-		nentation Plan - SSO All ost estimates are provided in		-	February 20	16												ESIGN TRUCTION	
-			Design Cost	Construction	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Project Capital Cos
_		Project Name East Hickman FM <sup>1</sup>	Estimate <sup>9</sup> \$860,000	Cost Estimate \$9,210,000	Year 0	Year 1	Year 2	Year 3	Year 4 \$860,000	Year 5 \$4,605,000	Year 6 \$4,605,000	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Estimate \$10,070,
2		East Hickman PS East Hickman WWS Tank	\$1,190,000 \$1,540,000	\$13,110,000 \$16,520,000				\$595,000 \$770,000	\$595,000 \$770,000	\$6,555,000 \$8,260,000	\$6,555,000 \$8,260,000								\$14,300 \$18,060
4		Overbrook Farm FM <sup>1</sup>	\$120,000	\$1,080,000				<i>\$110,000</i>	\$770,000	¥0,200,000	ψ0,200,000		\$120,000	\$1,080,000					\$1,200
		Overbrook Farm PS <sup>1</sup>	\$520,000	\$5,300,000								\$520,000	\$2,650,000	\$2,650,000					\$5,820
		Overbrook Farm Trunk <sup>1</sup> Delong Road PS & FM <sup>1</sup>	\$420,000 \$290,000	\$4,250,000 \$2,840,000									\$420,000	\$4,250,000 \$290,000	\$1,420,000	\$1,420,000			\$4,670 \$3,130
		Armstrong Mill Trunks <sup>1</sup>	\$100,000	\$870,000											\$100,000	\$870,000			\$970
		Hartland 2 & 3 Trunks <sup>1</sup>	\$170,000	\$1,580,000											\$170,000	\$1,580,000			\$1,750
10		Hartland 1 Trunk <sup>1</sup> Eliminate East Lake PS	\$120,000 \$70,000	\$1,020,000 \$560,000						\$70,000	\$560,000				\$120,000	\$1,020,000			\$1,140 \$630 \$1,550
12		Century Hills Trunk Upsize East Lake Trunk Upsize	\$150,000 \$80,000	\$1,400,000 \$700,000	\$150,000 \$80,000	\$1,400,000 \$700.000													\$1,550 \$780
14	14 A	Autumn Ridge Trunk Upsize	\$100,000	\$900,000	\$00,000	\$700,000											\$100,000	\$900,000	\$1,000
18	15 E	Expansion Area #1 Property Acquisition 1 EH Totals =	\$1,110,000 \$6.840.000	\$- \$59.340.000	\$230.000	\$2,100,000	\$0	\$1,365,000	\$2,225,000	\$19.490.000	\$19.980.000	\$1,110,000 \$1,630,000	\$3.190.000	\$8.270.000	\$1.810.000	\$4.890.000	\$100.000	\$900.000	\$1,11 \$66.18
		WH7 WWS Tank	\$1,630,000	\$17,460,000				\$1,630,000	\$8,730,000	\$8,730,000	+,,	+ ,,	+-,,	+-,,	+ ,, ,	+ .,,	+;	+;	\$19,090
2		West Hickman Main Trunk A West Hickman Main Trunk B	\$380,000 \$560,000	\$3,800,000 \$5,780,000	\$380,000	\$2,850,000	\$950,000	\$560,000	\$5,780,000										\$4,180 \$6,340
	4 V	West Hickman Main Trunk C	\$440,000	\$4,400,000				\$440,000	\$4,400,000										\$4,840
5		Landsdowne South Trunk West Hickman Main Trunk D	\$330,000 \$370,000	\$3,220,000 \$3,660,000						\$330,000 \$370,000	\$3,220,000 \$3,660,000								\$3,550 \$4,030
_		Merrick Trunk	\$360,000	\$3,520,000											\$360,000	\$3,520,000	<b>\$1</b> ,100,000		\$3,880
		Ecton Trunk Southeastern Hills Trunk	\$150,000 \$210,000	\$1,400,000 \$1,930,000								\$210,000	\$1,930,000			\$150,000	\$1,400,000		\$1,55 \$2,14
		West Hickman Main Trunk E West Hickman Main Trunk F	\$750,000 \$450,000	\$7,950,000 \$4,500,000										\$750,000	\$7,950,000	\$4.500.000			\$8,700 \$4.950
		Sutherland Trunk	\$450,000	\$4,500,000 \$1,640,000											\$450,000	\$4,500,000	\$180,000	\$1,640,000	\$4,950
		dle Hour Trunk Centre Parkway Trunk	\$80,000 \$100,000	\$700,000 \$850,000	\$80,000	\$700,000											\$100,000	\$850.000	\$780 \$950
15	15 T	The Island Trunks	\$100,000	\$890,000													\$100,000	\$850,000 \$890,000	\$990
		Woodhill Trunk Prather Road Trunk	\$290,000 \$200,000	\$2,790,000 \$1,870,000	\$290,000	\$2,092,500	\$697,500										\$200,000	\$1,870,000	\$3,080
18	18 R	Richmond Road Trunk	\$170,000	\$1,530,000													\$170,000	\$1,530,000	\$1,700
		Wildwood Park Trunk WH WWTP WWS Tank <sup>2</sup>	\$110,000 \$10,130,000	\$1,010,000 \$108,610,000			\$3,360,000	\$3,360,000	\$36,200,000	\$36,200,000			\$110,000 \$3,380,000	\$1,010,000 \$18,110,000	\$18,110,000				\$1,120 \$118,740
		WH WWTP Reliability Upgrades <sup>8</sup>	\$3,970,000	\$21,889,000		\$3,415,000	\$75,000	\$0	\$3,869,000	\$5,364,000	\$2,803,000	\$3,761,000	\$2,950,000	\$635,000	\$1,414,000	\$725,000	\$1,115,000	\$625,000	\$25,859
1	1 1	WH Totals = Wolf Run Main Trunk A	\$20,960,000 \$210,000	\$199,399,000 \$1,990,000	\$750,000 \$210,000	<b>\$9,057,500</b> \$990,000	\$5,082,500 \$1,000,000	\$5,990,000	\$58,979,000	\$50,994,000	\$9,683,000	\$3,971,000	\$8,370,000	\$20,505,000	\$28,284,000	\$8,895,000	\$3,265,000	\$7,405,000	\$220,359, \$2,200
2	2 V	Wolf Run Main Trunk B	\$230,000	\$2,180,000	\$210,000	4000,000	\$1,000,000		\$230,000	\$2,180,000	<b>6</b> 4 4 40 000								\$2,410
4	4 W	Wolf Run Main Trunk C Wolf Run Main Trunk D	\$420,000 \$190,000	\$4,140,000 \$1,730,000					\$420,000	\$3,000,000	\$1,140,000	\$190,000	\$1,730,000						\$4,560 \$1,920
5		Wolf Run Main Trunk E Wolf Run Main Trunk F	\$230,000 \$260,000	\$2,140,000 \$2,460,000								\$230,000	\$2,140,000 \$260,000	\$2,460,000					\$2,370 \$2,720
	7 V	Wolf Run Main Trunk G	\$220,000	\$1,990,000		<b>\$740,000</b>	<b>6</b> 0 0 <b>7</b> 0 000	<b>*</b> 0.070.000					\$200,000	\$220,000	\$1,990,000				\$2,210
9	9 P	Volf Run WWS Tank Parkers Mill Trunk	\$740,000 \$190,000	\$7,940,000 \$1,770,000		\$740,000	\$3,970,000	\$3,970,000						\$190,000	\$1,770,000				\$1,960
		Bob O Link Trunk Wolf Run Pump Station	\$190,000 \$-	\$1,650,000 \$9,500,000	\$190,000 \$4,750,000	\$1,650,000 \$4,750,000													\$1,840 \$9,500
		WR Totals =	\$2,880,000 \$3,120,000	\$37,490,000 \$33,440,000	\$5,150,000	\$8,130,000 \$2,000,000	\$4,970,000 \$11,146.667	\$3,970,000 \$11,146.667	<b>\$650,000</b> \$11,146,667	\$5,180,000	\$1,140,000	\$420,000	\$4,130,000	\$2,870,000	\$3,760,000	\$0	\$0	\$0	\$40,370 \$36,560
2	2 E	Expansion Area 3 PS	\$720,000	\$6,980,000		\$2,000,000	\$11,140,007	\$720,000	\$3,490,000	\$3,490,000									\$7,700
		Expansion Area 3 FM Expansion Area 3 Trunk	\$430,000 \$550,000	\$3,370,000 \$4,840,000				\$430,000	\$1,685,000 \$550,000	\$1,685,000 \$4,840,000									\$3,800 \$5,390 \$2,310
		Shandon Park Trunks Winburn Trunk	\$260,000 \$140,000	\$2,050,000 \$980,000					\$260,000 \$140,000	\$2,050,000 \$980,000									\$2,310 \$1,120
	7 T	Thoroughbred Acres Trunk	\$170,000	\$1,600,000					\$170,000	\$1,600,000	<b>\$</b> 050,000	¢050.000							\$1,770
9	9 L	Sharon Village PS and FM _ower Griffin Gate Trunk	\$220,000 \$90,000	\$1,900,000 \$770,000		\$90,000				\$220,000 \$770,000	\$950,000	\$950,000							\$2,120
		Upper Cane Run WWS Tank Cane Run Trunk	\$500,000 \$180,000	\$3,980,000 \$1,700,000						\$180.000	\$1.700.000	\$500,000	\$3,980,000						\$4,48 \$1,88
12	12 L	Lexmark Trunk A	\$160,000	\$1,480,000							\$160,000	\$1,480,000 \$960,000							\$1,640 \$1,070
14	14 N	New Circle Trunk A	\$110,000 \$390,000	\$960,000 \$3,920,000							\$110,000	\$960,000 \$390,000	\$3,920,000						\$4,31
		New Circle Trunk B Griffin Gate Rehab <sup>3</sup>	\$280,000 \$-	\$2,700,000 \$-									\$280,000	\$2,700,000					\$2,98
		CR Totals =	\$7,320,000	\$70,670,000	\$0		\$11,146,667	\$12,296,667	\$17,441,667	\$15,815,000	\$2,920,000	\$4,280,000	\$8,180,000	\$2,700,000	\$0	\$0	\$0	\$0	\$77,990
		Town Branch WWTP WWS Tank <sup>9</sup> Town Branch PS Replacement	\$9,770,000 \$100,000	\$102,130,000 \$830,000	\$2,442,500	\$2,442,500	\$20,280,000	\$20,280,000		\$100,000	\$830,000				\$4,885,000	\$30,785,000	\$30,785,000		\$111,90 \$93
3	3 T	Tie-in Lower Cane Run FM	\$20,000	\$160,000		\$20,000		\$160,000 \$270,000	¢0.500.000										\$18
		JK Trunk A JK Trunk B (Newtown Pike Extension) <sup>4</sup>	\$270,000 \$-	\$2,560,000 \$-				\$270,000	\$2,560,000										\$2,83
6	6 U	JK Trunk C	\$150,000	\$1,380,000						\$150,000	\$1,380,000								\$1,53
7	8 U	JK Trunk D JK Trunk E	\$240,000 \$290,000	\$2,330,000 \$2,850,000							\$240,000 \$290,000	\$2,330,000 \$2,850,000							\$2,57 \$3,14
-	9 G	Georgetown Road Trunk Midland Avenue Trunk	\$10,000 \$320,000	\$100,000 \$3,120,000										\$320.000	\$2,420,000	\$10,000	\$100,000		\$11 \$3,44
		TB WWTP Reliability Upgrades <sup>8</sup>	\$320,000	\$3,120,000		\$2,500,000	\$1,481,000	\$2,853,000	\$3,141,000	\$4,645,000	\$2,815,000	\$2,678,000	\$2,900,000	\$320,000 \$586,000	\$3,120,000 \$441,000	\$1,573,000	\$1,497,000	\$240,000	\$3,44
		TB Totals =	\$13,525,000	\$140,455,000	\$2,442,500	\$4,962,500	\$21,761,000	\$23,563,000	\$5,701,000	\$4,895,000	\$5,555,000	\$7,858,000	\$2,900,000	\$906,000	\$8,446,000	\$32,368,000	\$32,382,000	\$240,000	\$153,98
2		North Elkhorn PS WWS Tank Eastland Trunk	\$880,000 \$160,000	\$9,420,000 \$1,340,000										\$160,000	\$1,340,000		\$880,000	\$9,420,000	\$10,30 \$1,50
3	3 L	Liberty Road Trunk Greenbrier #2 PS	\$290,000 \$170,000	\$2,740,000 \$1,040,000								\$290,000	\$2,740,000			¢170.000	\$1,040,000		\$3,03 \$1,21
		Greenbrier #2 PS Greenbrier Trunk	\$170,000 \$30,000	\$1,040,000 \$260,000												\$170,000 \$30,000	\$1,040,000 \$260,000		\$1,21
6	6 F	Floyd Drive Rehab <sup>5</sup>	\$- ¢	\$- \$9 910 000		\$1 405 000													
/	/ [E	Expansion Area 2A Projects NE Totals =	\$- \$1,530,000	\$8,810,000 <b>\$23,610,000</b>	\$4,405,000 <b>\$4,405,000</b>	\$4,405,000 <b>\$4,405,000</b>	\$0	\$0	\$0	\$0	\$0	\$290,000	\$2,740,000	\$160,000	\$1,340,000	\$200,000	\$2,180,000	\$9,420,000	
1		South Elkhorn PS Upsize <sup>6</sup> Mint Lane Trunk	\$80,000 \$120,000	\$690,000 \$1,050,000				\$80,000	\$690,000							\$120.000	\$1.050.000		\$770 \$1,170
		Vint Lane PS	\$490,000	\$3,920,000												\$490,000	\$3,920,000		\$4,410
	_	SE Totals =	\$690,000	\$5,660,000				\$80,000	\$690,000							\$610,000	\$4,970,000		\$6,35

<sup>1</sup> Projects requiring property acquisition in Expansion Area #1 display the preliminary study/easement acquisition to be a separate project. For all other projects, these elements are included in the design cost estimate.
 <sup>2</sup> West Hickman WWTP WWS Tank is expected to be constructed in phases (i.e. multiple storage bays) over the 6-year construction period shown in the schedule.
 <sup>3</sup> The Griffin Gate Rehab project is being funded through LFUCG's annual rehabilitation program.
 <sup>4</sup> The Newtown Pike Extension project is being funded as part of the a roadway project and costs are not included in the totals.

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