

   This vehicle is used as a utility on/off truck daily by the Distribution department. At the time of replacement, it will have been driven in excess of 85,000 miles. The estimated trade-in value is $2,000. It will be replaced with a similar unit. (July)

4. Replace 1995 Ford Ranger Pickup, Unit 49 .....$22,500

   This vehicle is used as a utility on/off truck daily by the Distribution department. At the time of replacement, it will have been driven in excess of 88,000 miles. The estimated trade-in value is $2,000. It will be replaced with a similar unit. (July)

5. Replace 1994 Jeep Cherokee, Unit 31.....$20,000

   This vehicle is used by a Distribution Supervisor and will have 95,000 miles and requires major work on the front-end suspension and engine. The vehicle will be replaced with a two-wheel drive pickup truck. The estimated trade-in value is $2,500. (May)

ENGINEERING

1. Replace 1991 GMC Jimmy 4x4, Unit 151.....$20,000

This vehicle is used by the Operations Engineer. The vehicle will have nearly 90,000 miles and requires major transmission work. This vehicle will be replaced with a two-wheel drive pickup truck. The estimated trade-in value is $2,500. (May)

PRODUCTION

1. Replace 1992 Ford F-150, Unit 23.....$26,200

This truck is utilized daily by the Production department to maintain remote tank and pump station sites. The vehicle will have over 75,000 miles on it and needs replacing. The vehicle is undersized and will be replaced by a %-ton model. The estimated trade-in value is $2,000. (July)

KENTUCKY-AMERICAN WATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item G
General Equipment

2000 Investment Request	$310,200
1999 Investment Plan	$241,404
1998 Actual	$284,302
1997 Actual	$224,491
Five Year Plan	$248,646

DISTRIBUTION

1. Purchase Five (5) Electric Pumps.....$5,000

   These electric pumps are used daily by the Distribution department in the repair of mains, services, etc. These pumps are used continuously and are replaced on a periodic basis to ensure that good working equipment is available for the Distribution department crews. (April)

2. Replace Two Box Locators.....$2,000

   These locators will be purchased to replace similar units that have been retired. (April)

3. Replace Three (3) Trash Pumps.....$3,900

   These trash pumps are used daily by the Distribution department in the repair of mains, crews, etc. These pumps are used continuously and are replaced on a periodic basis to ensure that good working equipment is available for the Distribution department crews. (April)

4. Replace Three (3) Cut-Off Saws.....$3,000

   These saws will replaces ones that are used daily by the Distribution department crews to cut pipe, concrete and asphalt. These saws are in continuous use and repairs are not economical. (April)

5. Replace C2000 Correlator.....$44,000

   The C2000 unit was purchased in 1986 and is 13 years old. The manufacturer (FCS) is finding that replacement parts and older electronic components are becoming increasingly difficult to find and expensive when available. Keeping this equipment in operating order in the future will be impossible. The upgrade equipment will be compatible with all existing leak detection equipment. (August)

6. Purchase Two (2) FCS3 Transducer/Cable Assembly.....$4,000

These units will replace existing units which have been used to detect hidden leaks since 1989. These units are loosing their ability to amplify leak sound. (May)

7. Purchase One (1) S-20 Leak Surveyor.....$6,000

This unit will replace a L-100 Leak Sureyor which has been used since 1986. The L-100 is in need of repair and repair parts are not available. (May)

8. Purchase One (1) Magno-Trak 100, Magnetic Locator $1,200

This metal detector will be used by the leak survey team to locate valve boxes and meter box tops. It will replace an existing unit which is worn out and beyond economical repair. (May)

9. Purchase RD-500 Pipeline Locator $7,700

This unit will replace an existing unit that is worn out and beyond economical repair. (June)

10. Purchase Five (5) Sets of Pipe Cutters $6,400

The new cutters will replace existing units that were purchased in 1989. These cutters are required for the cutting of cast iron and ductile iron mains to make repairs. (March)

11. Purchase Four (4) 7W Pipe Locators $5,000

These locators will be additional equipment and will be used by Distribution standby personnel to perform emergency locations during non-business hours. (April)

PRODUCTION

1. Replace Hume Road Storage Tank Altitude Valve $20,000

The altitude valve of Hume Road storage tank has been in service since 1987 and has deteriorated severely due to the effects of cavitation. The proposed replacement valve will be ordered with anti-cavitation features built into it by the manufacturer. (March)

WATER QUALITY

1. UV Sterilizer.....$2,000

The current unit is in constant use in the microbiological analysis of the produced and distributed water. Reliable operation is, therefore, crucial to maintaining high water quality standards and regulatory compliance. (January)

2. Small Water Bath for RRS $2,500

The current water bath will need replacing due to constant use in the compliance microbiological program. (September)

3. Stir/Hot Plates for RRS $2,500

Stir and hot plates are necessary to prepare samples for compliance analyses. Those in use at the RRS are failing and require replacement. (June)

4. WQ Meter for Distribution Monitoring $5,000

This unit will provide on-site analysis of distribution sites, reducing the travel and setup times for traditional laboratory procedures and supplying immediate results for prompt reactions. (March)

5. Particle Counting System RRS $70,000

This particle counting system will monitor and track particle counts on RRS raw, settled and individual filtered waters as well as measuring removal efficiencies. This will enable further process optimization as new Cryptosporidium-related regulation become effective. (July-August)

6. Particle Counting System KRS $54,000

This particle counting system will monitor and track particle counts on KRS raw, settled and individual filtered waters as well as measuring particle removal efficiencies. This will enable further process optimization as new Cryptosporidium-related regulations become effective. (September-October)

7. Replace Total Organic Carbon (TOC) Analyzer.....$50,000

The current TOC analyzer is older technology than that available today and is subject to inherent analytical error which makes readings higher by about 0.5 mg/L. This can amount to a 25% increase in apparent TOC readings which is very significant to our potential to qualify for exceptions and to meet TOC removal requirements under new regulations. (June-July)

8. Purchase Refrigerators for RRS and KRS $14,000

Due to an increase in required types and frequencies of water quality sampling, the current refrigerators are too small. These new units will provide adequate storage for all samples into the foreseeable future. (January)

9. Purchase Microscope.....$2,000

The current microscopes are not adequate for current water quality testing. This new microscope, a 10x through 100x phased contrast, oil immersion unit, will be used for source water algal speciation, wastewater treatment process optimization and customer samples. (February)

KENTUCKY-AMERICAN WATER COMPANY
2000 INVESTMENT PLAN DETAIL

Item H
Miscellaneous

2000 Investment Request	$285,000
1999 Investment Plan	$287,000
1998 Actual	$187,976
1997 Actual	$201,060
Five Year Plan	$295,610

PRODUCTION

1. Intake Pump Modifications.....$80,000

   Modifications to the intake pumps are necessary due to problems with the bowl and shaft assemblies. The manufacturer is not charging for the modifications, but KAWC must pull the assemblies and ship them to the manufacturer. (April & October)

2. Replace Chemical Feed Pump Variable Speed Drive, RRS.....$16,000

   The existing variable speed drives installed on the fluoride, zinc orthophosphate and ferric chemical feed pumps at the RRS require replacement. When a power interruption is encountered, the drives must be reprogrammed before they can be operated. These drives will not ride through a power fluctuation and must be manually restarted, which can cause treatment problems. The proposed variable speed drives will ride-thru power fluctuation and do not have to be reprogrammed after a power interruption. (June)

3. Replace Roof at Jacobson Reservoir Pump Station..... $8,000

   The existing roof was installed in June of 1983 under Work Order No. A5202.0. Due to the age of asphalt shingles the roof is showing some signs of deterioration. A few small stains on the interior of the roof indicate the roof is starting to leak. For protection of the pumps and electrical equipment, this roof will be replaced. (April)

4. Replace Hydrotreator Variable Speed Drives, KRS.....$25,000

   The existing hydrotreator variable speed drives have been in service over 10 years and are obsolete. Repair of these drives is more costly than replacement. To ensure continued reliable service from the hydrotreator drive units and a continuous treatment process, these variable speed drives need to be replaced. (September)

5. Replace High Service Room Ventilators, KRS.....$20,000

The rooftop ventilators at the KRS remove high temperature air from the high service room in an effort to maintain an acceptable atmosphere for equipment and operating personnel. Two of these units have deteriorated to the point that they require replacement. Excessive temperatures will quickly deteriorate electrical motor insulation life, ½ life for each 10°C above rated temperature. The average cost of a motor rewind for one of these motors is approximately $15,000. There are six motors: 3-700, 2-800 and 1-900 horsepower motors in the operating area these ventilators service. (May)

6. Install Pressure Relief System @ Jacobson Reservoir.....$25,000

This work order is to replace the existing rupture disk pressure relief system at Jacobson Reservoir with a Ross automatic pressure relief valve and housing. (February)

7. Replace Storage Tank Level Transmitters..... $15,000

The existing tank level transmitters at Cox Ground, Mercer Road, York Street, Sadieville and Muddy Ford storage tanks cannot be accurately calibrated. These transmitters measure the amount of water in storage at their respective storage tank locations. To ensure accurate water storage information and reduce the risk of tank overflows, these transmitters must be replaced. (May)

8. Install Air Inlet Louvers for Diesel Enclosures @ Clays Mill..... $4,000
Booster and Tank Site

When there is a power outage at the site, the louvers will stay closed until the diesel has started and warmed up. Then the louvers will open to allow proper air flow to keep the diesel at proper operating temperature.

The louvers will help keep the diesel warm while it is not operating and save energy that is used now trying to keep it warm. (June)

9. Purchase and Install Intake Pump Motor $85,000

The intake structure at the KRS has six electric driven 12.5 MGD pumps that were installed in 1992. The units are driven by 1250 HP electric motors. These motors have been in service now for eight years. We have not been able to take any of these motors out of service for preventive maintenance. In July of 1999 one of the motors' (Unit No. 4) electrical core short circuited and severe damage was done to the electrical windings. This has now taken four months to get the necessary repairs. The new motor being purchased will allow us to set up a PM program of taking two motors out of service each year for maintenance, hopefully avoiding unscheduled down time. (June-September)

WATER QUALITY

1. Distribution Sampling Stations.....$7,000

As KAWC expands into more rural areas, adequate bacteriological sample points are difficult to locate. Sampling stations provide a clean, easily accessible means of collecting compliance samples. (April)