

## Hopkinsville

	06 Western State Hospital	14 5/8" 4 Dials	15 5/8" 5 Dials	25 3/4" 5 Dials	26 3/4" 6 Dials	35 1" 5 Dials	36 1" 6 Dials	46 1 1/2" 6 Dials	56 2" 6 Dials	66 3" 6 Dials	76 4" 6 Dials	86 6" 6 Dials	87 6" 7 Dials	99 Gratis	Total
<b>Consumption - cubic feet</b>															
0 - 100		97,110	513,410	1,340		7,430	3,370	1,550	1,860	20				820	626,910
101 - 200		432,490	1,800,660	2,060		24,300	13,250	5,770	3,460	170				420	2,282,580
201 - 300		921,210	3,527,840	4,650		30,310	18,890	5,630	5,920	750				1,490	4,516,690
301 - 400		1,288,940	5,074,490	5,200	330	37,390	35,350	5,360	12,640	780	3,210			730	6,464,420
401 - 500		1,597,350	6,342,330	3,650		25,430	28,940	5,260	13,170	420	860			1,340	8,018,750
501 - 600		1,618,730	6,951,580	5,510		33,680	29,480	4,950	20,880	1,070				2,760	8,668,640
700 - 1,200		5,862,900	29,800,540	50,330	1,710	192,210	216,720	84,970	132,300	15,560	720			23,430	36,381,390
1,300 - 2,000		1,495,460	9,123,450	62,870	18,790	190,220	288,250	179,610	221,720	2,980				21,690	11,605,040
2,100 - 3,000		535,190	2,693,300	64,810		245,360	344,740	299,330	362,600	5,400				15,680	4,566,410
3,100 - 3,600		124,680	896,220	29,540		148,310	160,580	122,110	215,860	6,960				6,420	1,710,680
3,700 - 6,000		281,310	1,946,840	60,010		600,230	827,600	634,160	688,520	30,630	42,740			7,740	5,119,780
6,100 - 23,600		190,120	2,107,010	46,340		1,625,600	827,570	2,955,040	7,200,190	850,080	468,040	7,900		147,580	16,425,470
Over 23,600	3,156,650		274,850			1,138,710	1,101,620	1,466,920	24,534,730	5,509,760	9,924,730	16,151,960	1,096,390	18,415,420	82,771,740
	3,156,650	14,445,490	71,052,520	336,310	20,830	4,299,180	3,896,360	5,770,660	33,413,850	6,424,580	10,440,300	16,159,860	1,096,390	18,645,520	189,158,500
<b>Number of Bills</b>															
0 - 100		2,482	17,479	111	9	382	192	84	165	6		11		418	21,339
101 - 200		2,726	11,459	13		154	88	41	23	1				3	14,508
201 - 300		3,594	13,787	18		117	75	23	22	3				6	17,645
301 - 400		3,636	14,292	15	1	108	100	15	36	2	9			2	18,216
401 - 500		3,525	13,957	8		56	63	12	29	1	2			3	17,656
501 - 600		2,924	12,558	10		61	53	9	38	2				5	15,660
700 - 1,200		7,208	36,104	58	2	216	256	92	155	17	1			29	44,138
1,300 - 2,000		1,026	6,249	40	12	125	172	114	138	2				14	7,892
2,100 - 3,000		221	1,129	25		101	142	122	144	2				6	1,892
3,100 - 3,600		38	275	9		45	48	37	66	2				2	522
3,700 - 6,000		64	430	12		125	177	138	144	6				2	1,107
6,100 - 23,600		25	210	5		166	87	236	550	57	32	1		11	1,380
Over 23,600	12		7			28	26	38	413	97	127	48	12	76	884
	12	27,469	127,936	324	24	1,684	1,479	961	1,923	198	180	60	12	577	162,839
<b>Consumption per Bill - cubic feet</b>															
0 - 100	0	39	29	12	0	19	18	18	11	3	0	0	0	2	29
101 - 200	0	159	157	158	0	158	151	141	150	170	0	0	0	140	157
201 - 300	0	256	256	258	0	259	252	245	269	250	0	0	0	248	256
301 - 400	0	354	355	347	330	346	354	357	351	390	357	0	0	365	355
401 - 500	0	453	454	456	0	454	459	438	454	420	430	0	0	447	454
501 - 600	0	554	554	551	0	552	556	550	549	535	0	0	0	552	554
700 - 1,200	0	813	825	868	855	890	847	924	854	915	720	0	0	808	824
1,300 - 2,000	0	1,458	1,460	1,572	1,566	1,522	1,676	1,576	1,607	1,490	0	0	0	1,549	1,470
2,100 - 3,000	0	2,422	2,386	2,592	0	2,429	2,428	2,454	2,518	2,700	0	0	0	2,613	2,414
3,100 - 3,600	0	3,281	3,259	3,282	0	3,296	3,345	3,300	3,271	3,480	0	0	0	3,210	3,277
3,700 - 6,000	0	4,395	4,528	5,001	0	4,802	4,676	4,595	4,781	5,105	4,749	0	0	3,870	4,625
6,100 - 23,600	0	7,605	10,033	9,268	0	9,793	9,512	12,521	13,091	14,914	14,626	7,900	0	13,416	11,903
Over 23,600	263,054	0	39,264	0	0	40,668	42,370	38,603	59,406	56,802	78,147	336,499	91,366	242,308	93,633

## 2004 Summary of Monthly Water Usage by Meter Size for Hopkinsville

Monthly Usage Block	Total Usage								Total
	5/8"	3/4"	1	1 1/2"	2	3	4	6	
Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf
1	6,105	13	108	16	19	0	0	0	6,261
2	22,332	21	376	58	35	2	0	0	22,822
3	<b>44,491</b>	47	492	56	59	8	0	0	45,152
4	63,634	<b>55</b>	727	54	126	8	32	0	64,637
5	79,397	37	544	53	132	4	9	0	80,174
6	85,703	55	<b>632</b>	50	209	11	0	0	86,659
12	356,634	520	4,089	<b>850</b>	1,323	156	7	0	363,580
20	106,189	817	4,785	1,796	<b>2,217</b>	30	0	0	115,834
30	32,285	648	5,901	2,993	3,626	54	0	0	45,507
36	10,209	295	3,089	1,221	2,159	<b>70</b>	0	0	17,043
60	22,282	600	14,278	6,342	6,885	306	<b>427</b>	0	51,120
236	22,971	463	24,532	29,550	72,002	8,501	4,680	<b>79</b>	162,779
Over 236	2,749	0	22,403	14,669	245,347	55,098	99,247	172,484	611,997
	<u>854,980</u>	<u>3,571</u>	<u>81,955</u>	<u>57,707</u>	<u>334,139</u>	<u>64,246</u>	<u>104,403</u>	<u>172,563</u>	<u>1,673,563</u>

## 2004 Summary of Monthly Water Usage by Meter Size for Hopkinsville

Monthly Usage Block	Usage Not Included in Minimum								Total
	5/8"	3/4"	1	1 1/2"	2	3	4	6	
Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf
1									0
2									0
3									0
4	63,634								63,634
5	79,397	37							79,433
6	85,703	55							85,758
12	356,634	520	4,089						361,244
20	106,189	817	4,785	1,796					113,587
30	32,285	648	5,901	2,993	3,626				45,453
36	10,209	295	3,089	1,221	2,159				16,973
60	22,282	600	14,278	6,342	6,885	306			50,693
236	22,971	463	24,532	29,550	72,002	8,501	4,680		162,700
Over 236	2,749	0	22,403	14,669	245,347	55,098	99,247	172,484	611,997
	<u>782,053</u>	<u>3,436</u>	<u>79,077</u>	<u>56,572</u>	<u>330,019</u>	<u>63,905</u>	<u>103,928</u>	<u>172,484</u>	<u>1,591,472</u>

## 2004 Summary of Monthly Bills by Meter Size for Hopkinsville

Monthly Usage Block	Total Bills								Total
	5/8"	3/4"	1	1 1/2"	2	3	4	6	
Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf
1	19,961	120	574	84	165	6	0	11	20,921
2	14,185	13	242	41	23	1	0	0	14,505
3	<b>17,381</b>	18	192	23	22	3	0	0	17,639
4	17,928	<b>16</b>	208	15	36	2	9	0	18,214
5	17,482	8	119	12	29	1	2	0	17,653
6	15,482	10	<b>114</b>	9	38	2	0	0	15,655
12	43,312	60	472	<b>92</b>	155	17	1	0	44,109
20	7,275	52	297	114	<b>138</b>	2	0	0	7,878
30	1,350	25	243	122	144	2	0	0	1,886
36	313	9	93	37	66	<b>2</b>	0	0	520
60	494	12	302	138	144	6	<b>9</b>	0	1,105
236	235	5	253	236	550	57	32	1	1,369
Over 236	7	0	54	38	413	97	127	60	796
	<u>155,405</u>	<u>348</u>	<u>3,163</u>	<u>961</u>	<u>1,923</u>	<u>198</u>	<u>180</u>	<u>72</u>	<u>162,250</u>
Number of Minimum Bills	51,527	167	1,449	276	606	38	21	12	54,096

## 2004 Summary of Monthly Bills by Meter Size for Hopkinsville

Monthly Usage Block	Total Bills Not Included in Minimum								Total
	5/8"	3/4"	1	1 1/2"	2	3	4	6	
Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf	Ccf
1									0
2									0
3									0
4	17,928								17,928
5	17,482	8							17,490
6	15,482	10							15,492
12	43,312	60	472						43,844
20	7,275	52	297	114					7,738
30	1,350	25	243	122	144				1,884
36	313	9	93	37	66				518
60	494	12	302	138	144	6			1,096
236	235	5	253	236	550	57	32		1,368
Over 236	7	0	54	38	413	97	127	60	796
	<u>103,878</u>	<u>181</u>	<u>1,714</u>	<u>685</u>	<u>1,317</u>	<u>160</u>	<u>159</u>	<u>60</u>	<u>108,154</u>

**Hopkinsville, All Meter Sizes**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Water Usage Block Ending Ccf	Number of Bills in Block	Cumulative Bills Through Block	Use of Bills stopping in Block Ccf	Cumulative Use of Bills Stopping in Block Ccf	Total Use of All Bills Passing Through Block (1) x next (3)	Cumulative Billed Usage (5) + (6)	Percent Cumulative Billed Usage % of (7)
1	0	108,154	0	0	108,154	108,154	6.8%
2	0	108,154	0	0	216,308	216,308	13.6%
3	0	108,154	0	0	324,462	324,462	20.4%
4	17,928	108,154	63,634	63,634	360,904	424,538	26.7%
5	17,490	90,226	79,433	143,068	363,680	506,748	31.8%
6	15,492	72,736	85,758	228,826	343,464	572,290	36.0%
12	43,844	57,244	361,244	590,070	160,800	750,870	47.2%
20	7,738	13,400	113,587	703,656	113,240	816,896	51.3%
<b>30</b>	<b>1,884</b>	<b>5,662</b>	<b>45,453</b>	<b>749,110</b>	<b>113,340</b>	<b>862,450</b>	<b>54.2%</b>
36	518	3,778	16,973	766,083	117,360	883,443	55.5%
<b>60</b>	<b>1,096</b>	<b>3,260</b>	<b>50,693</b>	<b>816,776</b>	<b>129,840</b>	<b>946,616</b>	<b>59.5%</b>
236	1,368	2,164	162,700	979,476	187,856	1,167,332	73.3%
Over 236	796	796	611,997	1,591,472		1,591,472	100.0%
First 30 Ccf							54.2%
Next 30 Ccf							5.3%
Over 60 Ccf							40.5%
Total							100.0%

	Pembroke			Total	Total Excluding Gratis
	01	07	99 Gratis		
<b>Consumption - cubic feet</b>					
0 - 100	5,770	9,070	40	14,880	14,840
101 - 200	21,130	28,250		49,380	49,380
201 - 300	34,380	47,890		82,270	82,270
400 - 2,000	793,110	672,170		1,465,280	1,465,280
2,100 - 4,000	97,780	72,740		170,520	170,520
4,100 - 7,000	58,080	77,920		136,000	136,000
7,100 - 10,000	9,620	118,660		128,280	128,280
Over 10,000	503,840	231,640		735,480	735,480
	<u>1,523,710</u>	<u>1,258,340</u>	<u>40</u>	<u>2,782,090</u>	<u>2,782,050</u>

<b>Number of Bills</b>					
0 - 100	167	218	17	402	385
101 - 200	140	174		314	314
201 - 300	133	189		322	322
400 - 2,000	1,157	1,023		2,180	2,180
2,100 - 4,000	35	25		60	60
4,100 - 7,000	11	13		24	24
7,100 - 10,000	1	15		16	16
Over 10,000	24	16		40	40
	<u>1,668</u>	<u>1,673</u>	<u>17</u>	<u>3,358</u>	<u>3,341</u>

<b>Consumption per Bill - cubic feet</b>					
0 - 100	35	42	2	37	39
101 - 200	151	162	0	157	157
201 - 300	258	253	0	255	255
400 - 2,000	685	657	0	672	672
2,100 - 4,000	2,794	2,910	0	2,842	2,842
4,100 - 7,000	5,280	5,994	0	5,667	5,667
7,100 - 10,000	9,620	7,911	0	8,018	8,018
Over 10,000	20,993	14,478	0	18,387	18,387

**Pembroke, All Meter Sizes**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Water Usage Block Ending Ccf	Number of Bills in Block	Cumulative Bills Through Block	Use of Bills stopping in Block Ccf	Cumulative Use of Bills Stopping in Block Ccf	Total Use of All Bills Passing Through Block (1) x next (3)	Cumulative Billed Usage (5) + (6)	Percent Cumulative Billed Usage % of (7)
1	385	3,341	148	148	2,956	3,104	11.2%
2	314	2,956	494	642	5,284	5,926	21.3%
3	322	2,642	823	1,465	6,960	8,425	30.3%
20	2,180	2,320	14,653	16,118	2,800	18,918	68.0%
40	60	140	1,705	17,823	3,200	21,023	75.6%
70	24	80	1,360	19,183	3,920	23,103	83.0%
100	16	56	1,283	20,466	4,000	24,466	87.9%
Over 100	40	40	7,355	27,821		27,821	100.0%
First 3 Ccf		(Cumulative percent at 3 Ccf)					30.3%
Next 17 Ccf		(Cumulative percent at 20 Ccf less cumulative percent at 3 Ccf)					37.7%
Next 20 Ccf		(Cumulative percent at 40 Ccf less cumulative percent at 20 Ccf)					7.6%
Next 30 Ccf		(Cumulative percent at 70 Ccf less cumulative percent at 40 Ccf)					7.5%
Next 30 Ccf		(Cumulative percent at 100 Ccf less cumulative percent at 70 Ccf)					4.9%
Over 100 Ccf		(100 percent less cumulative percent at 100 Ccf)					12.1%
Total							100.0%



**Crofton, All Meter Sizes**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Water Usage Block Ending <u>Ccf</u>	Number of Bills in Block <u></u>	Cumulative Bills Through Block <u></u>	Use of Bills stopping in Block <u>Ccf</u>	Cumulative Use of Bills Stopping in Block <u>Ccf</u>	Total Use of All Bills Passing Through Block <u>(1) x next (3)</u>	Cumulative Billed Usage <u>(5) + (6)</u>	Percent Cumulative Billed Usage <u>% of (7)</u>
3	2,343	6,946	3,677	3,677	13,809	17,486	38.3%
Over 3	4,603	4,603	41,920	45,597		45,597	100.0%
First 3 Ccf							38.3%
Over 3 Ccf							61.7%
Total							<u>100.0%</u>

	Crofton					Total	Total Excluding Gratis
	02	04	08	09	99 Gratis		
<b>Consumption - cubic feet</b>							
0 - 300	73,280	26,080	184,470	83,830	2,580	370,240	367,660
Over 300	620,760	612,670	1,303,510	1,655,070	141,820	4,333,830	4,192,010
	<u>694,040</u>	<u>638,750</u>	<u>1,487,980</u>	<u>1,738,900</u>	<u>144,400</u>	<u>4,704,070</u>	<u>4,559,670</u>
<b>Number of Bills</b>							
0 - 300	534	176	1,078	555	44	2,387	2,343
Over 300	872	479	1,625	1,627	21	4,624	4,603
	<u>1,406</u>	<u>655</u>	<u>2,703</u>	<u>2,182</u>	<u>65</u>	<u>7,011</u>	<u>6,946</u>
<b>Consumption per Bill - cubic feet</b>							
0 - 300	137	148	171	151	59	155	157
Over 300	712	1,279	802	1,017	6,753	937	911

Wholesale

99

**Consumption - cubic feet**

0 - 3,000	1,320
3,001 - 6,000	27,890
6,001 - 9,000	212,410
Over 9,000	<u>55,571,460</u>
	55,813,080

**Number of Bills**

0 - 3,000	2
3,001 - 6,000	5
6,001 - 9,000	29
Over 9,000	<u>106</u>
	142

**Consumption per Bill - cubic feet**

0 - 3,000	660
3,001 - 6,000	5,578
6,001 - 9,000	7,324
Over 9,000	524,259

**CCWD, All Meter Sizes**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Water Usage Block Ending	Number of Bills in Block	Cumulative Bills Through Block	Use of Bills stopping in Block	Cumulative Use of Bills Stopping in Block	Total Use of All Bills Passing Through Block	Cumulative Billed Usage	Percent Cumulative Billed Usage
Ccf			Ccf	Ccf	(1) x next (3)	(5) + (6)	% of (7)
30	2	142	13	13	4,200	4,213	15.1%
60	5	140	279	292	8,100	8,392	30.2%
90	29	135	2,124	2,416	9,540	11,956	43.0%
Over 90	106	106	555,715	558,131		558,131	2006.2%
First 30 Ccf		(Cumulative percent at 30 Ccf)					15.1%
Next 30 Ccf		(Cumulative percent at 60 Ccf less cumulative percent at 30 Ccf)					15.0%
Next 30 Ccf		(Cumulative percent at 90 Ccf less cumulative percent at 60 Ccf)					12.8%
Over 90 Ccf		(100 percent less cumulative percent at 90 Ccf)					57.0%
Total							100.0%

*Unreasonable, did not use*

Schedule of Revenues

*includes Wholesale*

	Residential	Commercial	Industrial	OM&G	Total
Hopkinsville Division					
FYE 6/30/00	\$1,474,699.58✓	\$651,812.34✓	\$508,980.40✓	\$717,741.18	\$3,353,233.50
FYE 6/30/01	\$1,466,536.33✓	\$687,449.94✓	\$499,735.74✓	\$778,068.19	\$3,431,790.20
FYE 6/30/02	\$1,440,227.11	\$701,220.31	\$453,932.73	\$839,951.64	\$3,435,331.79
FYE 6/30/03	\$1,466,637.80	\$741,853.59	\$449,956.10	\$802,556.31	\$3,461,003.80
FYE 6/30/04	\$1,470,075.64	\$751,568.83	\$432,295.58	\$809,663.73	\$3,463,603.78

Pembroke Division					
FYE 6/30/00	\$33,775.14✓	\$16,647.76✓		\$2,571.02✓	\$52,993.92
FYE 6/30/01	\$38,563.21✓	\$15,968.82✓		\$4,183.03✓	\$58,715.06
FYE 6/30/02	\$36,960.00✓	\$15,146.04✓		\$3,904.33✓	\$56,010.37
FYE 6/30/03	\$37,499.24✓	\$16,356.67✓		\$5,010.97✓	\$58,866.88
FYE 6/30/04	\$37,424.94✓	\$16,940.42✓		\$4,736.16	\$59,101.52

*less \$205,716 Wholesale*  
*less \$1,112,167 Wholesale*

Crofton Division					
FYE 6/30/00	N/A	N/A	N/A	N/A	N/A
FYE 6/30/01	\$103,200.34✓	\$18,101.29✓		\$2,390.71✓	\$123,692.34
FYE 6/30/02	\$110,925.25✓	\$20,077.27✓		\$2,770.57✓	\$133,773.09
FYE 6/30/03	\$112,801.52✓	\$20,462.44✓		\$3,249.26✓	\$136,513.22
FYE 6/30/04	\$120,082.60✓	\$25,678.66✓		\$2,237.78✓	\$147,999.04

Christian County Water District | Bill

Account #	FYE 6/30/00	FYE 6/30/01	FYE 6/30/02	FYE 6/30/03
Hopkinsville HWY 272 30-174-01 (21812-01)	\$119,494.44	\$129,375.36	\$134,669.64	\$165,163.98
Madisonville Rd. 33-286-03 (25525-03)	\$56,631.84	\$58,869.06	\$11,245.95	\$6,163.27
Blooming Grove Rd. 38-0037-06 (29864-06)	\$1,191.89	\$1,400.12	\$989.19	\$1,062.39
(Set 10/27/00) Dawson Rd Bypass 52-225-01 (12-7973-01)	\$0.00	\$53,036.64	\$151,665.54	\$206,218.67
Princeton Rd. 52-410-08 (42051-08)	\$126,529.02	\$69,900.53	\$45,283.85	\$46,226.83
Greenville Rd. 67-0247-02 (54679-02)	\$96,322.51	\$133,587.37	\$131,426.79	\$157,057.45
Lafayette Rd. 70-572-08 (56716-08)	\$37,817.72	\$41,952.61	\$50,440.92	\$60,209.27
Locust Grove Rd. 77-145-07 (61737-07)	\$609.12	\$609.12	\$670.44	\$1,252.09
415 + Pleasant View Sub. 77-148-01 (61754-01)	\$1,133.67	\$3,198.64	\$2,104.42	\$2,623.02
(Set 6/10/01) Millers Mill Rd. 77-622-01 (62876-01)	\$0.00	\$2.38	\$1,062.21	\$1,155.56
Pembroke Rd. - Casky Lane 78-205-07 (63786-07)	\$42,490.54	\$44,427.96	\$51,038.54	\$62,173.23
	\$482,220.75	\$536,359.79	\$580,597.49	\$709,300.76
Pembroke Mason Lane 92-84-01 (71930-01)	\$0.00	\$0.00	+ \$205.76	+ \$1,162.69
			- 53,697.90	- 107,315.81
			527,105.	603,068.

withly \$192,533.70  
Dec 2004 \$16,044. / MO

2003 - 2004  
- audit notes

**White, Anna M.**

---

**From:** Ellis Joiner [ejoiner@hwea-ky.com]  
**Sent:** Tuesday, February 01, 2005 5:40 AM  
**To:** White, Anna M.  
**Subject:** Christian County Water District, Gratis and Fire Charges

Anna,

The following numbers should be taken out of the revenue and consumption totals (OM & G) that you received last week.

**Christian County Water District Consumption**

FYE 6/30/00	44,650,070 Cubic Feet
FYE 6/30/01	49,662,940 Cubic Feet
FYE 6/30/02	49,149,800 Cubic Feet (1,600 Cubic Feet is Pembroke Division)
FYE 6/30/03	54,756,630 Cubic Feet (8,961 Cubic Feet is Pembroke Division)
FYE 6/30/04	54,895,860 Cubic Feet (13,818 Cubic Feet is Pembroke Division)

**Christian County Water District Revenue (FYE 6/30/04)**

Hopkinsville	\$683,902.11
Pembroke	\$ 2,109.32
	<del>30,342.74</del> 599,669

**Gratis Consumption - Hopkinsville Division**

FYE 6/30/00	11,927,420 Cubic Feet	14 Customers
FYE 6/30/01	12,501,080 Cubic Feet	15 Customers
FYE 6/30/02	11,031,350 Cubic Feet	16 Customers
FYE 6/30/03	16,323,770 Cubic Feet	17 Customers
FYE 6/30/04	18,036,570 Cubic Feet	18 Customers

**Fire Hydrant Charges - Hopkinsville Division**

FYE 6/30/00	\$49,818.00
FYE 6/30/01	\$53,195.25
FYE 6/30/02	\$53,523.00
FYE 6/30/03	\$54,549.00
FYE 6/30/04	\$56,339.75

**Fire Service Fees - Hopkinsville Division**

FYE 6/30/00	\$65,141.50
FYE 6/30/01	\$76,692.29
FYE 6/30/02	\$76,282.30
FYE 6/30/03	\$83,599.78
FYE 6/30/04	\$86,526.80

**White, Anna M.**

---

**From:** Ellis Joiner [ejoiner@hwea-ky.com]  
**Sent:** Friday, February 18, 2005 11:04 AM  
**o:** White, Anna M.  
**Subject:** Christian Co. Water District (Wholesale Customer)

Anna,

The amount billed to Christian County Water District for the period January 1, 2002 through December 31, 2003 was adjusted due to final resolution of a dispute. The amounts adjusted were \$161,093.71 and \$86,342.74 respectively for FYE 6/30/03 and FYE 6/30/04. There is a note in the FYE 6/30/03 audit on page 16 in the receivables section. However, the amount in the note is a combination of Sales to Government Agency revenue and penalty. The amounts above are only the sales part of the adjustment without the penalty portion. The adjustment for 6/30/04 is purely for that fiscal year. The adjustment for FYE 6/30/03 is for all of that fiscal year and January through June of 2002. Please let me know if I can help make this any clearer for you.

Thanks,  
Ellis

\$ 161,093.71  
86,342.74

\$ 247,436.45 ÷ 12 = \$ 20,619.70 / mo

1/02 - 6/02      6 mos      \$ 53,697.90

7/02 - 6/03      12 mos      \$ 107,395.81

18 mos  
\$ 161,093.71 ÷ 18 = \$ 8,949.65 / mo

7/03 - 6/04      \$ 86,342.74



**White, Anna M.**

---

**From:** Ellis Joiner [ejoiner@hwea-ky.com]  
**Sent:** Tuesday, February 01, 2005 5:40 AM  
**To:** White, Anna M.  
**Subject:** Christian County Water District, Gratis and Fire Charges

Anna,

The following numbers should be taken out of the revenue and consumption totals (OM & G) that you received last week.

Christian County Water District Consumption

FYE 6/30/00	44,650,070 Cubic Feet
FYE 6/30/01	49,662,940 Cubic Feet
FYE 6/30/02	49,149,800 Cubic Feet (1,600 Cubic Feet is Pembroke Division)
FYE 6/30/03	54,756,630 Cubic Feet (8,961 Cubic Feet is Pembroke Division)
FYE 6/30/04	54,895,860 Cubic Feet (13,818 Cubic Feet is Pembroke Division)

Christian County Water District Revenue (FYE 6/30/04)

Hopkinsville	\$683,902.11
Pembroke	\$ 2,109.32

Gratis Consumption - Hopkinsville Division

FYE 6/30/00	11,927,420 Cubic Feet	14 Customers
FYE 6/30/01	12,501,080 Cubic Feet	15 Customers
FYE 6/30/02	11,031,350 Cubic Feet	16 Customers
FYE 6/30/03	16,323,770 Cubic Feet	17 Customers
FYE 6/30/04	18,036,570 Cubic Feet	18 Customers

Fire Hydrant Charges - Hopkinsville Division

FYE 6/30/00	\$49,818.00
FYE 6/30/01	\$53,195.25
FYE 6/30/02	\$53,523.00
FYE 6/30/03	\$54,549.00
FYE 6/30/04	\$56,339.75

Fire Service Fees - Hopkinsville Division

FYE 6/30/00	\$65,141.50
FYE 6/30/01	\$76,692.29
FYE 6/30/02	\$76,282.30
FYE 6/30/03	\$83,599.78
FYE 6/30/04	\$86,526.80

**White, Anna M.**

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**From:** Ellis Joiner [ejoiner@hwea-ky.com]  
**Sent:** Monday, February 07, 2005 12:33 PM  
**To:** White, Anna M.  
**Subject:** Miscellaneous Revenue

**Attachments:** RateSurveyMisc.xls



RateSurveyMisc.xls  
(15 KB)

Anna,

Please review the attached file. The data should agree with the audit reports (Non-operating Revenues pg. 26 in FYE 6/30/04 audit), but the Connection Fees and Service Fees are included in the Operating Revenues section. I did not include them in Operating Revenues with the earlier numbers I sent you.

Other/Misc. Income	Bad Accts. Recovered	Int.-Depr. Fund Inv.	Int.-B&I Red. Inv.	Int.-Const. Fund Inv.	Misc. Income	Int.-Gen. Rev. Accts.	Connect Fees	Service Fees	Sales & Use Comp.	Capital by Developers	Gain on Sale
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
FYE 6/30/00	8,927 ✓	115,954	143,368	6,738	5,120 ✓	19,610	90,777 ✓	49,068 ✓	868 ✓	27,067 ✓	3,450 ✓
FYE 6/30/01	9,613 ✓	139,101	173,926	4,714	4,456 ✓	11,654	63,602 ✓	49,255 ✓	889 ✓	35,000 ✓	2,250 ✓
FYE 6/30/02	10,669 ✓	96,959	115,567	1,633	22,397 ✓	2,981	72,100 ✓	48,881 ✓	842 ✓	145,146 ✓	0 ✓
FYE 6/30/03	10,137 ✓	69,997	45,938	0	16,799 ✓	1,581	76,350 ✓	50,780 ✓	869 ✓	57,104 ✓	650 ✓
FYE 6/30/04	8,237 ✓	54,588	33,229	0	20,993 ✓	1,628	72,061 ✓	57,308 ✓	828 ✓	112,079 ✓	13,697 ✓

Is Ace included?  
No Per Ellis

# HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

Fiscal Year - July 01, 2004 Through June 30, 2005

ANNUAL BUDGET		Fiscal Year - July 01, 2004 Through June 30, 2005											
Department:	Operations												
Expense Account:	Source of Supply												
Responsibility:	Moss Water Treatment Plant												
Annual Budget Total	01-0400-0000	\$21,460.00											
Expense Account Title	Act. Number	July	August	September	October	November	December	Totals	1st Half	2nd Half	Annual	Totals	
Supervision	01-0401-0000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Labor	01-0402-0000	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>311</del> \$360.00	<del>300</del> \$360.00	\$2,160.00	\$2,160.00	\$2,160.00	\$4,320.00	\$12,060.00	
Supplies & Expenses	01-0403-0000	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,060.00	\$6,060.00	\$6,060.00	\$6,000.00	\$12,060.00	\$600	
Repairs to Structures	01-0404-0000							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repairs to Impoundment	01-0405-0000							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repairs to Equipment	01-0407-0000							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Repairs to Lakes	01-0409-0000	\$5.00	\$5.00	\$5.00	\$5.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Grounds and Maintenance	01-0410-0000	\$80.00	\$80.00	\$1,830.00	\$880.00			\$2,570.00	\$2,570.00	\$2,510.00	\$5,080.00	\$500	
Monthly Totals - 1st Half		\$1,440.00	\$1,440.00	\$3,190.00	\$1,940.00	\$1,360.00	\$1,420.00	\$10,790.00	\$10,670.00	\$21,460.00	7500		
Expense Account Title	Act. Number	January	February	March	April	May	June	Total					
Supervision	01-0401-0000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
Labor	01-0402-0000	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>300</del> \$360.00	<del>311</del> \$360.00	<del>300</del> \$360.00	\$2,160.00					
Supplies & Expenses	01-0403-0000	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$6,000.00					
Repairs to Structures	01-0404-0000							\$0.00					
Repairs to Impoundment	01-0405-0000							\$0.00					
Repairs to Equipment	01-0407-0000							\$0.00					
Repairs to Lakes	01-0409-0000	\$5.00	\$5.00	\$5.00	\$5.00			\$0.00					
Grounds and Maintenance	01-0410-0000	\$80.00	\$80.00	\$1,830.00	\$880.00			\$2,510.00					
Monthly Totals - 2nd Half		\$1,360.00	\$1,360.00	\$1,380.00	\$1,940.00	\$3,190.00	\$1,440.00	\$10,670.00					

"Change for food" budget in red.

4/8/04

# HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

ANNUAL BUDGET		Fiscal Year - July 01, 2004 Through June 30, 2005								
Department:	Operations									
Expense Account:	Distribution - Water Distribution									
Page:	1 of 2									
Actual Budget Total	01-0700-0000		\$470,000							
Expense Account Title	Acct. Number	July	August	September	October	November	December	Totals 1st Half	Totals 2nd Half	Totals
<b>Water Distribution</b>	<b>01-0700-0000</b>									
Supervisor	01-0701-0000	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$27,000	\$27,000	\$54,000
Labor	01-0702-0000	\$15,500	\$15,500	\$15,500	\$15,500	\$15,500	\$15,500	\$93,000	\$93,000	\$186,000
Supplies & Expenses	01-0703-0000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$24,000	\$24,000	\$48,000
Tools	01-0704-0000	\$250	\$250	\$150	\$150	\$150	\$150	\$1,100	\$900	\$2,000
Tank Maintenance	01-0705-0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Repairs To Mains	01-0708-0000	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$27,000	\$27,000	\$54,000
Repairs To Services	01-0709-0000	\$1,250	\$1,250	\$1,250	\$1,250	\$1,250	\$1,250	\$7,500	\$7,500	\$15,000
Repairs To Meters	01-0710-0000	\$125	\$125	\$125	\$125	\$125	\$125	\$750	\$750	\$1,500
Removing/Setting Meters	01-0711-0000	\$3,500	\$3,500	\$3,500	\$3,500	\$3,500	\$3,500	\$21,000	\$21,000	\$42,000
Vehicle/Equipment Repairs	01-0712-0000	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$12,600	\$12,600	\$25,200
Gas/Oil & Tires	01-0713-0000	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$1,750	\$10,500	\$10,500	\$21,000
Repairs To Fire Hydrants	01-0714-0000	\$600	\$600	\$600	\$600	\$600	\$600	\$3,600	\$3,600	\$7,200
Misc. Expenses	01-0715-0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grounds & Maintenance	01-0716-0000	\$800	\$800	\$800	\$800	\$800	\$800	\$4,800	\$4,800	\$9,600
Training	01-0717-0000	\$375	\$375	\$375	\$375	\$375	\$375	\$2,250	\$2,250	\$4,500
Monthly Totals - 1st Half		\$39,250	\$39,250	\$39,150	\$39,150	\$39,150	\$39,150	\$235,100	\$234,900	<del>\$470,000</del> 462,700 ✓

*56,000*  
*3,392*  
*OK*  
*4,200*  
*x1,600*  
*20*  
*6,500*  
*13,200*  
*OK*  
*44,700*  
*OK*  
*21,600*  
*OK*  
*4,000*  
*12,333*  
*OK*  
*4329*  
*OK*





Admin Budget 5/04

WATER

1. Commission Salaries: 2992.5 → no change \*3000
2. Office Salaries: 273,220 (3% COLA, 0.5% merits, no new hires or additions, or extra OT)  $273,220 \times 1.035 =$  282,790
3. Meter Reader Salaries: \*41,941 (3% COLA, 1% merits, no new hires, additions, extra OT)  $41,941 \times 1.04$  43,620
4. Supplies & Expenses: \*36,609 (No major increases expected, use 1% for inflation)  $36,609 \times 1.01 =$  36,980
5. Postage: 27,120 (No postage increase expected, xtra for c.c.'s assume 2% growth in customers)  $27,120 \times 1.02$  28,660
6. Telephone: 18,073 (No change expected)  $18,073 \times 1.01$  18,260
7. Insurance Premium: See Mel's Budget \*126,340
8. Training & Licenses: " " " \*1,500
9. Professional Services: \*30,089 (No increase in Attorney, engineer, done in-house, no change in York Neel → use 1%) \*30,390
10. Transportation Expense: \*19,030 (No add. vehicles, new meter truck, older vans, higher gas, Robert dies, minor repairs → use 6% more.)  $19,030 \times 1.06$  \*20,180
11. Employee Benefits: see Mel's Budget \*300,350
12. Safety Program: see Chris's Budget \*32,350
13. Bldg. Maint & Utilities: \*27,396 (Some painting needed, higher gas & electricity, 5%)  $27,396 \times 1.05$  \*28,770
14. Misc Expenses: \*25,700 - disp to \*21,000 \*21,000

\*1,054,190 ✓

2003-04 → 1,168,880



**White, Anna M.**

---

**From:** Ellis Joiner [ejoiner@hwea-ky.com]  
**Sent:** Monday, February 07, 2005 4:04 PM  
**To:** White, Anna M.  
**Subject:** FW: Rate Evaluation

-----Original Message-----

**From:** Len Hale  
**Sent:** Monday, February 07, 2005 3:53 PM  
**To:** Ellis Joiner  
**Subject:** Rate Evaluation

Ellis: This completes my share of the information that B&V requested.

- The monthly water consumption by the CCWD last year was:

January 31,619,306 gallons  
February 31,752,899 gallons  
March 37,643,250 gallons  
April 28,837,760 gallons  
May 32,508,603 gallons  
June 32,055,690 gallons  
July 31,409,791 gallons  
August 34,318,165 gallons  
September 30,544,730 gallons  
October 32,578,260 gallons  
November 29,160,055 gallons  
December 30,049,773 gallons

- The additional anticipated costs of the Lake Barkley intake site is \$553,000. The majority is this is power costs \$36,000 per month. But \$10,000 per month is contract demand costs. *↑ commodity?* *demand?* *annual costs*

- I will copy and send the entire contract agreement to B&V later (there are 7 or 8 amendments also). However the rate information that they need is in the latest amendment that you sent them. This other information is not needed to complete the rate evaluation.

- Derrick said that LaDonna provided you the information on the number of meters per meter size this morning. Is there anything more you need?

- The length of water mains information provided by Derrick is for the Hopkinsville Division. We have not mapped the Crofton and Pembroke systems into our GIS data files. We do not have an accurate measurement of the length of mains in the Crofton or Pembroke. It should not matter. B&V has the past operating and maintenance costs for the water system in both communities.

- In regards to consumption, Crofton uses about 350,000 to 400,000 gallons per day of water. Pembroke uses about 75,000 to 130,000 gpd of water. There is some seasonal variations, but it is insignificant.

This should be sufficient for you to forward to B&V. If there are other requests for information from B&V, please let me know.

Thanks

Len

HOPKINSVILLE WATER  
ENVIRONMENT AUTHORITY

REPORT ON AUDITS OF FINANCIAL STATEMENTS

For the years ended June 30, 2000 and 1999

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY**  
**WATER AND WASTEWATER DEPARTMENTS**  
**A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY**  
**SCHEDULE OF OPERATING EXPENSES**  
**For the Years Ended June 30, 2000 and 1999**

	2000		1999	
	Amount	% of Net Revenues	Amount	% of Net Revenues
<b>Water Source of Supply</b>				
Supervision	\$8,885	0.12%	\$7,503	0.10%
Labor	7,154	0.10%	8,197	0.11%
Supplies	7,559	0.10%	10,740	0.15%
Maintenance to structure	22,554	0.31%	-	0.00%
Maintenance to equipment	1,079	0.01%	6,352	0.09%
Maintenance to lakes	2,667	0.04%	2,888	0.04%
Quarry study and test	280	0.00%	8,567	0.12%
Grounds and maintenance	694	0.01%	6,866	0.10%
<b>Total water source of supply</b>	<b>50,872</b>	<b>0.69%</b>	<b>51,113</b>	<b>0.71%</b>
<b>Water Purification</b>				
Supervision	7,891	0.11%	7,467	0.10%
Labor	277,016	3.77%	218,750	3.06%
Chemicals	189,977	2.58%	261,038	3.65%
Maintenance to structures	78	0.00%	599	0.01%
Maintenance to equipment	16,759	0.23%	30,806	0.43%
Supplies	8,822	0.12%	8,812	0.12%
Maintenance to reservoirs and tanks	2,348	0.03%	-	0.00%
Utilities	241,909	3.29%	205,739	2.88%
Training and education	5,422	0.07%	5,550	0.08%
Laboratory work	51,366	0.70%	47,982	0.67%
Laboratory supplies and expense	14,218	0.19%	12,860	0.18%
Plant security	16,310	0.22%	14,564	0.20%
Grounds and maintenance	6,450	0.09%	9,443	0.13%
Transportation expense	3,249	0.04%	2,134	0.03%
Miscellaneous	2,612	0.04%	67	0.00%
<b>Total water purification</b>	<b>844,427</b>	<b>11.48%</b>	<b>825,811</b>	<b>11.55%</b>
<b>Water Distribution</b>				
Supervision	72,403	0.98%	81,169	1.13%
Labor	140,294	1.91%	131,059	1.83%
Supplies	80,631	1.10%	14,280	0.20%
Repairs to distribution, structures, reservoirs, and standpipes	130	0.00%	7,937	0.11%
Repairs to distribution mains	80,298	1.09%	20,286	0.28%
Repairs to services	14,900	0.20%	19,374	0.27%
Repair to meters	411	0.01%	4,128	0.06%
Removing and resetting meters	40,185	0.55%	45,084	0.63%
Repairs to fire hydrants	3,592	0.05%	9,778	0.14%
Transportation expense	22,016	0.30%	18,934	0.26%
Gas, oil, tires, etc-tractor/compressor	28,250	0.38%	18,209	0.25%
Grounds and maintenance	5,975	0.08%	6,472	0.09%
Training, education and licenses	5,314	0.07%	4,190	0.06%
Small tools	664	0.01%	651	0.01%
Miscellaneous	549	0.01%	624	0.01%
<b>Total water distribution</b>	<b>495,612</b>	<b>5.75%</b>	<b>382,175</b>	<b>4.21%</b>
<b>Subtotal carried forward</b>	<b>\$1,390,911</b>	<b>17.92%</b>	<b>\$1,259,099</b>	<b>16.47%</b>

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
WATER AND WASTEWATER DEPARTMENTS  
A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY  
SCHEDULE OF OPERATING EXPENSES  
For the Years Ended June 30, 2000 and 1999**

	<u>2000</u>		<u>1999</u>	
	<u>Amount</u>	<u>% of Net Revenues</u>	<u>Amount</u>	<u>% of Net Revenues</u>
Subtotal carried forward	\$1,390,911	17.92%	\$1,259,099	16.47%
<b>Water Technical Services</b>				
Labor	49,599	0.67%	37,225	0.52%
Supplies	3,641	0.05%	3,432	0.05%
Training, education and licenses	1,520	0.02%	4,290	0.06%
Transportation expense	2,671	0.04%	2,442	0.03%
Miscellaneous	116	0.00%	-	0.00%
Total water technical services	<u>57,547</u>	<u>0.78%</u>	<u>47,389</u>	<u>0.66%</u>
<b>Water Administrative and General</b>				
Commissioners' fees	12,435	0.17%	14,464	0.20%
Office salaries	184,764	2.51%	180,829	2.53%
Meter reading and collecting salaries	37,245	0.51%	33,115	0.46%
Employee benefits	385,421	5.24%	366,593	5.13%
Amortization of CERS retirement	10,308	0.14%	10,308	0.14%
Office supplies	30,484	0.41%	22,943	0.32%
Postage	19,506	0.27%	16,298	0.23%
Telephone	19,017	0.26%	20,960	0.29%
Insurance and bonds	59,803	0.81%	53,172	0.74%
Professional services	62,748	0.85%	22,626	0.32%
Safety program	6,982	0.09%	4,270	0.06%
Office building maintenance	19,567	0.27%	21,879	0.31%
Bad debts, net	9,624	0.13%	11,141	0.16%
Training, education and licenses	5,197	0.07%	4,583	0.06%
Transportation expense	6,105	0.08%	3,466	0.05%
Miscellaneous	29,215	0.40%	28,159	0.39%
Total water administrative and general	<u>898,421</u>	<u>12.21%</u>	<u>814,806</u>	<u>11.39%</u>
Total water operating expense other than depreciation	<u>\$2,346,879</u>	<u>30.92%</u>	<u>\$2,121,294</u>	<u>28.53%</u>

**HOPKINSVILLE WATER  
ENVIRONMENT AUTHORITY**

**REPORT ON AUDITS OF FINANCIAL STATEMENTS**

**FOR THE YEARS ENDED JUNE 30, 2002 AND 2001**

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
WATER AND WASTEWATER DEPARTMENTS  
A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY  
SCHEDULE OF OPERATING EXPENSES  
For the Years Ended June 30, 2002 and 2001**

	<u>2002</u>		<u>2001</u>	
	<u>Amount</u>	<u>% of Net Revenues</u>	<u>Amount</u>	<u>% of Net Revenues</u>
<b>Water Source of Supply</b>				
Supervision	-	0.00%	\$8,048	0.10%
Labor	\$4,354	0.06%	4,792	0.06%
Supplies	2,595	0.03%	2,347	0.03%
Maintenance to structure	-	0.00%	-	0.00%
Maintenance to equipment	-	0.00%	958	0.01%
Maintenance to lakes	-	0.00%	-	0.00%
Grounds and maintenance	446	0.01%	1,981	0.03%
	<u>7,395</u>	<u>0.09%</u>	<u>18,126</u>	<u>0.23%</u>
<b>Water Purification</b>				
Supervision	43,013	0.55%	44,140	0.56%
Labor	283,937	3.63%	306,478	3.90%
Chemicals	351,523	4.49%	329,986	4.20%
Maintenance to structures	299	0.00%	3,419	0.04%
Maintenance to equipment	17,846	0.23%	22,017	0.28%
Supplies	9,167	0.12%	9,493	0.12%
Maintenance to reservoirs and tanks	4,355	0.06%	1,908	0.02%
Utilities	229,858	2.94%	249,517	3.17%
Training and education	4,298	0.05%	3,024	0.04%
Laboratory work	48,534	0.62%	49,242	0.63%
Laboratory supplies and expense	13,605	0.17%	16,771	0.21%
Plant security	-	0.00%	3,911	0.05%
Grounds and maintenance	2,821	0.04%	8,252	0.10%
Transportation expense	3,748	0.05%	6,181	0.08%
Miscellaneous	103	0.00%	3,125	0.04%
	<u>1,013,107</u>	<u>12.94%</u>	<u>1,057,464</u>	<u>13.45%</u>
<b>Water Distribution</b>				
Supervision	34,475	0.44%	52,559	0.67%
Labor	176,899	2.25%	155,213	1.97%
Supplies	113,641	1.45%	124,840	1.59%
Repairs to distribution, structures, reservoirs, and standpipes	-	0.00%	57	0.00%
Repairs to distribution mains	39,551	0.50%	26,658	0.34%
Repairs to services	11,783	0.15%	9,038	0.11%
Repair to meters	85	0.00%	1,248	0.02%
Removing and resetting meters	40,724	0.52%	35,381	0.45%
Repairs to fire hydrants	6,827	0.09%	2,626	0.03%
Transportation expense	23,983	0.31%	22,634	0.29%
Gas, oil, tires, etc-tractor/compressor	19,791	0.25%	19,145	0.24%
Grounds and maintenance	10,425	0.13%	11,849	0.15%
Training, education and licenses	2,593	0.03%	4,466	0.06%
Small tools	2,012	0.03%	3,332	0.04%
Miscellaneous	4	0.00%	916	0.01%
	<u>482,793</u>	<u>6.14%</u>	<u>469,962</u>	<u>5.31%</u>
Total water distribution	<u>482,793</u>	<u>6.14%</u>	<u>469,962</u>	<u>5.31%</u>
Subtotal carried forward	<u>\$1,503,296</u>	<u>19.18%</u>	<u>\$1,545,552</u>	<u>18.99%</u>

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
WATER AND WASTEWATER DEPARTMENTS  
A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY  
SCHEDULE OF OPERATING EXPENSES  
For the Years Ended June 30, 2002 and 2001**

	<u>2002</u>		<u>2001</u>	
	<u>Amount</u>	<u>% of Net Revenues</u>	<u>Amount</u>	<u>% of Net Revenues</u>
Subtotal carried forward	<u>\$1,503,296</u>	<u>19.18%</u>	<u>\$1,545,552</u>	<u>18.99%</u>
<b>Water Technical Services</b>				
Labor	47,764	0.61%	50,154	0.64%
Supplies	2,431	0.03%	2,644	0.03%
Training, education and licenses	823	0.01%	1,993	0.03%
Transportation expense	3,711	0.05%	4,069	0.05%
Miscellaneous	<u>667</u>	<u>0.01%</u>	<u>78</u>	<u>0.00%</u>
Total water technical services	<u>55,396</u>	<u>0.71%</u>	<u>58,938</u>	<u>0.75%</u>
<b>Water Administrative and General</b>				
Commissioners' fees	3,000	0.04%	17,029	0.22%
Office salaries	261,270	3.34%	199,964	2.54%
Meter reading and collecting salaries	41,366	0.53%	37,469	0.48%
Employee benefits	482,311	6.16%	453,412	5.77%
Amortization of CERS retirement	10,308	0.13%	10,308	0.13%
Office supplies	22,839	0.29%	28,389	0.36%
Postage	20,612	0.26%	19,003	0.24%
Telephone	19,111	0.24%	19,150	0.24%
Insurance and bonds	98,413	1.26%	86,144	1.10%
Professional services	29,297	0.37%	26,962	0.34%
Safety program	12,641	0.16%	7,765	0.10%
Office building maintenance	21,021	0.27%	23,434	0.30%
Bad debts, net	27,653	0.35%	11,954	0.15%
Training, education and licenses	5,056	0.06%	2,890	0.04%
Transportation expense	6,926	0.09%	9,190	0.12%
Miscellaneous	<u>17,652</u>	<u>0.23%</u>	<u>21,454</u>	<u>0.27%</u>
Total water administrative and general	<u>1,079,476</u>	<u>13.79%</u>	<u>974,517</u>	<u>12.39%</u>
Total water operating expense other than depreciation	<u>\$2,638,168</u>	<u>33.68%</u>	<u>\$2,579,007</u>	<u>32.13%</u>



**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY**  
**WATER AND WASTEWATER DEPARTMENTS**  
*Hopkinsville, Kentucky*



**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
WATER AND WASTEWATER DEPARTMENTS  
A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY  
SCHEDULE OF OPERATING EXPENSES  
For the Years Ended June 30, 2004 and 2003**

	2004		2003	
	Amount	% of Net Revenues	Amount	% of Net Revenues
<b>Water Source of Supply</b>				
Labor	\$ 5,039	0.06%	\$ 4,107	0.05%
Supplies	1,638	0.02%	646	0.01%
Grounds and maintenance	1,824	0.02%	2,452	0.03%
Total water source of supply	8,501	0.11%	7,206	0.09%
<b>Water Purification</b>				
Supervision	48,087	0.61%	45,025	0.57%
Labor	226,762	2.87%	238,587	3.04%
Chemicals	340,283	4.31%	268,410	3.42%
Maintenance to structures	1,066	0.01%	155	0.00%
Maintenance to equipment	16,969	0.22%	25,126	0.32%
Supplies	7,726	0.10%	10,292	0.13%
Maintenance to reservoirs and tanks	4,620	0.06%	6,453	0.08%
Utilities	255,121	3.23%	252,204	3.21%
Training and education	1,164	0.01%	3,006	0.04%
Laboratory work	56,938	0.72%	53,989	0.69%
Laboratory supplies and expense	16,927	0.21%	18,496	0.24%
Plant security	-	0.00%	974	0.01%
Grounds and maintenance	2,125	0.03%	-	0.00%
Transportation expense	3,058	0.04%	3,999	0.05%
Miscellaneous	384	0.00%	786	0.01%
Total water purification	981,230	12.43%	927,502	11.82%
<b>Water Distribution</b>				
Supervision	75,433	0.96%	39,502	0.50%
Labor	177,370	2.25%	163,912	2.09%
Supplies	84,730	1.07%	100,744	1.28%
Repairs to distribution mains	60,891	0.77%	63,824	0.81%
Repairs to services	13,350	0.17%	14,698	0.19%
Repair to meters	479	0.01%	53	0.00%
Removing and resetting meters	45,507	0.58%	43,184	0.55%
Repairs to fire hydrants	1,269	0.02%	1,500	0.02%
Transportation expense	19,158	0.24%	20,714	0.26%
Gas, oil, tires, etc-tractor/compressor	22,297	0.28%	19,276	0.25%
Grounds and maintenance	12,257	0.16%	11,478	0.15%
Training, education and licenses	4,137	0.05%	5,499	0.07%
Small tools	678	0.01%	758	0.01%
Miscellaneous	1	0.00%	-	0.00%
Total water distribution	517,557	6.56%	485,142	6.18%
Subtotal carried forward	\$ 1,507,288	19.10%	\$ 1,419,850	18.09%

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
WATER AND WASTEWATER DEPARTMENTS  
A COMPONENT UNIT OF THE CITY OF HOPKINSVILLE, KENTUCKY  
SCHEDULE OF OPERATING EXPENSES  
For the Years Ended June 30, 2004 and 2003**

	2004		2003	
	Amount	% of Net Revenues	Amount	% of Net Revenues
Subtotal carried forward	\$ 1,507,288	19.10%	\$ 1,419,850	19.10%
<b>Water Technical Services</b>				
Labor	67,294	0.85%	68,617	0.87%
Supplies	1,589	0.02%	1,910	0.02%
Training, education and licenses	-	0.00%	1,504	0.02%
Transportation expense	4,050	0.05%	3,026	0.04%
Miscellaneous	-	0.00%	1,059	0.01%
Total water technical services	72,933	0.92%	76,117	0.97%
<b>Water Administrative and General</b>				
Commissioners' fees	3,000	0.04%	3,180	0.04%
Office salaries	273,265	3.46%	268,067	3.41%
Meter reading and collecting salaries	42,399	0.54%	38,318	0.49%
Employee benefits	382,190	4.84%	350,256	4.46%
Amortization of CERS retirement	859	0.01%	10,308	0.13%
Office supplies	34,496	0.44%	27,896	0.36%
Postage	25,503	0.32%	20,710	0.26%
Telephone	17,279	0.22%	20,293	0.26%
Insurance and bonds	100,509	1.27%	116,434	1.48%
Professional services	26,272	0.33%	35,742	0.46%
Safety program	30,133	0.38%	27,649	0.35%
Office building maintenance	27,905	0.35%	26,806	0.34%
Bad debts, net	17,338	0.22%	22,926	0.29%
Training, education and licenses	8,267	0.10%	4,016	0.05%
Transportation expense	7,945	0.10%	9,045	0.12%
Miscellaneous	23,114	0.29%	26,587	0.34%
Total water administrative and general	1,020,474	12.93%	1,008,234	12.84%
Total water operating expense other than depreciation	\$ 2,600,695	32.95%	\$ 2,504,201	32.91%

# HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

401 E. Ninth Street, P.O. Box 628  
Hopkinsville, KY 42240

## MEMORANDUM

**TO:** HWEA Board of Commissioners

**FROM:** Len 

**DATE:** January 19, 2004

**SUBJECT:** 2004 Edition of Five Year Plan

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Since 1994, HWEA has adopted a Five Year Capital Improvements Plan. Each year the Five Year Plan is updated by revising the lists for the successive four years and developing a plan for the fifth year. This is a planning document used by HWEA management and staff to prepare annual budgets, seek outside funding, and for the annual rate evaluation. The attached draft Five Year Plan is our recommended edition for 2004. I have included the plan for the existing fiscal year, showing the projects that have been completed thus far. Most of the projects contained in the Five Year Plan for completion are upgrades, expansions, or renovations. We have a very old water and wastewater system and must continually perform upgrades, repairs, and replacements in addition to extensions necessary to support community growth.

All of the projects listed on the Five Year Plan, unless otherwise noted, are funded with HWEA net revenues and from the depreciation account. Over the past three years our income has been below the anticipated levels. For fiscal years ending on June 30, 2001, 2002, and 2003, water revenues only increased by 3%, 1%, and 6% respectively. During the same period, wastewater revenues changed by 0% ('01), -2% ('02), and 2% ('03). During those years the increase in expenditures were kept below 4% annually. This reduction in net revenue limits the available funds for financing Five Year Plan projects.

Each year the Plan includes sewer rehabilitation projects, water main replacement projects, and replacement of aging pump stations. We hope within the next ten years to fully replace all galvanized and small diameter water mains in the City. In addition, HWEA currently owns and maintains 50 pump stations. Without a regular program for renovating or replacing these stations, costs for repairing the stations later increase along with the possibility of lapses in service.

Memo to HWEA Board of Commissioners  
2004 Five Year Plan  
January 19, 2004  
Page 2

The Five Year Plan also includes a phased program for completing the water main installation around the "by pass". This project is expected to take ten years and cost over \$11 million. The first phases included providing water mains at all the intersections around the by pass. This work has now been completed and the remaining phases will involve connecting the mains at these intersections. The Planning Commission has advised HWEA on the sections with the most growth potential. HWEA has also developed a preliminary engineering report for installing sewers around the "by pass". However due to the excessive cost of this endeavor, it will be implemented only as actual development occurs.

The Five Year Plan also includes a list of projects scheduled for "long range" implementation. These projects are expected to be implemented five to ten years in the future. However as community needs change, these projects can be brought forward at any time to an appropriate five year period.

We will present this draft Five Year Plan to the HWEA Board for approval during the meeting on January 21<sup>st</sup>. If you have any questions, please call me. Thank you.

enclosures

new one in Feb

BD 8

### FIVE YEAR FACILITIES IMPROVEMENT PLAN HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

#### EXISTING FY 2003-2004

##### ITEMS LEFT TO BE COMPLETED

◇ 1. Misc. Sewer Rehabilitation		\$15,000
* 2. Water Main Replacement Program	W	\$75,000
3. Northside WWTP Repairs		\$135,000
◇ 4. Hammond-Wood WWTP Repairs		\$40,000
◇ 5. Moss WTP Repairs		\$88,000
*** 6. Meter Replacement Program Year One	W	\$25,000
7. Repair and Repaint Sanderson Drive Tank	W	\$115,000
◇ 8. Computer Upgrade (Hardware and Software)		\$30,000
9. Pump Station Replacement Program (Hermitage Hills #1, Givens Addition and Stone Valley)	W	\$150,000
<b>TOTAL</b>		<b>\$673,000</b>

#### PROPOSED FY 2004-2005

1. Misc. Sewer Rehabilitation		\$25,000
2. Water Main Replacement Program (9th & Clay, Jessie, So. Walnut, Hope, Gary and Cave Streets)	W	\$90,000 ✓
→ 3. Pump Station Replacement Program (Reed Park and Hunting Creek #1)	<del>W</del>	\$135,000 ✓
4. Meter Replacement Project (year two)	W	\$20,000 ✓
5. Install Water Main Ext. (KY 272 to Cox Mill Rd.) Phase One	W	\$170,000 ✓
→ * 6. Computer Upgrade (Hardware and Software)	50/50 bill acct	\$30,000 ✓
7. Repaint and Repair Industrial Park Tank	W	\$130,000 ✓
** 8. Larger Force Main from Commerce Park (year one)	<del>W</del>	\$55,000
<b>TOTAL</b>		<b>\$655,000</b>

#### PROPOSED FY 2005-2006

1. Misc. Sewer Rehabilitation		\$45,000
2. Water Main Replacement Program (E. 1st Street)	W	\$70,000
→ 3. Pump Station Replacement Program (Stone Valley)	<del>W</del>	\$90,000
4. Install Water Main Ext. (KY 272 to Cox Mill Rd.) Phase Two	W	\$150,000
5. North Fork Interceptor Design/Planning (Clay Street to NW By-Pass) (SRF Funding)		\$0
6. Meter Replacement Program (Year Three)	W	\$15,000
7. Planning for Northside WWTP Conversion (SRF Funding)		\$0
→ 8. Computer Upgrade (Hardware and Software)		\$30,000
9. Upgrade/Improve High Service Pumping	W	\$110,000
** 10. Larger Force Main from Commerce Park (year two)	<del>W</del>	\$65,000
<b>TOTAL</b>		<b>\$575,000</b>

- \* See list attachment
- \*\* Upgrade as part of KY DOT Project for US 41
- \*\*\* 5 year program
- ◇ Completed Projects

**FIVE YEAR FACILITIES IMPROVEMENT PLAN  
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY**

**PROPOSED FY 2006-2007**

1. Misc. Sewer Rehabilitation		\$45,000
2. Water Main Replacement Program (Greenville Road, Grimes, Wood and Blane Drives)	W	\$81,000 ✓
→ 3. Pump Station Replacement Program (Cardinal & Faultless)	<del>W</del>	\$90,000 ✓
4. Install Water Main Ext. (KY 272, to US 68/80, Phase One)	W	\$130,000 ✓
5. Repaint Gainesville Hill Tank	W	\$105,000 ✓
6. Meter Replacement Program (Year Four)	W	\$25,000 ✓
7. Planning/Design for Southside Elevated Tank	W	\$60,000 ✓
→ 8. Computer Upgrades (4th year)		\$30,000 ✓
<b>TOTAL</b>		<b>\$566,000</b>

**PROPOSED FY 2007-2008**

1. Misc. Sewer Rehabilitation		\$35,000
2. Water Main Replacement Program (Replace Bourbon Fire Hydrants and water mains on Briarwood, Deepwood, Eleanor and Moelight Drives)	W	\$85,000 ✓
→ 3. Pump Station Replacement Program (Cherokee Trace & Greenville Road)	<del>W</del>	\$90,000 ✓
4. Install Water Main Ext. (KY 272 to US68/80, Phase Two)	W	\$145,000 ✓
5. Meter Replacement Program (Annual)	W	\$20,000 ✓
→ 6. Computer Upgrades (5th Year)		\$30,000 ✓
7. Hammond-Wood Upgrades <i>WWTP</i>		\$130,000
<b>TOTAL</b>		<b>\$535,000</b>

**PROPOSED FY 2008-2009**

1. Misc. Sewer Rehabilitation		\$35,000
2. Water Main Replacement Program	W	\$70,000 ✓
→ 3. Pump Station Replacement Program (Quarry P.S.)	<del>W</del>	\$90,000 ✓
4. Install Water Main Extension (Cox Mill to LaFayette Road, Phase One)	W	\$75,000 ✓
5. Meter Replacement Program (Annually)	W	\$30,000 ✓
6. Northside WWTP (Decommissioning - SRF)		\$0
7. Upgrade No. Fork Interceptor (SRF)	<del>W</del>	\$0
<b>TOTAL</b>		<b>\$300,000</b>

## HOPKINSVILLE WATER ENVIRONMENT AUTHORITY

### PEMBROKE DIVISION 2003 - 2004

	1. Replace KY 115 Water Main to Pembroke School	W	\$40,000
→	2. Loop Magnolia Street Main		\$15,000
	<b>TOTAL</b>		<b>\$55,000</b>

### CROFTON DIVISION 2003 - 2004

	1. Repair Crofton Tank Controls and Add Telemetry	W	\$40,000
	2. Rehabilitation/Dripping Springs Pump Station	W	\$60,000
	3. Install Lewis Road Booster Station	W	\$35,000
	<b>TOTAL</b>		<b>\$135,000</b>

**\* WATER MAIN REPLACEMENT/REHABILITATION: FY 2003-2004**

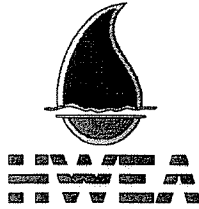
Cut/Cap/Tie Over Beach Street Water Main  
 Cut/Cap/Tie Over Braden Street Water Main  
 Cut/Cap/Tie Over Calvin Drive Water Main  
 Cut/Cap/Tie Over Country Club Lane Water Main  
 Cut/Cap/Tie Over East 21st Street Water Main  
 Cut/Cap/Tie Over East Parkview Drive Water Main  
 Cut/Cap/Tie Over Florence Drive Water Main  
 Cut/Cap/Tie Over Jan Drive Water Main  
 Cut/Cap/Tie Over Means Avenue Water Main  
 Cut/Cap/Tie Over Mooreland Drive Water Main  
 Cut/Cap/Tie Over Mosely Drive Water Main  
 Cut/Cap/Tie Over Parkview Drive Water Main  
 Cut/Cap/Tie Over Phelps Avenue Water Main

**LONG RANGE IMPROVEMENT PLAN 2006 - 2013  
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
JANUARY 2004**

<b>WATER</b>	<b>EST. COST</b>
<del>Southside Elevated Storage Tank</del>	<del>\$300,000</del>
Westside Elevated Storage Tank	\$1,200,000
Water Main Ext. By-Pass Dawson Springs - US 41A North	\$293,500
Water Main Ext. US41 North to Greenville Road	\$418,000
Water Main Ext. Russellville Road to Butler Road	\$390,000
Water Main Ext. Butler Road to Greenville Road	\$245,000
Water Main and Valve Replacement Program (yearly)	\$100,000
North Quarry Intake Extension	\$100,000
Westside Rechlorination Stations	\$230,000
Southside Elevated Storage Tank	\$1,800,000
Water Main Extension	
Pembroke Road to Russellville Road	\$295,000
Princeton Road to Dawson Springs Road.	\$106,000
Water Main Rehabilitation Legion Circle @ Butler Road	\$600,000

<b>WASTEWATER</b>	<b>EST. COST</b>
Pump Station Rehabilitation Program (Yearly)	\$90,000
North Fork Interceptor, Upgrade & Extension	\$1,500,000
Sewer Extensions: US41A Eastside	\$1,800,000
By-Pass: Eagle Way	\$4,122,600
Martin Luther King, Jr. Way	\$2,336,200
Eagle Way North West	\$2,674,100
Northside WWTP Replacement/Upgrade	\$6,800,000
Pump Station Scrubbers (Stone Valley and Millbrooke Drive)	\$90,000
Hammond Wood Scrubber	\$135,000
Upgrade and Enlarge Eastern Interceptor	\$1,700,000
KY 1613 Sewer Extension	\$3,800,000
Southeast Interceptor	\$3,200,000
Upgrade Hammond-Wood WWTP	\$6,000,000
Means Avenue Siphon Rehabilitation	\$500,000





## TECHNICAL SERVICES DEPARTMENT

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### CROFTON UTILITY DIVISION

#### 5 Year Capital Improvements Plan

#### Water Utility

FY 2005-2006

1. Dripping Springs Road – Phase I \$ 32,000  
Replace 8" Asbestos Cement Water Main  
With 6" Ductile Iron From Water Treatment Plant To  
Elevated Storage Tank

FY 2006-2007

1. Dripping Springs Road – Phase II \$ <sup>34</sup>32,000  
Replace 8" Asbestos Cement Water Main  
With 6" Ductile Iron From Water Treatment Plant To  
Elevated Storage Tank

FY 2007-2008

1. Dripping Springs Road – Phase III \$ <sup>34</sup>32,000  
Replace 8" Asbestos Cement Water Main  
With 6" Ductile Iron From Water Treatment Plant To  
Elevated Storage Tank

FY 2008-2009

1. US 41 North - (Madisonville Road) – Phase I \$ <sup>34</sup>32,000  
Replace 3" Steel Water Main With 6" Ductile Iron  
Penecostal Church To End of Main

FY 2010-2011

1. US 41 North - (Madisonville Road) – Phase II \$ <sup>34</sup>32,000  
Replace 3" Steel Water Main With 6" Ductile Iron  
Penecostal Church To End of Main

*Change per Lou H.*

**City of Hopkinsville (Kentucky)**

**Water and Sewer Revenue Bonds**

Series 2005, Series 2005A (New Money--Deferred)

**Debt Service Schedule**

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
05/15/2005	-	-	-	-	-
10/01/2005	-	-	512,545.00	512,545.00	-
04/01/2006	-	-	512,545.00	512,545.00	-
06/30/2006	-	-	-	-	1,025,090.00
10/01/2006	550,000.00	2.650%	512,545.00	1,062,545.00	-
04/01/2007	-	-	505,257.50	505,257.50	-
06/30/2007	-	-	-	-	1,567,802.50
10/01/2007	550,000.00	2.900%	505,257.50	1,055,257.50	-
04/01/2008	-	-	497,282.50	497,282.50	-
06/30/2008	-	-	-	-	1,552,540.00
10/01/2008	975,000.00	3.000%	497,282.50	1,472,282.50	-
04/01/2009	-	-	482,657.50	482,657.50	-
06/30/2009	-	-	-	-	1,954,940.00
10/01/2009	1,005,000.00	3.150%	482,657.50	1,487,657.50	-
04/01/2010	-	-	466,828.75	466,828.75	-
06/30/2010	-	-	-	-	1,954,486.25
10/01/2010	1,040,000.00	3.300%	466,828.75	1,506,828.75	-
04/01/2011	-	-	449,668.75	449,668.75	-
06/30/2011	-	-	-	-	1,956,497.50
10/01/2011	1,075,000.00	3.500%	449,668.75	1,524,668.75	-
04/01/2012	-	-	430,856.25	430,856.25	-
06/30/2012	-	-	-	-	1,955,525.00
10/01/2012	1,115,000.00	3.600%	430,856.25	1,545,856.25	-
04/01/2013	-	-	410,786.25	410,786.25	-
06/30/2013	-	-	-	-	1,956,642.50
10/01/2013	1,155,000.00	3.750%	410,786.25	1,565,786.25	-
04/01/2014	-	-	389,130.00	389,130.00	-
06/30/2014	-	-	-	-	1,954,916.25
10/01/2014	1,200,000.00	3.850%	389,130.00	1,589,130.00	-
04/01/2015	-	-	366,030.00	366,030.00	-
06/30/2015	-	-	-	-	1,955,160.00
10/01/2015	1,250,000.00	3.950%	366,030.00	1,616,030.00	-
04/01/2016	-	-	341,342.50	341,342.50	-
06/30/2016	-	-	-	-	1,957,372.50
10/01/2016	1,300,000.00	4.000%	341,342.50	1,641,342.50	-
04/01/2017	-	-	315,342.50	315,342.50	-
06/30/2017	-	-	-	-	1,956,685.00
10/01/2017	1,355,000.00	4.100%	315,342.50	1,670,342.50	-
04/01/2018	-	-	287,565.00	287,565.00	-
06/30/2018	-	-	-	-	1,957,907.50
10/01/2018	1,410,000.00	4.150%	287,565.00	1,697,565.00	-
04/01/2019	-	-	258,307.50	258,307.50	-
06/30/2019	-	-	-	-	1,955,872.50
10/01/2019	1,470,000.00	4.200%	258,307.50	1,728,307.50	-

**City of Hopkinsville (Kentucky)**

**Water and Sewer Revenue Bonds**

Series 2005, Series 2005A (New Money--Deferred)

**Debt Service Schedule**

Part 2 of 2

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
04/01/2020	-	-	227,437.50	227,437.50	-
06/30/2020	-	-	-	-	1,955,745.00
10/01/2020	1,535,000.00	4.250%	227,437.50	1,762,437.50	-
04/01/2021	-	-	194,818.75	194,818.75	-
06/30/2021	-	-	-	-	1,957,256.25
10/01/2021	1,600,000.00	4.300%	194,818.75	1,794,818.75	-
04/01/2022	-	-	160,418.75	160,418.75	-
06/30/2022	-	-	-	-	1,955,237.50
10/01/2022	1,670,000.00	4.400%	160,418.75	1,830,418.75	-
04/01/2023	-	-	123,678.75	123,678.75	-
06/30/2023	-	-	-	-	1,954,097.50
10/01/2023	1,750,000.00	4.450%	123,678.75	1,873,678.75	-
04/01/2024	-	-	84,741.25	84,741.25	-
06/30/2024	-	-	-	-	1,958,420.00
10/01/2024	1,830,000.00	4.500%	84,741.25	1,914,741.25	-
04/01/2025	-	-	43,566.25	43,566.25	-
06/30/2025	-	-	-	-	1,958,307.50
10/01/2025	1,915,000.00	4.550%	43,566.25	1,958,566.25	-
06/30/2026	-	-	-	-	1,958,566.25 <i>MMF</i>
<b>Total</b>	<b>\$25,750,000.00</b>	<b>-</b>	<b>\$13,609,067.50</b>	<b>\$39,359,067.50</b>	<b>-</b>

**Yield Statistics**

Accrued Interest from 04/01/2005 to 05/15/2005	125,288.78
Bond Year Dollars	\$324,520.00
Average Life	12.603 Years
Average Coupon	4.1935990%
Net Interest Cost (NIC)	4.3126209%
True Interest Cost (TIC)	4.3265596%
Bond Yield for Arbitrage Purposes	4.2214691%
All Inclusive Cost (AIC)	4.4585539%

**IRS Form 8038**

Net Interest Cost	4.1956817%
Weighted Average Maturity	12.480 Years

**City of Hopkinsville (Kentucky)**  
 Water and Sewer Refunding Revenue Bonds  
 Series 1993

**Debt Service Schedule**

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
04/01/2004	-	-	-	-	-
06/30/2004	-	-	-	-	-
10/01/2004	297,413.94	4.620%	32,467.15	329,881.09	-
04/01/2005	-	-	25,596.89	25,596.89	-
04/02/2005	-	-	-	-	-
06/30/2005	-	-	-	-	355,477.98
10/01/2005	313,241.56	4.680%	25,596.89	338,838.45	-
04/01/2006	-	-	18,267.04	18,267.04	-
06/30/2006	-	-	-	-	357,105.49
10/01/2006	350,097.99	4.770%	18,267.04	368,365.03	-
04/01/2007	-	-	9,917.20	9,917.20	-
06/30/2007	-	-	-	-	378,282.23
10/01/2007	408,115.28	4.860%	9,917.20	418,032.48	-
04/01/2008	-	-	-	-	-
06/30/2008	-	-	-	-	418,032.48
<b>Total</b>	<b>\$1,368,868.77</b>	<b>-</b>	<b>\$140,029.41</b>	<b>\$1,508,898.18</b>	<b>-</b>

**Yield Statistics**

Bond Year Dollars	\$2,922.22
Average Life	2.135 Years
Average Coupon	4.7918883%
Net Interest Cost (NIC)	14.9695671%
True Interest Cost (TIC)	18.0718619%
Bond Yield for Arbitrage Purposes	4.7902768%
All Inclusive Cost (AIC)	18.0718619%

**IRS Form 8038**

Net Interest Cost	4.7918883%
Weighted Average Maturity	2.135 Years

City of Hopkinsville (Kentucky)

Water and Sewer Revenue Bonds

Series 1996

Debt Service Schedule

Part 1 of 2

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
04/01/2004	-	-	-	-	-
06/30/2004	-	-	-	-	-
10/01/2004	85,000.00	5.200%	43,193.75	128,193.75	-
04/01/2005	-	-	40,983.75	40,983.75	-
06/30/2005	-	-	-	-	169,177.50
10/01/2005	90,000.00	5.200%	40,983.75	130,983.75	-
04/01/2006	-	-	38,643.75	38,643.75	-
06/15/2006	-	-	-	-	-
06/30/2006	-	-	-	-	169,627.50
10/01/2006	95,000.00	5.200%	38,643.75	133,643.75	-
04/01/2007	-	-	36,173.75	36,173.75	-
06/30/2007	-	-	-	-	169,817.50
10/01/2007	100,000.00	5.200%	36,173.75	136,173.75	-
04/01/2008	-	-	33,573.75	33,573.75	-
06/30/2008	-	-	-	-	169,747.50
10/01/2008	105,000.00	5.250%	33,573.75	138,573.75	-
04/01/2009	-	-	30,817.50	30,817.50	-
06/30/2009	-	-	-	-	169,391.25
10/01/2009	115,000.00	5.300%	30,817.50	145,817.50	-
04/01/2010	-	-	27,770.00	27,770.00	-
06/30/2010	-	-	-	-	173,587.50
10/01/2010	120,000.00	5.450%	27,770.00	147,770.00	-
04/01/2011	-	-	24,500.00	24,500.00	-
06/30/2011	-	-	-	-	172,270.00
10/01/2011	125,000.00	5.600%	24,500.00	149,500.00	-
04/01/2012	-	-	21,000.00	21,000.00	-
06/30/2012	-	-	-	-	170,500.00
10/01/2012	135,000.00	5.600%	21,000.00	156,000.00	-
04/01/2013	-	-	17,220.00	17,220.00	-
06/30/2013	-	-	-	-	173,220.00
10/01/2013	140,000.00	5.600%	17,220.00	157,220.00	-
04/01/2014	-	-	13,300.00	13,300.00	-
06/30/2014	-	-	-	-	170,520.00
10/01/2014	150,000.00	5.600%	13,300.00	163,300.00	-
04/01/2015	-	-	9,100.00	9,100.00	-
06/30/2015	-	-	-	-	172,400.00
10/01/2015	160,000.00	5.600%	9,100.00	169,100.00	-
04/01/2016	-	-	4,620.00	4,620.00	-
06/30/2016	-	-	-	-	173,720.00
10/01/2016	165,000.00	5.600%	4,620.00	169,620.00	-
04/01/2017	-	-	-	-	-
06/30/2017	-	-	-	-	169,620.00
<b>Total</b>	<b>\$1,585,000.00</b>	<b>-</b>	<b>\$638,598.75</b>	<b>\$2,223,598.75</b>	<b>-</b>

**City of Hopkinsville (Kentucky)**

Water and Sewer Revenue Bonds

Series 1996

**Debt Service Schedule**

Part 2 of 2

**Yield Statistics**

Bond Year Dollars	\$11,542.50
Average Life	7.282 Years
Average Coupon	5.5325861%
Net Interest Cost (NIC)	6.2689950%
True Interest Cost (TIC)	6.5062804%
Bond Yield for Arbitrage Purposes	5.5239254%
All Inclusive Cost (AIC)	6.5062804%

**IRS Form 8038**

Net Interest Cost	5.5325861%
Weighted Average Maturity	7.282 Years

DD-C

**City of Hopkinsville (Kentucky)**  
**Water and Sewer Refunding Revenue Bonds**  
**Series 2002**

**Debt Service Schedule**

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
04/01/2004	-	-	-	-	-
06/30/2004	-	-	-	-	-
10/01/2004	910,000.00	2.300%	53,385.00	963,385.00	-
04/01/2005	-	-	42,920.00	42,920.00	-
06/30/2005	-	-	-	-	1,006,305.00
10/01/2005	925,000.00	2.800%	42,920.00	967,920.00	-
04/01/2006	-	-	29,970.00	29,970.00	-
06/30/2006	-	-	-	-	997,890.00
10/01/2006	930,000.00	3.100%	29,970.00	959,970.00	-
04/01/2007	-	-	15,555.00	15,555.00	-
06/30/2007	-	-	-	-	975,525.00
10/01/2007	915,000.00	3.400%	15,555.00	930,555.00	-
04/01/2008	-	-	-	-	-
06/30/2008	-	-	-	-	930,555.00
<b>Total</b>	<b>\$3,680,000.00</b>	<b>-</b>	<b>\$230,275.00</b>	<b>\$3,910,275.00</b>	<b>-</b>

**Yield Statistics**

Bond Year Dollars	\$7,370.00
Average Life	2.003 Years
Average Coupon	3.1244912%
Net Interest Cost (NIC)	15.4718453%
True Interest Cost (TIC)	19.3476306%
Bond Yield for Arbitrage Purposes	3.1201417%
All Inclusive Cost (AIC)	19.3476306%

**IRS Form 8038**

Net Interest Cost	3.1244912%
Weighted Average Maturity	2.003 Years

KENTUCKY INFRASTRUCTURE AUTHORITY  
1985J  
KOPKINSVILLE WATER ENVIRONMENT AUTHORITY  
LOAN 85-02

Water  
KIA Loan - Fund B

1.90% Rate  
\$109,712.19 P & I Calculation

Payment Date	Principal Due	Interest Due	Interest Rate	Principal & Interest	Servicing Fee	Credit Due	Total Payment	Principal Balance	R & M Reserve	Total Reserve
12/01/86	\$82,812.10	\$48,052.87	1.90%	\$130,864.97	\$5,000.00	\$0.00	\$135,864.97	\$5,200,000.00	\$0.00	\$0.00
06/01/87	\$82,800.21	\$48,003.98	1.90%	\$130,804.19	\$4,973.79	\$0.00	\$135,778.18	\$4,937,791.81	\$0.00	\$0.00
12/01/87	\$83,399.34	\$48,312.35	1.90%	\$131,711.69	\$4,973.79	\$0.00	\$136,685.48	\$4,811,584.37	\$0.00	\$0.00
06/01/88	\$84,002.19	\$48,710.08	1.90%	\$132,712.27	\$4,911.58	\$0.00	\$137,623.85	\$4,707,582.64	\$0.00	\$0.00
12/01/88	\$84,616.19	\$49,102.04	1.90%	\$133,714.23	\$4,849.27	\$0.00	\$138,563.50	\$4,609,972.48	\$0.00	\$0.00
06/01/89	\$85,233.65	\$44,488.24	1.90%	\$129,721.89	\$4,882.97	\$0.00	\$134,604.86	\$4,511,904.95	\$0.00	\$0.00
12/01/89	\$85,843.54	\$43,868.81	1.90%	\$129,712.35	\$4,817.75	\$0.00	\$134,530.10	\$4,415,904.95	\$0.00	\$0.00
06/01/90	\$86,460.09	\$43,243.10	1.90%	\$129,702.19	\$4,751.90	\$0.00	\$134,454.09	\$4,321,985.31	\$0.00	\$0.00
12/01/90	\$87,085.55	\$42,611.64	1.90%	\$129,692.19	\$4,686.44	\$0.00	\$134,377.63	\$4,231,385.31	\$0.00	\$0.00
06/01/91	\$87,721.06	\$41,974.19	1.90%	\$129,682.25	\$4,621.34	\$0.00	\$134,300.59	\$4,141,306.52	\$0.00	\$0.00
12/01/91	\$88,368.51	\$41,330.67	1.90%	\$129,672.18	\$4,556.22	\$0.00	\$134,223.41	\$4,051,384.55	\$0.00	\$0.00
06/01/92	\$89,027.14	\$40,681.05	1.90%	\$129,702.19	\$4,491.09	\$0.00	\$134,146.28	\$4,143,872.72	\$0.00	\$0.00
12/01/92	\$89,696.94	\$40,025.25	1.90%	\$129,721.19	\$4,425.94	\$0.00	\$134,069.13	\$4,054,148.78	\$0.00	\$0.00
06/01/93	\$90,378.87	\$39,363.23	1.90%	\$129,740.10	\$4,360.78	\$0.00	\$134,091.52	\$4,062,131.48	\$0.00	\$0.00
12/01/93	\$91,071.29	\$38,694.91	1.90%	\$129,758.20	\$4,295.61	\$0.00	\$134,013.59	\$4,069,880.50	\$0.00	\$0.00
06/01/94	\$91,774.94	\$38,020.25	1.90%	\$129,776.19	\$4,230.44	\$0.00	\$133,935.15	\$4,077,499.54	\$0.00	\$0.00
12/01/94	\$92,490.28	\$37,348.18	1.90%	\$129,838.46	\$4,165.27	\$0.00	\$133,856.19	\$4,085,005.37	\$0.00	\$0.00
06/01/95	\$93,218.58	\$36,667.69	1.90%	\$129,886.27	\$4,100.10	\$0.00	\$133,776.37	\$4,092,451.24	\$0.00	\$0.00
12/01/95	\$93,959.50	\$35,978.52	1.90%	\$129,934.02	\$4,034.93	\$0.00	\$133,695.89	\$4,099,784.40	\$0.00	\$0.00
06/01/96	\$94,713.63	\$35,284.69	1.90%	\$129,981.32	\$3,969.76	\$0.00	\$133,614.56	\$4,106,952.84	\$0.00	\$0.00
12/01/96	\$95,481.48	\$34,582.52	1.90%	\$130,028.00	\$3,904.59	\$0.00	\$133,532.59	\$4,113,955.25	\$0.00	\$0.00
06/01/97	\$96,263.55	\$33,872.19	1.90%	\$130,074.74	\$3,839.42	\$0.00	\$133,450.12	\$4,120,886.74	\$0.00	\$0.00
12/01/97	\$97,060.46	\$33,153.18	1.90%	\$130,121.64	\$3,774.25	\$0.00	\$133,367.39	\$4,127,744.09	\$0.00	\$0.00
06/01/98	\$97,873.87	\$32,426.01	1.90%	\$130,168.88	\$3,709.08	\$0.00	\$133,284.31	\$4,134,525.40	\$0.00	\$0.00
12/01/98	\$98,704.37	\$31,691.52	1.90%	\$130,216.89	\$3,643.91	\$0.00	\$133,200.80	\$4,141,226.30	\$0.00	\$0.00
06/01/99	\$99,552.44	\$30,948.25	1.90%	\$130,265.69	\$3,578.74	\$0.00	\$133,117.06	\$4,147,847.54	\$0.00	\$0.00
12/01/99	\$100,418.71	\$30,195.88	1.90%	\$130,315.59	\$3,513.57	\$0.00	\$133,032.12	\$4,154,381.42	\$0.00	\$0.00
06/01/00	\$101,302.87	\$29,434.11	1.90%	\$130,367.98	\$3,448.40	\$0.00	\$132,946.58	\$4,160,829.84	\$0.00	\$0.00
12/01/00	\$102,204.74	\$28,663.52	1.90%	\$130,422.26	\$3,383.23	\$0.00	\$132,860.33	\$4,167,190.17	\$0.00	\$0.00
06/01/01	\$103,124.01	\$27,884.49	1.90%	\$130,478.50	\$3,318.06	\$0.00	\$132,773.44	\$4,173,371.61	\$0.00	\$0.00
12/01/01	\$104,060.48	\$27,097.52	1.90%	\$130,535.00	\$3,252.89	\$0.00	\$132,685.89	\$4,179,373.50	\$0.00	\$0.00
06/01/02	\$105,013.45	\$26,292.61	1.90%	\$130,592.06	\$3,187.72	\$0.00	\$132,597.34	\$4,185,195.84	\$0.00	\$0.00
12/01/02	\$106,082.81	\$25,478.86	1.90%	\$130,649.67	\$3,122.55	\$0.00	\$132,508.22	\$4,190,838.62	\$0.00	\$0.00
06/01/03	\$107,168.17	\$24,656.77	1.90%	\$130,707.94	\$3,057.38	\$0.00	\$132,418.56	\$4,196,294.94	\$0.00	\$0.00
12/01/03	\$108,270.44	\$23,826.86	1.90%	\$130,766.30	\$3,000.21	\$0.00	\$132,327.79	\$4,201,567.19	\$0.00	\$0.00
06/01/04	\$109,389.71	\$22,988.63	1.90%	\$130,825.34	\$2,943.04	\$0.00	\$132,235.70	\$4,206,654.89	\$0.00	\$0.00
12/01/04	\$110,526.08	\$22,142.56	1.90%	\$130,885.64	\$2,885.87	\$0.00	\$132,143.27	\$4,211,568.16	\$0.00	\$0.00
06/01/05	\$111,680.65	\$21,288.25	1.90%	\$130,947.90	\$2,828.70	\$0.00	\$132,050.50	\$4,216,306.66	\$0.00	\$0.00
12/01/05	\$112,852.42	\$20,425.28	1.90%	\$131,012.70	\$2,771.53	\$0.00	\$131,957.17	\$4,220,878.19	\$0.00	\$0.00
06/01/06	\$114,041.59	\$19,554.21	1.90%	\$131,079.80	\$2,714.36	\$0.00	\$131,863.44	\$4,225,292.53	\$0.00	\$0.00
12/01/06	\$115,248.16	\$18,677.84	1.90%	\$131,149.00	\$2,657.19	\$0.00	\$131,769.21	\$4,229,543.32	\$0.00	\$0.00
06/01/07	\$116,471.43	\$17,792.99	1.90%	\$131,220.43	\$2,600.02	\$0.00	\$131,674.58	\$4,233,633.80	\$0.00	\$0.00
12/01/07	\$117,711.50	\$16,900.06	1.90%	\$131,294.56	\$2,542.85	\$0.00	\$131,579.73	\$4,237,566.53	\$0.00	\$0.00
06/01/08	\$118,968.47	\$16,000.65	1.90%	\$131,371.12	\$2,485.68	\$0.00	\$131,484.05	\$4,241,351.48	\$0.00	\$0.00
12/01/08	\$120,242.34	\$15,094.28	1.90%	\$131,450.62	\$2,428.51	\$0.00	\$131,387.11	\$4,245,000.59	\$0.00	\$0.00
06/01/09	\$121,533.11	\$14,180.43	1.90%	\$131,532.54	\$2,371.34	\$0.00	\$131,289.77	\$4,248,514.86	\$0.00	\$0.00
12/01/09	\$122,840.78	\$13,259.68	1.90%	\$131,617.46	\$2,314.17	\$0.00	\$131,191.60	\$4,251,906.46	\$0.00	\$0.00
06/01/10	\$124,165.45	\$12,331.93	1.90%	\$131,705.39	\$2,256.99	\$0.00	\$131,092.61	\$4,255,163.55	\$0.00	\$0.00
12/01/10	\$125,507.12	\$11,407.78	1.90%	\$131,797.90	\$2,200.00	\$0.00	\$131,000.00	\$4,258,283.55	\$0.00	\$0.00
06/01/11	\$126,864.89	\$10,487.63	1.90%	\$131,894.53	\$2,143.23	\$0.00	\$130,913.77	\$4,261,276.78	\$0.00	\$0.00
12/01/11	\$128,237.76	\$9,569.98	1.90%	\$131,995.74	\$2,086.46	\$0.00	\$130,832.31	\$4,264,144.09	\$0.00	\$0.00
06/01/12	\$129,625.83	\$8,655.33	1.90%	\$132,101.16	\$2,029.69	\$0.00	\$130,755.62	\$4,266,886.71	\$0.00	\$0.00
12/01/12	\$131,029.10	\$7,744.18	1.90%	\$132,210.28	\$1,972.92	\$0.00	\$130,683.70	\$4,269,503.41	\$0.00	\$0.00
06/01/13	\$132,447.67	\$6,835.03	1.90%	\$132,323.70	\$1,916.15	\$0.00	\$130,616.55	\$4,271,986.86	\$0.00	\$0.00
12/01/13	\$133,881.54	\$5,927.78	1.90%	\$132,441.32	\$1,859.38	\$0.00	\$130,553.17	\$4,274,336.03	\$0.00	\$0.00
06/01/14	\$135,330.71	\$5,022.93	1.90%	\$132,563.64	\$1,802.61	\$0.00	\$130,493.56	\$4,276,549.59	\$0.00	\$0.00
12/01/14	\$136,795.18	\$4,120.08	1.90%	\$132,691.26	\$1,745.84	\$0.00	\$130,437.72	\$4,278,627.31	\$0.00	\$0.00
06/01/15	\$138,274.95	\$3,218.93	1.90%	\$132,824.88	\$1,689.07	\$0.00	\$130,385.65	\$4,280,569.28	\$0.00	\$0.00
12/01/15	\$139,769.12	\$2,319.68	1.90%	\$132,964.80	\$1,632.30	\$0.00	\$130,337.35	\$4,282,376.63	\$0.00	\$0.00
06/01/16	\$141,277.89	\$1,422.53	1.90%	\$133,111.43	\$1,575.53	\$0.00	\$130,292.82	\$4,284,051.45	\$0.00	\$0.00
12/01/16	\$142,799.26	\$50.00	1.90%	\$133,264.26	\$1,518.76	\$0.00	\$130,251.06	\$4,285,592.51	\$0.00	\$0.00
06/01/17	\$144,333.33	\$0.00	1.90%	\$133,423.33	\$1,462.00	\$0.00	\$130,211.06	\$4,287,004.51	\$0.00	\$0.00
12/01/17	\$145,880.10	\$0.00	1.90%	\$133,587.10	\$1,405.23	\$0.00	\$130,172.83	\$4,288,287.28	\$0.00	\$0.00
06/01/18	\$147,439.57	\$0.00	1.90%	\$133,756.57	\$1,348.46	\$0.00	\$130,136.37	\$4,289,441.65	\$0.00	\$0.00
12/01/18	\$149,011.74	\$0.00	1.90%	\$133,931.74	\$1,291.69	\$0.00	\$130,101.68	\$4,290,476.34	\$0.00	\$0.00
06/01/19	\$150,596.61	\$0.00	1.90%	\$134,112.61	\$1,234.92	\$0.00	\$130,068.76	\$4,291,391.30	\$0.00	\$0.00
12/01/19	\$152,194.78	\$0.00	1.90%	\$134,300.38	\$1,178.15	\$0.00	\$130,037.61	\$4,292,198.91	\$0.00	\$0.00
06/01/20	\$153,805.25	\$0.00	1.90%	\$134,494.63	\$1,121.38	\$0.00	\$130,008.23	\$4,292,899.14	\$0.00	\$0.00
12/01/20	\$155,428.02	\$0.00	1.90%	\$134,695.65	\$1,064.61	\$0.00	\$129,980.62	\$4,293,489.76	\$0.00	\$0.00
06/01/21	\$157,063.09	\$0.00	1.90%	\$134,903.74	\$1,007.84	\$0.00	\$129,954.78	\$4,293,971.50	\$0.00	\$0.00
12/01/21	\$158,710.46	\$0.00	1.90%	\$135,118.20	\$1,000.00	\$0.00	\$129,930.78	\$4,294,344.28	\$0.00	\$0.00
06/01/22	\$160,370.13	\$0.00	1.90%	\$135,339.33	\$1,000.00	\$0.00	\$129,908.78	\$4,294,608.06	\$0.00	\$0.00
12/01/22	\$162,042.10	\$0.00	1.90%	\$135,567.43	\$1,000.00	\$0.00	\$129,888.78	\$4,294,776.84	\$0.00	\$0.00
06/01/23	\$163,726.47	\$0.00	1.90%	\$135,802.90	\$1,000.00	\$0.00	\$129,869.78	\$4,294,850.62	\$0.00	\$0.00
12/01/23	\$165,423.34	\$0.00	1.90%	\$136,045.24	\$1,000.00	\$0.00	\$129,851.78	\$4,294,839.84	\$0.00	\$0.00
06/01/24	\$167,132.71	\$0.00	1.90%	\$136,294.55	\$1,000.00	\$0.00	\$129,834.78	\$4,294,745.06	\$0.00	\$0.00
12/01/24	\$168,853.58	\$0.00	1.90%	\$136,550.84	\$1,000.00	\$0.00	\$129,818.78	\$4,294,566.28	\$0.00	\$0.00
06/01/25	\$170,585.95	\$0.00	1.90%	\$136,814.13	\$1,000.00	\$0.00	\$129,803.78	\$4,294,292.50	\$0.00	\$0.00
12/01/2										



Black & Veatch

TELEPHONE MEMORANDUM

Client HWSEA  
Project \_\_\_\_\_  
Subject \_\_\_\_\_

B&V Project \_\_\_\_\_  
B&V File \_\_\_\_\_  
Date 2/8  
Time \_\_\_\_\_

To/From: Ell's Joiner  
Company: \_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Recorded by: A White

Call from Ell's. HWSEA is currently making  
payments to CCWS re over-charges.

Total amount to be paid \$192,533.70  
or 16,049.98 / month

12/04 - 6/05 = 16,049.98 x 7 = \$112,311.33  
7/05 - 11/05 = 16,049.98 x 5 = \$80,224.90

~~(\*)~~ This needs to be added to cash flow

cc: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

P-GN-277A FOR HANDWRITTEN MEMORANDA ONLY