Estimated Historical Groundwater Use And 2017 State Water Plan Datasets:

Hays Trinity Groundwater Conservation District

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GROUNDWATER MANAGEMENT PLAN DATA:

This package of water data reports (part 1 of a 2-part package of information) is being provided to groundwater conservation districts to help them meet the requirements for approval of their five-year groundwater management plan. Each report in the package addresses a specific numbered requirement in the Texas Water Development Board's groundwater management plan checklist. The checklist can be viewed and downloaded from this web address:

http://www.twdb.texas.gov/groundwater/docs/GCD/GMPChecklist0113.pdf

The five reports included in this part are:

1. Estimated Historical Groundwater Use (checklist item 2)
   from the TWDB Historical Water Use Survey (WUS)
2. Projected Surface Water Supplies (checklist item 6)
3. Projected Water Demands (checklist item 7)
4. Projected Water Supply Needs (checklist item 8)
5. Projected Water Management Strategies (checklist item 9)
   from the 2017 Texas State Water Plan (SWP)

Part 2 of the 2-part package is the groundwater availability model (GAM) report for the District (checklist items 3 through 5). The District should have received, or will receive, this report from the Groundwater Availability Modeling Section. Questions about the GAM can be directed to Dr. Shirley Wade, shirley.wade@twdb.texas.gov, (512) 936-0883.

DISCLAIMER:

The data presented in this report represents the most up-to-date WUS and 2017 SWP data available as of 11/6/2020. Although it does not happen frequently, either of these datasets are subject to change pending the availability of more accurate WUS data or an amendment to the 2017 SWP. District personnel must review these datasets and correct any discrepancies in order to ensure approval of their groundwater management plan.

The WUS dataset can be verified at this web address:

http://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates/

The 2017 SWP dataset can be verified by contacting Sabrina Anderson (sabrina.anderson@twdb.texas.gov or 512-936-0886).

The values presented in the data tables of this report are county-based. In cases where groundwater conservation districts cover only a portion of one or more counties the data values are modified with an apportioning multiplier to create new values that more accurately represent conditions within district boundaries. The multiplier used in the following formula is a land area ratio: (data value * (land area of district in county / land area of county)). For two of the four SWP tables (Projected Surface Water Supplies and Projected Water Demands) only the county-wide water user group (WUG) data values (county other, manufacturing, steam electric power, irrigation, mining and livestock) are modified using the multiplier. WUG values for municipalities, water supply corporations, and utility districts are not apportioned; instead, their full values are retained when they are located within the district, and eliminated when they are located outside (we ask each district to identify these entity locations).

The remaining SWP tables (Projected Water Supply Needs and Projected Water Management Strategies) are not modified because district-specific values are not statutorily required. Each district needs only "consider" the county values in these tables.

In the WUS table every category of water use (including municipal) is apportioned. Staff determined that breaking down the annual municipal values into individual WUGs was too complex.

TWDB recognizes that the apportioning formula used is not perfect but it is the best available process with respect to time and staffing constraints. If a district believes it has data that is more accurate it can add those data to the plan with an explanation of how the data were derived. Apportioning percentages that the TWDB used are listed above each applicable table.

For additional questions regarding this data, please contact Stephen Allen (stephen.allen@twdb.texas.gov or 512-463-7317).

Estimated Historical Water Use
TWDB Historical Water Use Survey (WUS) Data

Groundwater and surface water historical use estimates are currently unavailable for calendar year 2018. TWDB staff anticipates the calculation and posting of these estimates at a later date.

HAYS COUNTY

55.15% (multiplier)

All values are in acre-feet

Year	Source	Municipal	Manufacturing	Mining	Steam Electric	Irrigation	Livestock	Total
2017	GW	5,655	83	190	0	205	43	6,176
	SW	8,895	0	0	558	100	1,365	10,918
2016	GW	5,758	77	146	0	233	49	6,263
	SW	7,471	1	0	767	14	1,710	9,963
2015	GW	4,970	99	165	0	143	48	5,425
	SW	7,641	0	0	877	104	1,645	10,267
2014	GW	5,094	103	206	420	343	47	6,213
	SW	7,313	0	0	0	0	1,775	9,088
2013	GW	6,612	99	206	549	253	44	7,763
	SW	7,225	0	0	0	3	1,537	8,765
2012	GW	7,288	107	272	0	360	38	8,065
	SW	7,353	2	0	0	45	1,352	8,752
2011	GW	7,781	94	185	0	487	55	8,602
	SW	7,391	2	0	0	5	1,290	8,688
2010	GW	7,266	84	372	0	362	55	8,139
	SW	4,821	2	192	0	5	1,511	6,531
2009	GW	6,634	86	365	0	404	167	7,656
	SW	4,826	0	188	0	0	1,573	6,587
2008	GW	6,676	97	358	0	395	165	7,691
	SW	4,385	1	181	0	15	3,517	8,099
2007	GW	5,699	77	185	0	676	173	6,810
	SW	3,845	3	5	0	111	2,137	6,101
2006	GW	6,780	103	191	0	133	169	7,376
	SW	3,516	1	0	0	2	1,891	5,410
2005	GW	5,845	99	191	0	78	155	6,368
	SW	2,913	3	0	0	15	1,871	4,802
2004	GW	5,675	87	191	0	69	108	6,130
	SW	2,650	5	0	0	174	2,324	5,153
2003	GW	5,744	83	309	0	55	107	6,298
	SW	3,394	0	0	0	137	1,314	4,845
2002	GW	5,667	87	402	0	8	127	6,291
	SW	2,757	1	0	0	118	1,324	4,200

Projected Surface Water Supplies
TWDB 2017 State Water Plan Data

HAYS COUNTY

55.15% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	Source Name	2020	2030	2040	2050	2060	2070
~~K~~	~~AUSTIN~~	~~COLORADO~~	~~COLORADO RUN-OF-RIVER~~	~~13~~	~~127~~	~~249~~	~~631~~	~~1,519~~	~~2,749~~
~~K~~	~~BUDA~~	~~COLORADO~~	~~CANYON LAKE/RESERVOIR~~	~~1,381~~	~~1,292~~	~~1,181~~	~~1,041~~	~~882~~	~~701~~
K	COUNTY-OTHER, HAYS	COLORADO	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	773	773	773	773	773	773
K	DRIPPING SPRINGS	COLORADO	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	506	506	506	506	506	506
K	DRIPPING SPRINGS WSC	COLORADO	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	133	280	461	691	953	1,126
K	LIVESTOCK, HAYS	COLORADO	COLORADO LIVESTOCK LOCAL SUPPLY	106	106	106	106	106	106
K	WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	COLORADO	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	4,521	4,521	4,521	4,521	4,521	4,521
~~L~~	~~BUDA~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~299~~	~~388~~	~~499~~	~~639~~	~~798~~	~~979~~
~~L~~	~~COUNTY LINE WSC~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~226~~	~~197~~	~~161~~	~~113~~	~~57~~	~~0~~
L	COUNTY-OTHER, HAYS	GUADALUPE	CANYON LAKE/RESERVOIR	2,138	2,138	2,138	2,138	2,138	2,138
~~L~~	~~CRYSTAL CLEAR WSC~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~323~~	~~317~~	~~319~~	~~329~~	~~340~~	~~354~~
~~L~~	~~GOFORTH SUD~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~1,050~~	~~1,050~~	~~1,050~~	~~1,050~~	~~1,050~~	~~1,050~~
L	IRRIGATION, HAYS	GUADALUPE	GUADALUPE RUN-OF-RIVER	72	72	72	72	72	72
~~L~~	~~KYLE~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~5,743~~	~~5,743~~	~~5,743~~	~~5,743~~	~~5,743~~	~~5,732~~
L	LIVESTOCK, HAYS	GUADALUPE	GUADALUPE LIVESTOCK LOCAL SUPPLY	113	113	113	113	113	113
~~L~~	~~MAXWELL WSC~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~101~~	~~92~~	~~87~~	~~85~~	~~84~~	~~84~~
~~L~~	~~MAXWELL WSC~~	~~GUADALUPE~~	~~GUADALUPE RUN-OF-RIVER~~	~~153~~	~~139~~	~~131~~	~~128~~	~~127~~	~~127~~
~~L~~	~~SAN MARCOS~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~9,998~~	~~9,998~~	~~9,998~~	~~9,997~~	~~9,997~~	~~9,997~~
~~L~~	~~STEAM ELECTRIC POWER, HAYS~~	~~GUADALUPE~~	~~CANYON LAKE/RESERVOIR~~	~~1,359~~	~~1,359~~	~~1,359~~	~~1,359~~	~~1,359~~	~~1,359~~
L	UHLAND	GUADALUPE	CANYON LAKE/RESERVOIR	99	133	175	229	290	360
	Sum of Projected Surface Water Supplies (acre-feet)			**8,461**	**8,642**	**8,865**	**9,149**	**9,472**	**9,715**

Projected Water Demands
TWDB 2017 State Water Plan Data

Please note that the demand numbers presented here include the plumbing code savings found in the Regional and State Water Plans.

HAYS COUNTY

55.15% (multiplier)

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
~~K~~	~~AUSTIN~~	~~COLORADO~~	~~13~~	~~127~~	~~249~~	~~631~~	~~1,519~~	~~2,749~~
~~K~~	~~BUDA~~	~~COLORADO~~	~~1,769~~	~~2,508~~	~~3,420~~	~~4,564~~	~~5,860~~	~~7,338~~
~~K~~	~~CIMARRON PARK WATER COMPANY~~	~~COLORADO~~	~~249~~	~~241~~	~~234~~	~~230~~	~~229~~	~~229~~
K	COUNTY-OTHER, HAYS	COLORADO	1,714	2,038	2,548	3,131	3,628	4,121
K	DRIPPING SPRINGS	COLORADO	479	537	610	704	813	938
K	DRIPPING SPRINGS WSC	COLORADO	533	680	861	1,091	1,353	1,652
~~K~~	~~GOFORTH SUD~~	~~COLORADO~~	~~85~~	~~130~~	~~185~~	~~255~~	~~334~~	~~425~~
K	IRRIGATION, HAYS	COLORADO	59	59	59	59	59	59
K	LIVESTOCK, HAYS	COLORADO	121	121	121	121	121	121
K	MANUFACTURING, HAYS	COLORADO	191	219	248	273	296	322
K	MINING, HAYS	COLORADO	466	593	751	797	912	1,044
~~K~~	~~MOUNTAIN CITY~~	~~COLORADO~~	~~57~~	~~56~~	~~54~~	~~54~~	~~54~~	~~54~~
~~K~~	~~PLUM CREEK WATER COMPANY~~	~~COLORADO~~	~~163~~	~~264~~	~~283~~	~~300~~	~~312~~	~~322~~
K	WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	COLORADO	4,093	5,758	7,795	10,343	13,226	16,508
~~L~~	~~BUDA~~	~~GUADALUPE~~	~~299~~	~~388~~	~~499~~	~~639~~	~~798~~	~~979~~
~~L~~	~~COUNTY LINE WSC~~	~~GUADALUPE~~	~~181~~	~~231~~	~~298~~	~~383~~	~~478~~	~~587~~
L	COUNTY-OTHER, HAYS	GUADALUPE	1,138	1,260	2,517	3,460	6,518	9,914
~~L~~	~~CREEDMOOR-MAHA WSC~~	~~GUADALUPE~~	~~10~~	~~12~~	~~15~~	~~19~~	~~23~~	~~28~~
~~L~~	~~CRYSTAL CLEAR WSC~~	~~GUADALUPE~~	~~632~~	~~717~~	~~827~~	~~973~~	~~1,143~~	~~1,338~~
~~L~~	~~GOFORTH SUD~~	~~GUADALUPE~~	~~1,384~~	~~1,753~~	~~2,220~~	~~2,818~~	~~3,504~~	~~4,287~~
L	IRRIGATION, HAYS	GUADALUPE	358	355	352	349	345	342
~~L~~	~~KYLE~~	~~GUADALUPE~~	~~5,156~~	~~7,680~~	~~9,133~~	~~9,119~~	~~9,108~~	~~9,104~~
L	LIVESTOCK, HAYS	GUADALUPE	226	226	226	226	226	226
L	MANUFACTURING, HAYS	GUADALUPE	59	67	76	84	91	99
~~L~~	~~MAXWELL WSC~~	~~GUADALUPE~~	~~117~~	~~122~~	~~131~~	~~144~~	~~160~~	~~179~~
~~L~~	~~MOUNTAIN CITY~~	~~GUADALUPE~~	~~24~~	~~30~~	~~38~~	~~48~~	~~60~~	~~73~~
~~L~~	~~NIEDERWALD~~	~~GUADALUPE~~	~~59~~	~~75~~	~~96~~	~~122~~	~~151~~	~~185~~
~~L~~	~~PLUM CREEK WATER COMPANY~~	~~GUADALUPE~~	~~736~~	~~1,068~~	~~1,048~~	~~1,032~~	~~1,019~~	~~1,009~~
~~L~~	~~SAN MARCOS~~	~~GUADALUPE~~	~~11,934~~	~~13,941~~	~~16,430~~	~~19,485~~	~~23,205~~	~~27,655~~
~~L~~	~~STEAM ELECTRIC POWER, HAYS~~	~~GUADALUPE~~	~~403~~	~~532~~	~~1,093~~	~~1,493~~	~~2,034~~	~~2,770~~
~~L~~	~~UHLAND~~	~~GUADALUPE~~	~~99~~	~~133~~	~~175~~	~~229~~	~~290~~	~~360~~
L	WIMBERLEY	GUADALUPE	626	800	1,018	1,300	1,622	1,990
L	WIMBERLEY WSC	GUADALUPE	450	657	919	1,247	1,617	2,039

L	WOODCREEK	GUADALUPE	282	311	349	399	458	525
		Sum of Projected Water Demands (acre-feet)	**10,795**	**13,681**	**18,450**	**23,584**	**31,285**	**39,900**

Projected Water Supply Needs
TWDB 2017 State Water Plan Data

Negative values (in red) reflect a projected water supply need, positive values a surplus.

HAYS COUNTY

All values are in acre-feet

RWPG	WUG	WUG Basin	2020	2030	2040	2050	2060	2070
K	AUSTIN	COLORADO	0	0	0	0	0	0
K	BUDA	COLORADO	161	-667	-1,690	-2,974	-4,429	-6,088
K	CIMARRON PARK WATER COMPANY	COLORADO	0	8	15	19	20	20
K	COUNTY-OTHER, HAYS	COLORADO	983	394	-530	-1,587	-2,489	-3,382
K	DRIPPING SPRINGS	COLORADO	27	-31	-104	-198	-307	-432
K	DRIPPING SPRINGS WSC	COLORADO	0	0	0	0	0	-126
K	GOFORTH SUD	COLORADO	0	0	0	0	0	0
K	IRRIGATION, HAYS	COLORADO	333	333	333	333	333	333
K	LIVESTOCK, HAYS	COLORADO	2	2	2	2	2	2
K	MANUFACTURING, HAYS	COLORADO	236	185	134	88	46	0
K	MINING, HAYS	COLORADO	-531	-761	-1,047	-1,131	-1,340	-1,579
K	MOUNTAIN CITY	COLORADO	0	0	0	0	0	0
K	PLUM CREEK WATER COMPANY	COLORADO	0	0	0	0	0	0
K	WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	COLORADO	728	-937	-2,974	-5,522	-8,405	-11,687
L	BUDA	GUADALUPE	0	0	0	0	0	0
L	COUNTY LINE WSC	GUADALUPE	122	45	-56	-187	-336	-500
L	COUNTY-OTHER, HAYS	GUADALUPE	3,101	2,881	601	-1,109	-6,654	-12,812
L	CREEDMOOR-MAHA WSC	GUADALUPE	0	0	0	0	0	0
L	CRYSTAL CLEAR WSC	GUADALUPE	84	-13	-118	-243	-388	-551
L	GOFORTH SUD	GUADALUPE	2,763	2,340	1,810	1,133	358	-525
L	IRRIGATION, HAYS	GUADALUPE	88	94	100	106	112	118
L	KYLE	GUADALUPE	1,176	-1,348	-2,801	-2,787	-2,776	-2,783
L	LIVESTOCK, HAYS	GUADALUPE	0	0	0	0	0	0
L	MANUFACTURING, HAYS	GUADALUPE	573	558	542	528	515	501
L	MAXWELL WSC	GUADALUPE	176	144	120	101	83	64
L	MOUNTAIN CITY	GUADALUPE	4	-1	-7	-17	-29	-42
L	NIEDERWALD	GUADALUPE	-49	-65	-85	-111	-140	-174
L	PLUM CREEK WATER COMPANY	GUADALUPE	248	-185	-184	-185	-184	-184
L	SAN MARCOS	GUADALUPE	1,867	-140	-2,629	-5,685	-9,405	-13,855
L	STEAM ELECTRIC POWER, HAYS	GUADALUPE	4,646	4,411	3,394	2,668	1,688	353
L	UHLAND	GUADALUPE	0	0	0	0	0	0
L	WIMBERLEY	GUADALUPE	218	44	-174	-456	-778	-1,146
L	WIMBERLEY WSC	GUADALUPE	233	26	-236	-564	-934	-1,356
L	WOODCREEK	GUADALUPE	716	687	649	599	540	473

Sum of Projected Water Supply Needs (acre-feet)	**-580**	**-4,148**	**-12,635**	**-22,756**	**-38,594**	**-57,222**

Projected Water Management Strategies
TWDB 2017 State Water Plan Data

HAYS COUNTY

WUG, Basin (RWPG)

All values are in acre-feet

Water Management Strategy	Source Name [Origin]	2020	2030	2040	2050	2060	2070
AUSTIN, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	1	13	25	63	152	275
		1	**13**	**25**	**63**	**152**	**275**
BUDA, COLORADO (K)							
DIRECT REUSE - BUDA	DIRECT REUSE [HAYS]	2,240	2,240	1,740	1,740	1,740	1,740
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	177	251	342	456	586	734
EDWARDS / MIDDLE TRINITY ASR	TRINITY AQUIFER ASR [HAYS]	0	600	600	600	600	600
HCPUA PIPELINE - REGION K RECOMMENDED	CARRIZO-WILCOX AQUIFER [GONZALES]	0	667	1,690	2,467	2,467	2,467
MUNICIPAL CONSERVATION - BUDA	DEMAND REDUCTION [HAYS]	88	206	434	552	709	888
SALINE EDWARDS ASR	EDWARDS AQUIFER ASR [TRAVIS]	0	100	100	100	100	100
SALINE EDWARDS ASR (SALINE)	EDWARDS-BFZ AQUIFER [TRAVIS]	0	400	400	400	400	400
		2,505	**4,464**	**5,306**	**6,315**	**6,602**	**6,929**
COUNTY-OTHER, HAYS, COLORADO (K)							
BRUSH CONTROL	COLORADO RUN-OF-RIVER [HAYS]	425	425	425	425	425	425
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	466	554	693	852	987	1,121
EDWARDS / MIDDLE TRINITY ASR	TRINITY AQUIFER ASR [HAYS]	0	200	200	200	200	200
HAYS COUNTY PIPELINE - REGION K RECOMMENDED	CARRIZO-WILCOX AQUIFER [GONZALES]	0	2,000	2,000	2,000	2,000	2,000
SALINE EDWARDS ASR	EDWARDS AQUIFER ASR [TRAVIS]	0	100	100	100	100	100
SALINE EDWARDS ASR (SALINE)	EDWARDS-BFZ AQUIFER [TRAVIS]	0	100	100	100	100	100
		891	**3,379**	**3,518**	**3,677**	**3,812**	**3,946**
DRIPPING SPRINGS, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	96	107	122	141	163	188
HAYS COUNTY PIPELINE - REGION K RECOMMENDED	CARRIZO-WILCOX AQUIFER [GONZALES]	0	0	0	0	134	407
MUNICIPAL CONSERVATION - DRIPPING SPRINGS	DEMAND REDUCTION [HAYS]	48	67	98	141	195	262
WATER PURCHASE	HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	0	31	104	198	173	0

	[RESERVOIR]						
		144	**205**	**324**	**480**	**665**	**857**
DRIPPING SPRINGS WSC, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	107	136	172	218	271	330
HAYS COUNTY PIPELINE - REGION K RECOMMENDED	CARRIZO-WILCOX AQUIFER [GONZALES]	0	1,000	1,000	1,000	866	593
MUNICIPAL CONSERVATION - DRIPPING SPRINGS WSC	DEMAND REDUCTION [HAYS]	54	124	152	187	232	283
		161	**1,260**	**1,324**	**1,405**	**1,369**	**1,206**
GOFORTH SUD, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	21	33	46	64	84	106
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	0	0	0	0	0	0
		21	**33**	**46**	**64**	**84**	**106**
MINING, HAYS, COLORADO (K)							
DIRECT REUSE - BUDA	DIRECT REUSE [HAYS]	0	0	500	500	500	500
EDWARDS / MIDDLE TRINITY ASR	TRINITY AQUIFER ASR [HAYS]	0	100	100	100	100	100
EXPANSION OF CURRENT GROUNDWATER SUPPLIES - TRINITY AQUIFER	TRINITY AQUIFER [HAYS]	531	761	1,047	1,047	1,047	1,047
		531	**861**	**1,647**	**1,647**	**1,647**	**1,647**
PLUM CREEK WATER COMPANY, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	8	13	14	15	16	16
HAYS/CALDWELL PUA PROJECT	CARRIZO-WILCOX AQUIFER [CALDWELL]	0	37	39	42	43	45
		8	**50**	**53**	**57**	**59**	**61**
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY, COLORADO (K)							
DROUGHT MANAGEMENT	DEMAND REDUCTION [HAYS]	819	1,152	1,559	2,069	2,645	3,302
HAYS COUNTY PIPELINE - REGION K RECOMMENDED	CARRIZO-WILCOX AQUIFER [GONZALES]	0	1,000	1,000	1,000	1,000	1,000
LCRA - LANE CITY RESERVOIR	LCRA NEW OFF-CHANNEL RESERVOIRS (2020 DECADE) [RESERVOIR]	0	500	2,700	3,000	5,800	5,800
MUNICIPAL CONSERVATION - WEST TRAVIS COUNTY PUA	DEMAND REDUCTION [HAYS]	405	1,070	2,064	3,501	5,348	7,674
		1,224	**3,722**	**7,323**	**9,570**	**14,793**	**17,776**
COUNTY LINE WSC, GUADALUPE (L)							
BRACKISH WILCOX GROUNDWATER FOR CRWA	CARRIZO-WILCOX AQUIFER [WILSON]	0	0	0	187	335	500
CRWA SIESTA PROJECT	DIRECT REUSE [BEXAR]	0	0	25	0	0	0
CRWA SIESTA PROJECT	SAN ANTONIO RUN-OF-RIVER [WILSON]	0	0	31	0	0	0
REUSE - KYLE/COUNTY LINE WSC	DIRECT REUSE [HAYS]	34	35	36	37	38	39
		34	**35**	**92**	**224**	**373**	**539**
COUNTY-OTHER, HAYS, GUADALUPE (L)							
GBRA - MBWSP - CONJUNCTIVE USE	CARRIZO-WILCOX	0	0	0	1,169	6,714	5,276

(OPTION 3A) - CARRIZO DEVELOPMENT	AQUIFER [GONZALES]						
GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A)	CARRIZO-WILCOX AQUIFER ASR [GONZALES]	0	0	0	0	0	6,332
TWA TRINITY AQUIFER DEVELOPMENT	TRINITY AQUIFER [COMAL]	0	0	0	0	0	1,263
VISTA RIDGE PROJECT	CARRIZO-WILCOX AQUIFER [BURLESON]	3,781	5,000	5,000	5,000	5,000	5,000
		3,781	**5,000**	**5,000**	**6,169**	**11,714**	**17,871**
CRYSTAL CLEAR WSC, GUADALUPE (L)							
CRWA WELLS RANCH PROJECT PHASE II	CARRIZO-WILCOX AQUIFER [GUADALUPE]	75	261	317	0	0	0
HAYS/CALDWELL PUA PROJECT	CARRIZO-WILCOX AQUIFER [CALDWELL]	124	296	243	577	597	621
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	0	0	0	0	0	22
		199	**557**	**560**	**577**	**597**	**643**
GOFORTH SUD, GUADALUPE (L)							
GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A)	CARRIZO-WILCOX AQUIFER ASR [GONZALES]	0	0	0	0	0	525
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	0	0	0	0	0	2
		0	**0**	**0**	**0**	**0**	**527**
KYLE, GUADALUPE (L)							
HAYS/CALDWELL PUA PROJECT	CARRIZO-WILCOX AQUIFER [CALDWELL]	0	1,163	2,616	2,602	2,591	2,598
MUNICIPAL WATER CONSERVATION (SUBURBAN)	DEMAND REDUCTION [HAYS]	0	0	0	53	266	480
REUSE - KYLE/COUNTY LINE WSC	DIRECT REUSE [HAYS]	2,329	3,591	4,318	4,284	4,172	4,063
		2,329	**4,754**	**6,934**	**6,939**	**7,029**	**7,141**
MOUNTAIN CITY, GUADALUPE (L)							
DROUGHT MANAGEMENT - MOUNTAIN CITY	DEMAND REDUCTION [HAYS]	1	0	0	0	0	0
EDWARDS / MIDDLE TRINITY ASR	TRINITY AQUIFER ASR [HAYS]	0	44	44	44	44	44
LOCAL TRINITY AQUIFER DEVELOPMENT	TRINITY AQUIFER [HAYS]	60	60	60	60	60	60
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	0	0	0	0	0	1
		61	**104**	**104**	**104**	**104**	**105**
NIEDERWALD, GUADALUPE (L)							
DROUGHT MANAGEMENT - NIEDERWALD	DEMAND REDUCTION [HAYS]	3	0	0	0	0	0
GBRA - MBWSP - CONJUNCTIVE USE (OPTION 3A) - CARRIZO DEVELOPMENT	CARRIZO-WILCOX AQUIFER [GONZALES]	49	65	85	111	0	0
GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A)	CARRIZO-WILCOX AQUIFER ASR [GONZALES]	0	0	0	0	140	174
		52	**65**	**85**	**111**	**140**	**174**
PLUM CREEK WATER COMPANY, GUADALUPE (L)							

HAYS/CALDWELL PUA PROJECT	CARRIZO-WILCOX AQUIFER [CALDWELL]	0	148	146	143	142	140
LOCAL TRINITY AQUIFER DEVELOPMENT	TRINITY AQUIFER [HAYS]	0	185	185	185	185	185
		0	**333**	**331**	**328**	**327**	**325**
SAN MARCOS, GUADALUPE (L)							
GBRA - MBWSP - CONJUNCTIVE USE (OPTION 3A) - CARRIZO DEVELOPMENT	CARRIZO-WILCOX AQUIFER [GONZALES]	0	0	2,379	3,470	0	0
GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A)	CARRIZO-WILCOX AQUIFER ASR [GONZALES]	0	0	0	0	4,580	5,716
HAYS/CALDWELL PUA PROJECT	CARRIZO-WILCOX AQUIFER [CALDWELL]	0	0	0	1,964	4,575	7,889
MUNICIPAL WATER CONSERVATION (SUBURBAN)	DEMAND REDUCTION [HAYS]	179	778	1,122	1,684	2,506	3,587
REUSE - SAN MARCOS	DIRECT REUSE [HAYS]	1,932	2,886	3,959	5,206	6,654	8,339
		2,111	**3,664**	**7,460**	**12,324**	**18,315**	**25,531**
UHLAND, GUADALUPE (L)							
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	0	0	0	0	3	13
		0	**0**	**0**	**0**	**3**	**13**
WIMBERLEY, GUADALUPE (L)							
GBRA - MBWSP - CONJUNCTIVE USE (OPTION 3A) - CARRIZO DEVELOPMENT	CARRIZO-WILCOX AQUIFER [GONZALES]	0	0	174	456	778	1,033
MUNICIPAL WATER CONSERVATION (RURAL)	DEMAND REDUCTION [HAYS]	10	55	78	123	187	272
TWA TRINITY AQUIFER DEVELOPMENT	TRINITY AQUIFER [COMAL]	0	0	0	0	0	113
		10	**55**	**252**	**579**	**965**	**1,418**
WIMBERLEY WSC, GUADALUPE (L)							
GBRA - MBWSP - CONJUNCTIVE USE (OPTION 3A) - CARRIZO DEVELOPMENT	CARRIZO-WILCOX AQUIFER [GONZALES]	0	0	236	564	934	1,223
TWA TRINITY AQUIFER DEVELOPMENT	TRINITY AQUIFER [COMAL]	0	0	0	0	0	133
		0	**0**	**236**	**564**	**934**	**1,356**
WOODCREEK, GUADALUPE (L)							
MUNICIPAL WATER CONSERVATION (SUBURBAN)	DEMAND REDUCTION [HAYS]	10	25	31	41	57	76
		10	**25**	**31**	**41**	**57**	**76**
Sum of Projected Water Management Strategies (acre-feet)		**14,073**	**28,579**	**40,651**	**51,238**	**69,741**	**88,522**