From Lee Ortho Cost & of 80K. (Split Chys? FYZ piece

SPREADSHEET NOTES:

Attached are two spreadsheets that split the Harlan County Dam COE's O&M charges between the two Bostwick Districts.

NOTE:

The Corp of Engineer's O&M charges for Harlan County Dam are split between the two Bostwick Districts based on total annual diversions by each District. The annual diversions as shown are from the Annual Operating Plan (Table 6). These reported diversions include all water available to the Districts, including natural flow and storage from Lovewell and Harlan County dams.

The spreadsheet is used to determine percentage splits between the Districts based on a three year running average, for example – actual diversions for years 2003 through 2005 are the basis for the 26% NE Bostwick and 74% Kansas Bostwick that are used for splitting the 2007 calendar year O&M charges.

On each of the spreadsheets the actual annual diversions for each of the Districts are shown through and including water years 2005.

SPREADSHEET EXAMPLE 1:

This spreadsheet is based on NE Bostwick being shown as not diverting any water in 2006. This spreadsheet shows all Bostwick Division water being diverted by KS Bostwick. The amount of 46,600 acre feet is based on assumption of 2006 water equal to 2005 plus release of all storage in Harlan County (about 15,700 acre feet). (Note—numbers won't exactly add up because of system losses to diversion measuring point.) Estimates for 2007 and 2008 have to be included to determine outyear impacts due to 3 year running average. Estimates for 2007 and 2008 are assumed to equal 2005 diversions for both Districts. This accounting results in NE Bostwick having 9.1% to 8.4% split in years 2008 through 2010. (Note: The accounting for 2006 water has no effect to O&M split for years 2006 and 2007.)

SPREADSHEET EXAMPLE 2:

This spreadsheet is based on NE Bostwick being shown as diverting all water available to NE Bostwick in 2006. The amount of 13,800 acre feet for NE Bostwick is based on assumption of 2006 water equal to 2005 plus release of Harlan County storage available to NE Bostwick (about 10,100 acre feet). The amount of 32,800 acre feet for KS Bostwick is based on assumption of 2006 water equal to 2005 plus release of Harlan County storage available to KS Bostwick (about 5,600 acre feet). (Note – numbers won't exactly add up because of system losses to diversion measuring point.) Estimates for 2007 and 2008 have to be included to determine outyear impacts due to 3 year running average. Estimates for 2007 and 2008 are assumed to equal 2005 diversions for both Districts. This accounting results in NE Bostwick having 21% to 20.8% split in years

2008 through 2010. (Note: The accounting for 2006 water has no effect to O&M split for years 2006 and 2007.)

2

Following are actual COE's O&M charges that are split between the Bostwick Districts for years 2003 and 2004; and estimates for years 2005 and 2006:

Actual 2003 = \$151,056

Actual 2004 = \$142,323

Estimated 2005 = \$172,400

Estimated 2006 = \$161,175

For 2007 assume \$5,000 increase = \$166,000

For 2008 assume \$5,000 increase = \$171,000

For 2009 assume \$5,000 increase = \$176,000

For 2010 assume \$5,000 increase = \$181,000

NE BOSTWICK'S SHARE OF COE'S O&M CHARGES:

*	EXAMPLE 1	EXAMPLE 2	DIFFERENCE
2008: (\$171K)	9.1% = \$15,600	21% = \$35,900	\$20,300
2009: (\$176K)	8.4% = \$14,800	20.8% = \$36,600	\$21,800
2010: (\$181K)	8,4% = \$15,200	20.8% = \$37,600 TOTAL	\$22,400 \$64,500

KS BOSTWICK'S SHARE OF COE'S O&M CHARGES:

	EXAMPLE 1	EXAMPLE 2	DIFFERENCE
2008: (\$171K)	90.9% = \$155,400	79.0% = \$135,100	\$20,300
2009: (\$176K)	91.6% = \$161,200	79.2% = \$139,400	\$21,800
2010: (\$181K)	91.6% = \$165,800	79.2% = \$143,400 TOTAL	\$22,400 \$64,500

NOTE: These are estimated amounts, only intended to provide general understanding of potential impacts to both Districts based on water accounting and division of O&M charges.

EXAMPLE 1

COST DISTRIBUTION PERCENTAGES

Corps of Engineers HARLAN COUNTY DAM

	asn L	510	Teal	:	;	0 60 1 1 6 2 10 3 16 6 16 6 16 6 16 6 16 6 16 6 16 6 16	1	-	COLUMN CO	;	1	or first of the trace trace trace or trace or tr	1	1984	1985	1986	1987	1988	1989	1990	1931	1992	1993	1994	1995		a diag at tag a gar a gar a gar a diag at tag at tag at tag	1998		1	2001		P1 6 12.5 6 0 12.5 0 12.5 0 12.5 0 12.6 1 12.6 1 12.6 1 12.6	2004	2005	100000000000000000000000000000000000000		2008	5003	ender friede friede star 4 star 4 star 5 star 6 star 6 sta
	Distribution	er af ogi er af ogi er af og er af og e	Kansas		;	53.4%	56.4%	89.09	60.9%	60.5%	60.2%	60.3%	62.3%	62.2%	62.9%	8.09	58.4%	92.8%	25.6%	57.4%	58.8%	61.0%	62.0%				97	57.6%		59.2%		28.6%	%0.69	%0.09	62.2%	454		%6 ⁰⁶	10 10 10 10 10 10 10 10	
6-9 (-I	Percentage		Nebraska	1	-	46.6%	43.6%	39.4%	98.1%	39.5%	39.8%	39.7%	37.7%	37.8%	37.1%	39.2%	41.6%	44.2%	44.4%		41.2%		38.0%	39.4%	42.0%	44.6%	42.6%	42.4%	41.7%	40.8%	41.3%	41.4%	741.0%	40.0%	37.8%	33.4%	26.0%	9.1%	d ab	1
	3-Year	ejo	Diversions	-	1	339,948	372,918	446,005	409,254	398,235	311,289	350,560	309,772	325,639	322,991	385,381	391,053	382,649	354,197	394,808	384 164	392,395	344,003	272,643	198,157	220,538	917,164	387,610	388,796	374.868	392,122	427,605	420,039	400,576	319,390	235,777	151,172	115,805	11,584	1111584
The second secon	Total	Anna	Diersions	99,414	104,204	136,330	132,384	177,291	99,579	121,365	90,345	138,850	80,577	106,212	136,202	142,967	111,884	127 798	114,515	152,495	117,154	122,746	104,103	45,794	48,260	126,484	142 420	118,706	127,670	128,492	135,960	163,153	120,926	116,497	81,967	36,713	32,492	46,600	32,492	32,492
KN62	3769	Total	Diversions	1	-	181,462	210,335	270,106	249 333	240,768	187,289	211,426	193,078	202,587	203 061	234 492	228,387	213,556	196,798	226,674	225,955	239,530	213,433	165,342	114,975	122,142	181,948	223,348	226,620	221,861	230,082	250,694	248,024	240,495	198,525	156,738	111,884	105,293	102,160	102,150
Kansas-Bostwick	8	B. W.	Diversions	50,701	50,635	80,126	79,574	110,406	59,353	71,009	56,927	83,490	52,661	66,436	83,964	84 092	60,331	69.133	67,334	90,207	68,414	606'08	64,110	20,323	30,542	71,277	80,129	71,942	74,549	10/28/370	80,163	95,161	72,700	72,634	53,191	30,913	27,780	46,600	27,780	27,780
1-33	3.Year		Diversions	:	1	158,486	162.583	175,899	159 921	157,467	124,000	139,134	116,694	123,052	119 930	150,889	162,666	169,093	157,399	168,134	158,209	152,865	130,570	107,301	83,182	966,396	135,216	164,262	162,176	153,007	162,040	176,911	172,015	160,081	120,865	78,439	39,288	10,512	9,424	9,424
Bostwick in Nebraska		Annual	Diversions	48,713	53.569	56.204	52.810	66,885	40,226	50,356	33,418	55,360	27,916	39,776	52,238	58,875	51,553	58 665	47,181	62,288	48.740	41,837	39,993	25,471	17,718	55,207	62,291	46,764	53,121	53,122	55,797	67,992	48,226	43,863	28,776	5,800	4,712	0.11	4,712	4,712
Revised. Itzurzood	del agdin original denominal orig	that the same of t	Year	1972	1973	1974	Ŧ	1976	7.6	1	1979	1980	.1	1982	1983		1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	. 5003	2007	2005	est 2006	est 2007	est 2008

EXAMPLE 2

COST DISTRIBUTION PERCENTAGES

Corps of Engineers HARLAN COUNTY DAM

The state of the s	第二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	: ::::;
3.769	3 Year	3 Year 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Amual	Total	Total
Diversions	Diversions - Diversions	Diversions - Diversions
	r f	r f
	1	1
56,204	56,204	158,486
	162,583	162,583
175,899	175,899	175,899
	128,851	128,851
157,467	157,467	157,467
	124,000	124,000
446 604	446.604	446.604
_	123,053	123,053
149930	14/9930	14/9930
150.889	150.889	150.889
162,666	162,668	162,668
189093	660,694	660,694
47.181 157.399 67.334	157.399	157.399
168,134	168.134	168.134
158,209	158 209	158 209
152,865	152,865	152,865
130,570	130,570	130,570
107,301	107,301	107,301
	83,182	83,182
98'36	98'36	98'36
1135,216	111111111111111111111111111111111111111	111111111111111111111111111111111111111
164,262	164,262	164,262
162,176	162,176	162,176
	153,007	153,007
162,040	162,040	162,040
176,911	176,911	176,911
	160,081	160,081
120,865	120,865	120,865
F 10 21 C 2 2 C 2 2 C 3 2 C 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	78 439	78 439
39.288	39.288	39.288
300	W. 24/312	W. 24/312
23.994	23.994	KCD CC
76686		
	23.224	id dileger let, managing the let and the transition of the friend of the friend of the

j.