Item 6 – Agricultural Irrigation Use Estimates

David Stratta will present the 2017 agricultural irrigation estimated usage for adoption. These numbers are used by the Texas Water Development Board. One of the uses includes inclusion in the State Water Plan.

Attached is the estimated usage by county.

It is the recommendation of the General Manager to approve the presented estimated agricultural irrigation use numbers for both Brazos and Robertson counties and provide them to the Texas Water Development Board for their use.

2017

			Water Use % Categories									
52			Low		Medium				High	Total	Total	
Crop	Acreage	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches Used	Acre-Feet
corn	2,500	16	30%	12,000	25.7	50%	32,125	35.4	20%	17,700	61,825	5,152
cotton	12,370	17	40%	84,116	24.15	40%	119,494	31.3	20%	77,436	281,046	23,421
milo	1,420	12	50%	8,520	20.65	50%	14,662	29.3	0%	0	23,182	1,932
wheat, oats	210	6	50%	630	8.1	50%	851	10.2	0%	0	1,481	123
soybeans	640	13	25%	2,080	23.8	50%	7,616	34.6	25%	5,536	15,232	1,269
rice	0	46	0%	0	46	0%	0	46	0%	0	0	0
pasture, forage, hay	1,763	18	40%	12,694	25.9	50%	22,831	33.8	10%	5,959	41,483	3,457
vegetables/orchards	479	14	0%	0	14	100%	6,706	28	0%	0	6,706	559
Totals:	19,382			120,040			204,284			106,631	430,955	35,913

EXPLANATORY FOOTNOTES:

											t t		
1	The District will obtain	n rainfall reco	rds from Nati	onal Weather	Service Wear	ther Forecast	Office.						
200	Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
	2017	3 64	3.66	1.63	5.51	2.89	5.83	7.14	22.1	0.71	2.05	1.4	4.26

^{2.} The District will obtain crop moisture index imformation from the National Oceanic and Atmospheric Administration (NOAA).

^{3.} These figures are based on a survey conducted by The Brazos Valley Groundwater Conservation District in response to the figures reported by the Texas Water Development Board whose figures were based soley on the Farm Service Administration figures and generalized estimates of water usage. These figures do not constitute the official records of the Brazos Valley Groundwater Conservation District nor records kept in ordinary course of business, but represents our best estimates based on local information.

2017

Vo.						2017						
			Water Use % Categories									
			Low		Medium			High			Total	Total
Crop	Acreage	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches/Acre	% Acres	Inches Used	Inches Used	Acre-Feet
corn	8,715	16	35%	48,804	25.7	20%	44,795	35.4	45%	138,830	232,429	19,369
cotton	13,600	17	35%	80,920	24.15	35%	114,954	31.3	30%	127,704	323,578	26,965
milo	1,870	12	40%	8,976	20.65	55%	21,239	29.3	5%	2,740	32,954	2,746
wheat, oats	250	6	90%	1,350	8.1	10%	203	10.2	0%	0	1,553	129
soybeans	5,833	13	20%	15,166	23.8	25%	34,706	34.6	55%	111,002	160,874	13,406
rice	320	46	0%	0	49.35	0%	0	52.7	100%	16,864	16,864	1,405
pasture, forage, hay	4,280	18	45%	34,668	33.8	50%	72,332	49.6	5%	10,614	117,614	9,801
vegetables/orchards	420	14	0%	0	28	100%	11,760	44	0%	.0	11,760	980
Totals:	35,288		21	189,884		7,000	299,988			407,754	897,626	74,802

EXPLANATORY FOOTNOTES:

1. The District will obtain rainfall records from National Weather Service Weather Forecast Office. NOV DEC JUL AUG SEPT OCT APR MAY JUN JAN FEB MAR Year 3.98 1.32 10.39 0.07 0.88 1.7 1.87 3.53 2.47 2.39 3.95 5.18 2017

^{2.} The District will obtain crop moisture index imformation from the National Oceanic and Atmospheric Administration (NOAA).

^{3.} These figures are based on a survey conducted by The Brazos Valley Groundwater Conservation District in response to the figures reported by the Texas Water Development Board whose figures were based soley on the Farm Service Administration figures and generalized estimates of water usage. These figures do not constitute the official records of the Brazos Valley Groundwater Conservation District nor records kept in ordinary course of business, but represents our best estimates based on local information.