

**2011 South Central Texas
Regional Water Plan**

Wholesale Water Provider Tables

DRAFT

12/2/2009

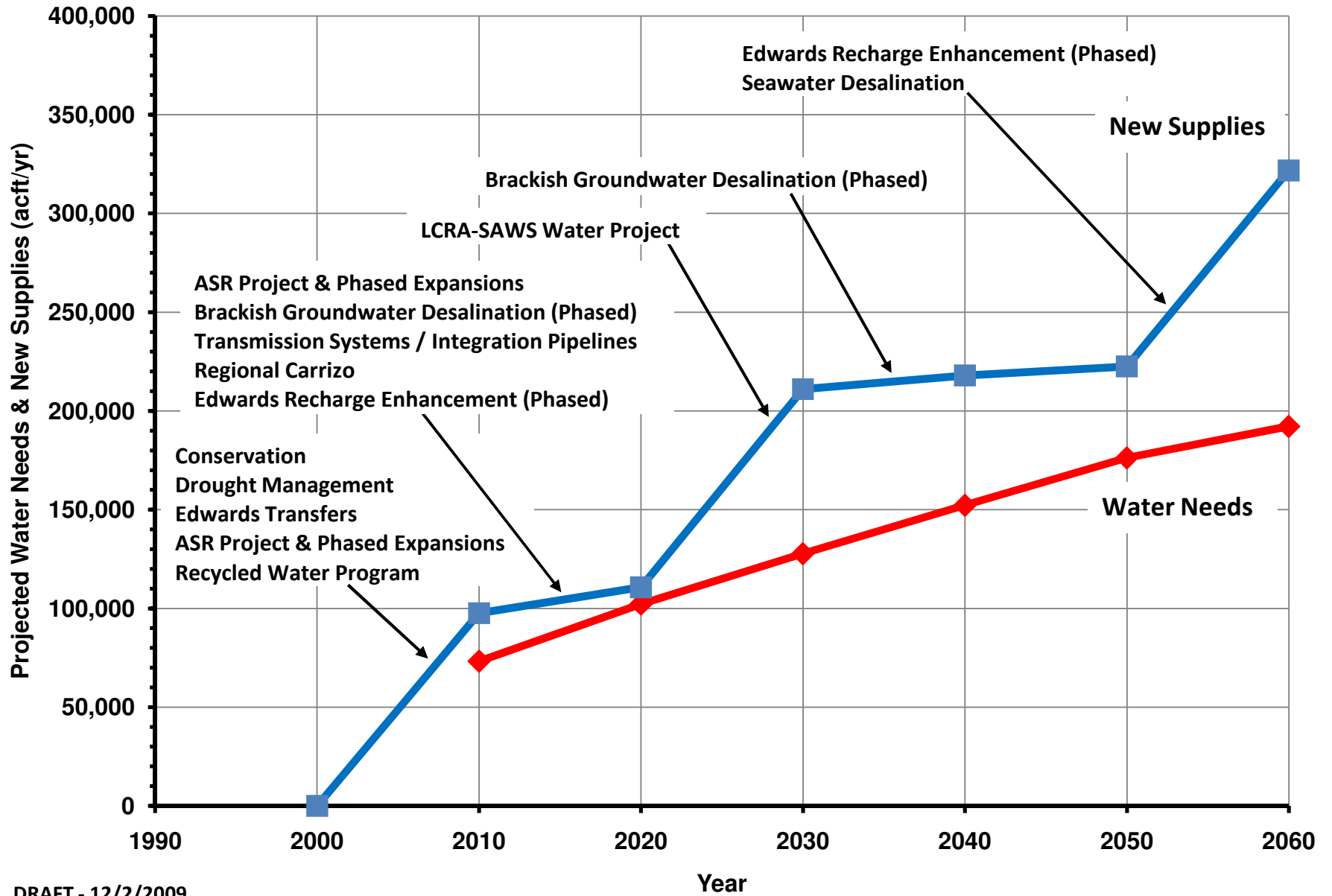
12/1/2009 DRAFT

San Antonio Water System							
Projected Demands (acft/yr):							
	Year (acft)						
Water Purchaser	2000	2010	2020	2030	2040	2050	2060
Balcones Heights	480	514	555	578	600	633	670
China Grove	288	376	457	531	591	645	695
Elmendorf	99	112	123	132	140	148	156
Helotes	845	1,537	2,249	2,820	3,264	3,679	4,047
Leon Valley	407	397	388	382	375	372	377
Olmos Park	381	403	424	441	452	468	484
San Antonio	166,813	192,007	213,943	234,865	250,671	265,958	281,204
Shavano Park ¹	303	320	336	348	357	369	381
Terrell Hills	815	863	914	956	983	1,018	1,057
East Central WSC	2,240	2,240	2,240	2,240	2,240	2,240	2,240
East Central WSC (Palm Park)	1,120	1,120	1,120	0	0	0	0
Rural	5,595	5,661	5,747	5,796	5,796	5,884	6,012
Industrial (Bexar County)	7,723	12,000	16,000	18,000	22,000	30,000	30,000
Total Demand	187,109	217,550	244,496	267,089	287,469	311,414	327,323
Supply:							
	Year (acft)						
Source	2000	2010	2020	2030	2040	2050	2060
Edwards Aquifer ²	117,187	117,187	117,187	117,187	117,187	117,187	117,187
Carrizo Aquifer ³	6,400	6,400	6,400	4,925	4,846	4,770	4,704
Trinity Aquifer ⁴	0	3,500	3,500	3,500	3,500	3,500	3,500
Direct Reuse ⁵	9,767	9,767	9,767	9,767	9,767	9,767	9,767
Aquifer Storage & Recovery (ASR) Project ⁶	0	0	0	0	0	0	0
GBRA (Canyon Reservoir)	0	7,500	5,500	4,000	0	0	0
Total Supply	133,354	144,354	142,354	139,379	135,300	135,224	135,158
Projected Needs:							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Total System Management Supplies/(Needs)	(53,755)	(73,196)	(102,142)	(127,710)	(152,169)	(176,190)	(192,165)

12/1/2009 DRAFT

Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ⁷		5,100	6,500	7,800	9,300	13,900	21,000
Drought Management ⁸		37,622	0	0	0	0	0
Edwards Transfers		35,935	35,935	35,935	35,935	35,935	35,935
ASR Project & Phased Expansions ⁹		3,800	16,000	16,000	16,000	16,000	16,000
Recycled Water Program Expansion ¹⁰		15,127	15,127	15,127	15,127	15,127	15,127
Brackish Groundwater Desalination (Phased) ¹¹			12,000	21,000	26,400	26,400	26,400
Transmission Systems / Integration Pipeline(s) ¹²			0	0	0	0	0
Regional Carrizo ¹¹			11,700	11,700	11,700	11,700	11,700
Edwards Recharge Enhancement (Phased)			13,451	13,451	13,451	13,451	21,577
LCRA-SAWS Water Project				90,000	90,000	90,000	90,000
Seawater Desalination							84,012
Total Recommended WMS		97,584	110,713	211,013	217,913	222,513	321,751
Management Supplies with Recommended WMS¹³		24,388	8,571	83,303	65,744	46,323	129,586
Alternative WMS¹³							
WMS Needing Further Study Prior to Implementation							
Edwards Aquifer Recharge & Recirculation							
Mesa Water Supply Project							
Other Water Supplies (Planned RFP)							
¹ Shavano Park projected needs for additional water supply assigned to SAWS. ² Includes SAWS permits and acquisitions, but not leases. ³ Supply from Carrizo Aquifer limited by TWDB estimates of groundwater availability as source area/aquifer is not represented by a groundwater conservation district. ⁴ Supply potentially interruptible in drought, but is shown to be available by the Trinity - Glen Rose Groundwater Conservation District. ⁵ Amount excludes commitments to streams and lakes. ⁶ Firm supply in drought of record uncertain. Interruptible supply available in many drought periods. ⁷ Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWPWG. Estimates shown are for the City of San Antonio only. SAWS 2009 Water Management Plan Update has higher goals than those shown. ⁸ Periodic activation of drought contingency measures resulting in demand reductions considered as a near-term alternative to development of water supplies that are reliable during drought. Amount shown is near-term Permitted Supply Gap from SAWS 2009 Water Management Plan Update. ⁹ Amounts shown are from SAWS 2009 Water Management Plan Update. ¹⁰ Uncommitted portion of existing 35,000 acft/yr Recycled Water system capacity. ¹¹ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS. ¹² Systems and pipelines have no associated firm yield, but are necessary to deliver new sources of supply to SAWS customers. ¹³ Management Supplies and Alternative WMS are included in the event that Recommended WMS are not fully developed.							

San Antonio Water System



12/2/2009 DRAFT

Guadalupe-Blanco River Authority							
Projected Demands (acft/yr):							
Water Purchaser	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Municipal (Canyon Reservoir)							
Upper Basin - At or Above Canyon Reservoir							
Canyon Lake WSC	4,000	6,000	6,000	6,129	8,198	10,466	12,769
City of Blanco	600	600	600	600	600	600	600
HH Ranch Properties	0	250	250	250	250	250	250
Domestic Contracts	25	17	17	17	17	17	17
Rebecca Creek MUD	130	130	130	130	130	130	130
Kerr County MOU	0	0	0	2,000	2,000	2,000	2,000
WW Sports	1	1	1	1	1	1	1
Yacht Club	4	4	4	4	4	4	4
SJWTX - Bulverde (Western Canyon)	0	400	400	400	400	400	400
SJWTX - Park Village (Western Canyon)	0	322	322	322	322	322	322
Bulverde City (Western Canyon)	0	653	1,342	2,128	2,910	3,723	4,595
City of Boerne (Western Canyon)	0	1,176	1,794	2,449	2,976	3,436	3,611
City of Fair Oaks Ranch (Western Canyon)	0	1,850	1,850	1,850	1,850	1,850	1,850
Cordillera Ranch (Western Canyon)	0	1,000	1,000	1,000	1,000	1,000	1,000
DH Invest. Johnson Ranch (Western Canyon)	0	400	400	400	400	400	400
Kendall & Tapatio (Western Canyon)	0	750	750	750	750	750	750
Comal Trace (Western Canyon)	0	100	100	100	100	100	100
SAWS (Western Canyon)	0	4,550	3,243	1,802	0	0	0
Western Canyon Sub-Total	0	11,201	11,201	11,201	10,708	11,981	13,028
Total Upper Basin Municipal (Canyon Reservoir)	4,760	18,203	18,203	20,332	21,908	25,449	28,799
Mid Basin - Below Canyon Dam to Above Victoria							
CRWA - BMWWD		3,500	0	0	0	0	0
CRWA - Cibolo		1,350	1,350	1,350	1,350	1,350	1,350
CRWA - BMWWD / Cibolo		500	0	0	0	0	0
CRWA - East Central SUD		1,100	0	0	0	0	0
CRWA - East Central SUD / Green Valley SUD		300	300	300	300	300	300
CRWA - Green Valley SUD		1,800	1,700	1,700	1,700	1,700	1,700
CRWA - Marion		100	100	100	100	100	100
CRWA - Springs Hill WSC		1,425	1,425	1,425	1,425	1,425	1,425
CRWA - Springs Hill WSC / Green Valley SUD		500	500	500	500	500	500
CRWA Dunlap In District Balance		0	5,200	5,200	5,200	5,200	5,200
CRWA Dunlap Current Contract Subtotal	10,025	10,575	10,575	10,575	10,575	10,575	10,575
CRWA Dunlap Future Contract			5,000	5,000	5,000	5,000	5,000
50% of Comal County-Other	0	891	986	1,089	1,181	1,333	1,480
New Braunfels Utilities	6,720	6,720	7,627	10,764	13,871	17,081	20,640
Comal County Manufacturing		5,199	6,033	6,784	7,514	8,141	9,022
City of Seguin	3,000	1,000	1,000	1,000	1,000	1,000	1,000
Dittmar, Gary	5	5	5	5	5	5	5
Dittmar, Ray	5	5	5	5	5	5	5
Gonzales County WSC	700	700	700	700	700	700	700
Green Valley SUD	200	1,000	1,000	1,000	1,000	1,000	1,000
Springs Hill WSC	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Canyon Regional Water Authority (H/C WTP)	2,038	2,038	2,038	2,038	2,038	2,038	2,038
City of Buda (San Marcos WTP)	1,120	1,120	1,120	1,120	1,120	1,120	1,120
City of Kyle (San Marcos WTP)	589	2,957	2,957	2,957	2,957	2,957	2,957
City of Mustang Ridge (San Marcos WTP)	0	19	62	99	137	175	213
City of Niederwald (San Marcos WTP)	0	35	95	160	221	294	354
2428 Partners (San Marcos WTP)	0	3,136	3,136	3,136	3,136	3,136	3,136
Plum Creek WC/Monarch (San Marcos WTP)	0	560	560	560	560	738	941
City of San Marcos (San Marcos WTP)	5,000	10,000	10,000	10,000	10,000	10,000	10,000
Wimberley WSC (San Marcos WTP)	0	219	440	667	885	1,179	1,409
Woodcreek & Woodcreek Utilities (San Marcos WTP)	0	478	944	1,433	1,910	2,501	2,967
County Line WSC (San Marcos WTP)	0	0	0	0	0	0	0
Crystal Clear WSC (San Marcos WTP)	800	800	800	800	800	800	800
Maxwell WSC (San Marcos WTP)	0	0	0	0	0	0	0
Martindale WSC (San Marcos WTP)	0	0	0	0	0	0	0
Goforth WSC (San Marcos WTP)	250	1,050	1,050	1,050	1,050	1,050	1,050
Hays County-Other (San Marcos WTP)	0	1,344	1,344	1,344	1,344	1,344	1,344
San Marcos WTP Sub-Total	7,759	21,718	22,508	23,326	24,120	25,294	26,291
Total Mid Basin Municipal (Canyon Reservoir)	32,952	52,351	59,977	64,786	69,509	74,672	80,256

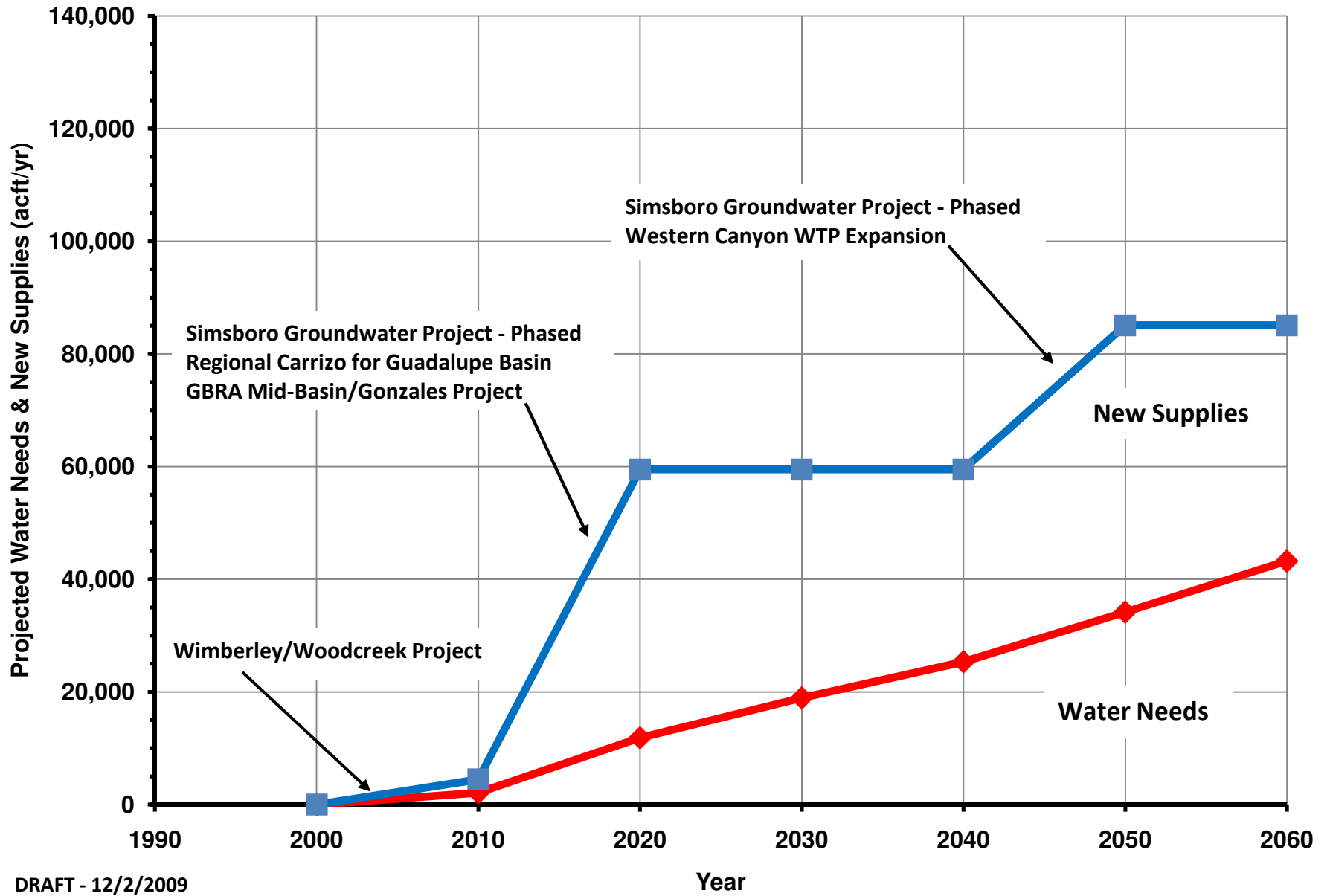
12/2/2009 DRAFT

Lower Basin - At or Below Victoria							
City of Victoria (pursuant to Canyon Amendment)	1,240	1,240	1,240	1,240	1,240	1,240	1,240
Calhoun County Rural WSC	500	0	0	0	0	0	0
City of Port Lavaca	1,500	0	0	0	0	0	0
Port O'Conner MUD	60	0	0	0	0	0	0
Total Lower Basin Municipal (Canyon Reservoir)	3,300	1,240	1,240	1,240	1,240	1,240	1,240
Industrial/Steam-Electric (Canyon Reservoir)							
Mid Basin - Below Canyon Dam to Above Victoria							
Acme	25	25	25	25	25	25	25
CMC Steel	700	700	700	700	700	700	700
Comal Fair	1	1	1	1	1	1	1
Comal Road Department	3	3	3	3	3	3	3
GPP (Panda Energy)	6,840	6,840	6,840	6,840	6,840	6,840	6,840
Guadalupe County	1	1	1	1	1	1	1
Hays Energy LP	2,464	2,464	2,464	2,464	2,464	2,464	2,464
Henk Paving	0	1	1	1	1	1	1
Std. Gypsum	258	258	258	258	258	258	258
Total Mid Basin Industrial/SE (Canyon Reservoir)	10,292	10,293	10,293	10,293	10,293	10,293	10,293
Lower Basin - At or Below Victoria							
Coleto Creek	4,000	4,000	6,000	6,000	6,000	6,000	6,000
Ineous (BP)	1,100	0	0	0	0	0	0
Seadrift Coke	334	0	0	0	0	0	0
Dow/UCC	100	0	0	0	0	0	0
Total Lower Basin Industrial/SE (Canyon Reservoir)	5,534	4,000	6,000	6,000	6,000	6,000	6,000
Irrigation (Canyon Reservoir)							
Irrigation Contracts (Upper Basin)	173	188	188	188	188	188	188
Irrigation Contracts (Mid-Basin)	736	608	608	608	608	608	608
Canyon Reservoir Total	57,747	86,883	96,509	103,447	109,746	118,450	127,384
Mid-Basin Municipal (Run-of-River)							
Lockhart	1,120	1,120	1,120	1,120	1,120	1,120	1,120
Luling	1,680	1,680	1,680	1,680	1,680	1,680	1,680
Mid-Basin Municipal (Run-of-River) Total	2,800	2,800	2,800	2,800	2,800	2,800	2,800
Lower Basin Municipal (Run-of-River, Firm)							
Calhoun County Rural WSC	356	436	516	572	609	618	632
Port Lavaca	1,658	1,769	1,877	1,981	2,079	2,209	2,345
Port O'Conner MUD	186	198	210	222	234	248	264
Total Lower Basin Municipal (Run-of-River, Firm)	2,200	2,403	2,603	2,775	2,922	3,075	3,241
Lower Basin Industrial/SE (Run-of-River, Firm)							
Ineous (BP)	2,200	3,300	3,300	3,300	3,300	3,300	3,300
Seadrift Coke	666	1,000	1,000	1,000	1,000	1,000	1,000
Victoria County Industry	0	0	2,969	5,921	8,860	11,489	14,441
Dow/UCC	15,000	15,100	15,100	15,100	15,100	15,100	15,100
Dow/UCC and Other Existing & New Industry	5,356	7,868	10,647	13,045	15,422	17,520	20,167
Total Lower Basin Industrial/SE (Run-of-River, Firm)	23,222	27,268	33,016	38,366	43,682	48,409	54,008
Lower Basin Industrial/SE (Run-of-River, Interruptible)							
Exelon	0	0	75,000	75,000	75,000	75,000	75,000
Total Lower Basin Industrial/SE (Run-of-River, Interruptible)	0	0	75,000	75,000	75,000	75,000	75,000
Lower Basin Irrigation (Run-of-River, Interruptible)							
Irrigation Agreements	8,077	15,568	13,654	12,096	11,041	10,285	9,581
Lower Basin (Run-of-River, Firm) Total	25,422	29,671	35,619	41,141	46,604	51,484	57,249
Lower Basin (Run-of-River, Interruptible) Total	8,077	15,568	88,654	87,096	86,041	85,285	84,581
Total Demand	94,046	134,922	223,582	234,484	245,191	258,019	272,014
Total Upper Basin Demand	4,933	18,391	18,391	20,520	22,096	25,637	28,987
Total Mid-Basin Demand	46,780	66,052	73,678	78,487	83,210	88,373	93,957
Total Lower Basin Demand	42,333	50,479	131,513	135,477	139,885	144,009	149,070
Total Demand	94,046	134,922	223,582	234,484	245,191	258,019	272,014

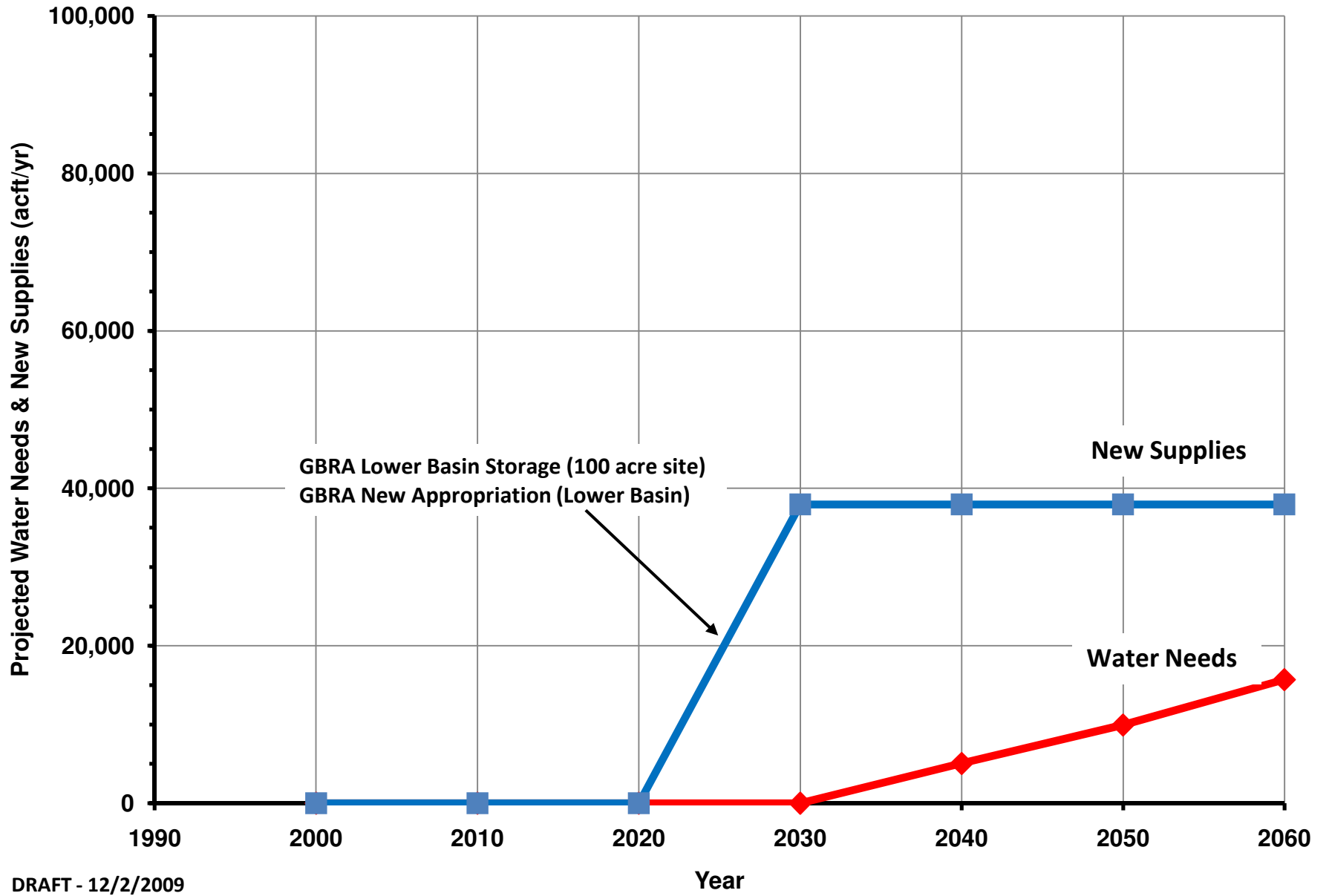
12/2/2009 DRAFT

Existing Supplies (acft/yr):							
Source	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Canyon Reservoir	87,700	87,575	87,450	87,325	87,200	87,075	86,950
Mid-Basin Rights	0	0	0	0	0	0	0
Lower Basin Rights (Interruptible, Daily Basis)	133,953	133,953	133,953	133,953	133,953	133,953	133,953
Lower Basin Rights (Firm, Daily Basis)	41,548	41,548	41,548	41,548	41,548	41,548	41,548
Total Supply	263,201	263,076	262,951	262,826	262,701	262,576	262,451
Projected Management Supplies or Needs (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Canyon Reservoir Mgmt. Supplies / (Needs)	29,953	692	(9,059)	(16,122)	(22,546)	(31,375)	(40,434)
Mid-Basin Run-of-River Mgmt. Supplies / (Needs)	(2,800)	(2,800)	(2,800)	(2,800)	(2,800)	(2,800)	(2,800)
Lower Basin Run-of-River Firm Mgmt. Supplies / (Needs)	16,126	11,877	5,929	407	(5,056)	(9,936)	(15,701)
Lower Basin Run-of-River Interruptible Mgmt. Supplies / (Needs)	125,876	118,385	45,299	46,857	47,912	48,668	49,372
Total System Management Supplies / (Needs)	169,155	128,154	39,369	28,342	17,510	4,558	(9,563)
Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ¹							
Wimberley/Woodcreek Project ²		4,480	4,480	4,480	4,480	4,480	4,480
Simsboro Groundwater Project ^{3,9}			30,000	30,000	30,000	50,000	50,000
Regional Carrizo for Guadalupe Basin ^{4,9}			25,000	25,000	25,000	25,000	25,000
GBRA Mid-Basin/Gonzales Project (Conjunctive Use) ^{4,9}							
GBRA Mid-Basin/Gonzales Project (Surface Water Only) ⁴							
GBRA/Exelon Project ⁶			49,126	49,126	49,126	49,126	49,126
GBRA Lower Basin Storage (100 acre Site) ⁷				26,452	26,452	26,452	26,452
GBRA New Appropriation (Lower Basin) ⁸				11,500	11,500	11,500	11,500
Western Canyon WTP Expansion						5,600	5,600
Upper & Mid-Basin Management Supplies w/Recommended WMS		2,372	47,621	40,558	34,134	50,906	41,846
Lower Basin Firm Management Supplies w/Recommended WMS		11,877	5,929	38,359	32,896	28,016	22,251
Lower Basin Interruptible Mgmt. Supplies w/Recommended WMS		118,385	45,299	17,905	18,960	19,716	20,420
Alternative WMS							
LGWSP for Upstream GBRA Needs ⁵			60,000	60,000	60,000	60,000	60,000
LGWSP for Upstream GBRA Needs - Reduced Capacity ⁵			35,000	35,000	35,000	35,000	35,000
GBRA Lower Basin Storage (500 acre Site) ⁷			54,452	54,452	54,452	54,452	54,452
WMS Needing Further Study Prior to Implementation							
Storage Above Canyon Reservoir (Off-Channel or ASR)							
Brush Management Above Canyon Reservoir							
Seawater Desalination for Guadalupe River Basin							
¹ Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWP.							
² Project includes facilities to deliver treated water developed by one or more existing or recommended WMS.							
³ Source of water is Simsboro Aquifer in Regions K and G with delivery to the San Marcos WTP.							
⁴ Source(s) of water include groundwater and/or a new appropriation of surface water to be withdrawn in Gonzales County and treated at the Luling and San Marcos WTPs. Sources and facilities will be determined in the formulation and permitting phases of project development.							
⁵ Project includes diversion, storage, transmission, treatment, and integration facilities necessary to deliver water available under existing GBRA/Dow water rights from the GBRA Calhoun Canal System to meet projected needs in the upper and mid-basin areas.							
⁶ Project includes diversion, transmission, and cooling reservoir facilities necessary for operations of a proposed nuclear power plant in Victoria County. Firm yield shown is equivalent to consumptive water use through forced evaporation in the cooling reservoir and cooling towers and is developed through storage of interruptible diversions of up to 75,000 acft/yr under existing GBRA/Dow water rights.							
⁷ Phased development of off-channel storage to increase the reliability of interruptible run-of-river supplies available under existing GBRA/Dow water rights. Firm yield estimate based on off-channel storage of 2,500 acft.							
⁸ Project subject to senior water rights, full application of environmental flow standards adopted pursuant to Section 11.1471 of the Texas Water Code, and the TCEQ permitting process. Firm yield estimate based on off-channel storage of 100,000 acft.							
⁹ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS.							

Guadalupe-Blanco River Authority > Upper- & Mid-Basin Areas



Guadalupe-Blanco River Authority > Lower Basin Firm Supply



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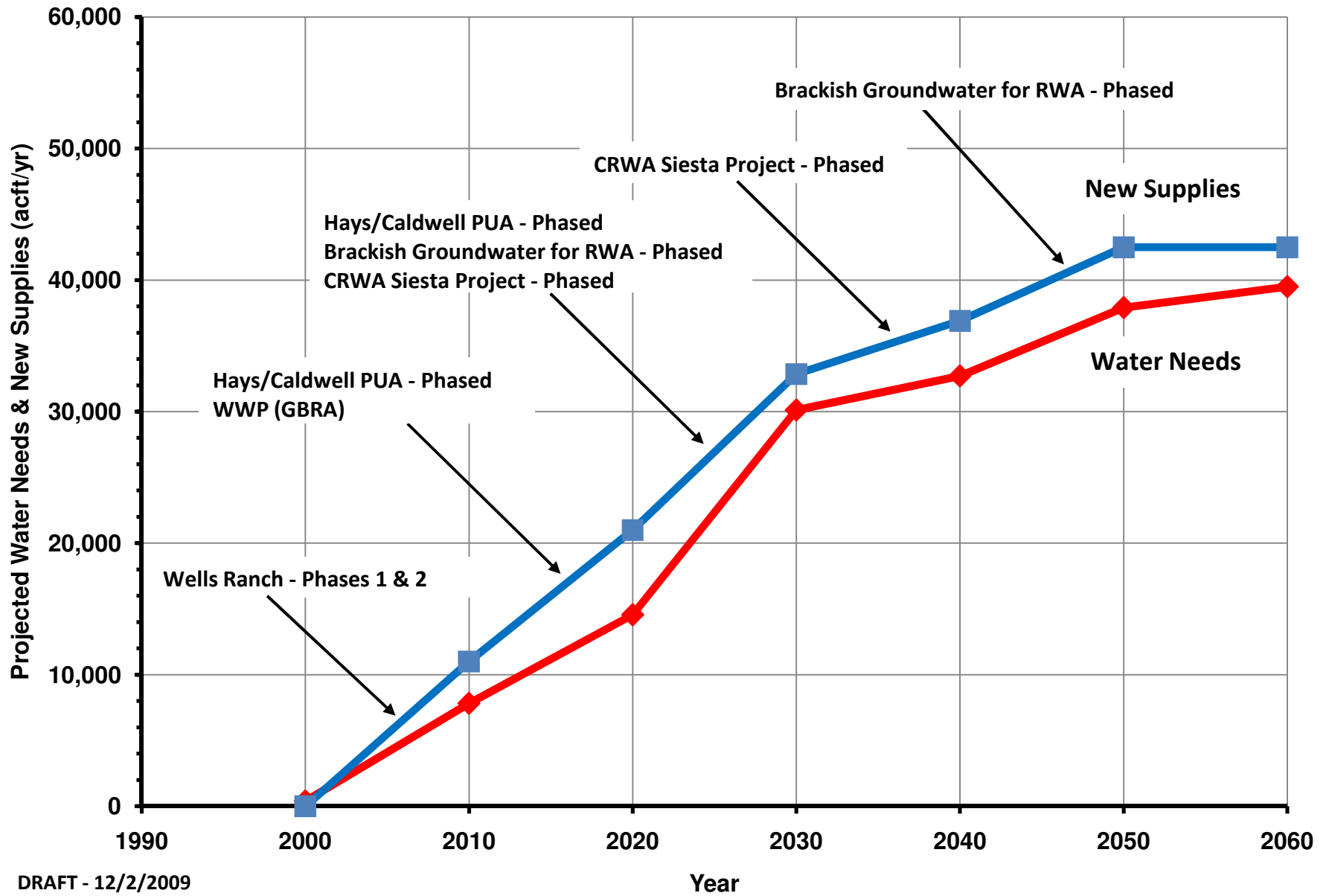
Canyon Regional Water Authority							
Projected Demands (acft/yr):							
	Year (acft)						
Water Purchaser	2000	2010	2020	2030	2040	2050	2060
Bexar Metropolitan Water District	4,000	6,800	8,800	12,800	13,800	14,505	14,505
City of Cibolo	800	2,050	3,030	8,230	8,730	9,230	9,230
County Line WSC	1,267	1,308	1,878	1,878	1,878	1,878	1,878
East Central WSC	1,400	2,585	2,885	2,635	2,635	2,635	2,635
Green Valley SUD	1,800	2,500	3,600	9,300	9,800	10,800	11,300
City of La Vernia	0	400	400	400	400	400	400
City of Marion	100	200	300	500	500	500	500
Martindale	158	190	190	190	190	190	190
Martindale WSC	288	396	396	696	896	896	896
Springs Hills WSC	1,925	2,025	2,025	2,025	2,025	2,025	2,025
SS WSC	0	0	0	0	0	0	690
Maxwell WSC	867	900	1,300	1,700	2,100	2,500	2,900
Crystal Clear WSC	382	1,600	2,895	2,895	2,895	5,485	5,485
Total Demand	12,987	20,954	27,699	43,249	45,849	51,044	52,634
Supply:							
	Year (acft)						
Source	2000	2010	2020	2030	2040	2050	2060
GBRA - Lake Dunlap	10,025	10,575	10,575	10,575	10,575	10,575	10,575
GBRA - Hays/Caldwell	2,038	2,038	2,038	2,038	2,038	2,038	2,038
Water Right Leases	521	521	521	521	521	521	521
Total Supply	12,584	13,134	13,134	13,134	13,134	13,134	13,134
Projected Needs:							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Total System Management Supplies/(Needs)	(403)	(7,820)	(14,565)	(30,115)	(32,715)	(37,910)	(39,500)
Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ¹							
Wells Ranch - Phase 1 ³		5,200	5,200	5,200	5,200	5,200	5,200
Wells Ranch - Phase 2 ³		5,800	5,800	5,800	5,800	5,800	5,800
Hays/Caldwell PUA ³			5,000	10,260	10,260	10,260	10,260
WWP (GBRA)			5,000	5,000	5,000	5,000	5,000
Brackish Wilcox Groundwater for RWA ³				5,600	5,600	11,200	11,200
CRWA Siesta Project				1,000	5,042	5,042	5,042
Total Recommended WMS		11,000	21,000	32,860	36,902	42,502	42,502
Management Supplies with Recommended WMS²		3,180	6,435	2,745	4,187	4,592	3,002
Alternative WMS²							
CRWA Dunlap Project			5,600	5,600	5,600	5,600	5,600

¹ Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWPWG.

² Management Supplies and Alternative WMS are included in the event that Recommended WMS are not fully developed.

³ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS.

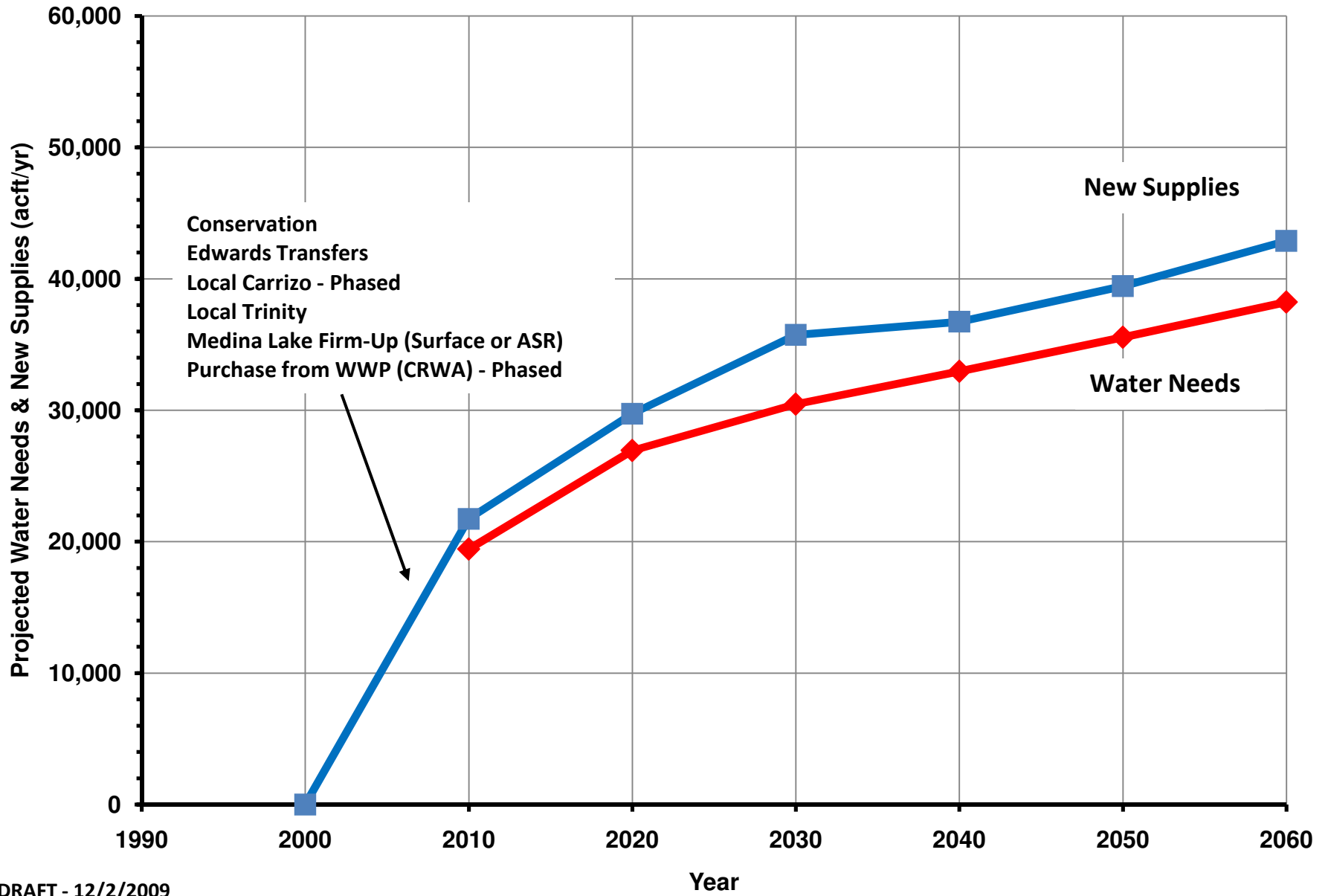
Canyon Regional Water Authority



DRAFT - 12/2/2009

Bexar Met Water District							
Projected Demands (acft/yr):							
	Year (acft)						
Water Purchaser	2000	2010	2020	2030	2040	2050	2060
Bexar Met Water District (Atascosa County)	389	505	621	715	780	843	895
Bexar Met Water District (Bexar County)	8,794	8,897	9,032	9,109	9,110	9,248	9,449
Bexar Met Water District (Comal County)	230	462	748	1,059	1,344	1,654	2,001
Bexar Met Water District (Medina County)	15	24	33	41	47	54	60
Castle Hills	838	820	807	793	780	771	771
Hill Country Village	842	838	835	831	828	826	826
Hollywood Park	2,229	2,314	2,389	2,458	2,511	2,565	2,616
San Antonio	21,419	24,654	27,471	30,157	32,187	34,150	36,107
Somerset	321	405	484	552	609	660	709
East Central WSC	1,400	1,400	1,400	1,400	1,400	1,400	1,400
Converse	0	1,500	1,500	1,500	1,500	1,500	1,500
Live Oak	0	1,000	1,000	1,000	1,000	1,000	1,000
Total Demand	36,477	42,819	46,320	49,615	52,096	54,671	57,334
Supply:							
	Year (acft)						
Source	2000	2010	2020	2030	2040	2050	2060
Run-of-River	3,797	3,797	3,797	3,797	3,797	3,797	3,797
CRWA (Canyon Reservoir)	4,000	4,000	0	0	0	0	0
Trinity Aquifer (Bexar & Comal Counties)	1,543	1,543	1,543	1,543	1,543	1,535	1,535
Carrizo Aquifer (Bexar County)	1,000	1,000	1,000	770	757	745	735
Medina Lake System	0	0	0	0	0	0	0
Edwards Aquifer	13,036	13,036	13,036	13,036	13,036	13,036	13,036
Total Supply	23,376	23,376	19,376	19,146	19,133	19,113	19,103
Projected Needs:							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Total System Management Supplies/(Needs)	(13,101)	(19,443)	(26,944)	(30,469)	(32,963)	(35,558)	(38,231)
Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ¹							
Edwards Transfers (Leases)		3,000	3,000	3,000	3,000	3,000	3,000
Surface Water Rights ²		0	0	0	0	0	0
Local Carrizo		4,000	6,000	8,000	8,000	10,000	13,444
Local Trinity		2,000	2,000	2,000	2,000	2,000	2,000
Medina Lake Firm-Up (Surface or ASR)		9,933	9,933	9,933	9,933	9,933	9,933
WWP (CRWA)		2,800	8,800	12,800	13,800	14,505	14,505
Transmission Systems ⁴		0	0	0	0	0	0
Total Recommended WMS		21,733	29,733	35,733	36,733	39,438	42,882
Management Supplies with Recommended WMS⁵		2,290	2,789	5,264	3,770	3,880	4,651
Alternative WMS⁵							
WMS Needing Further Study Prior to Implementation							
Regional Carrizo ³							
¹ Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWPG.							
² Purchase of junior water rights on the Medina River likely to have little, if any firm yield. Such water rights could be used in non-drought years and/or as part of the Medina Lake Firm-Up WMS.							
³ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS.							
⁴ Systems and pipelines have no associated firm yield, but are necessary to deliver new sources of supply to BMWD customers.							
⁵ Management Supplies and Alternative WMS are included in the event that Recommended WMS are not fully developed.							

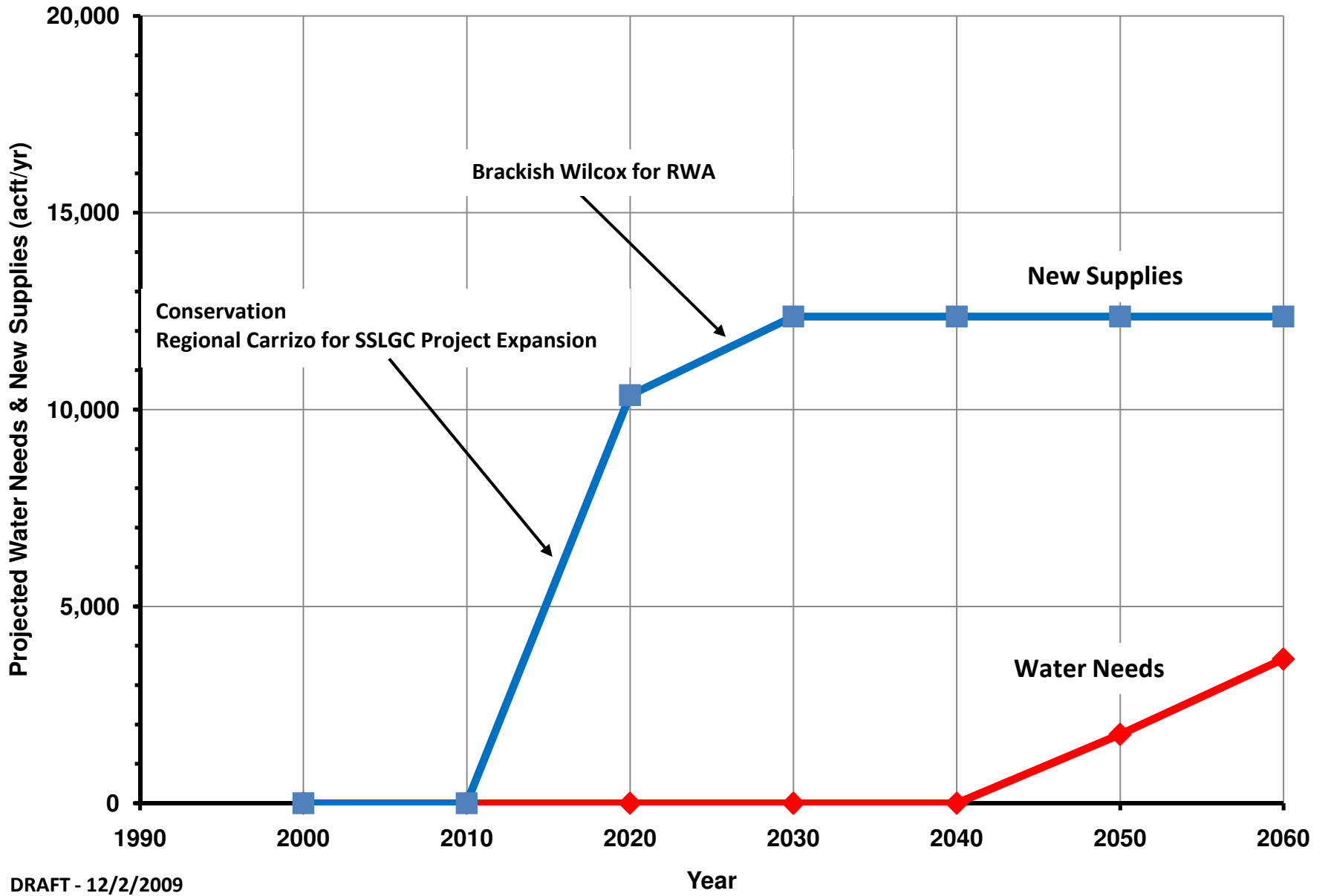
Bexar Metropolitan Water District



DRAFT - 12/2/2009

Schertz-Seguin Local Government Corporation							
Projected Demands (acft/yr):							
Water Purchaser	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Schertz	5,143	5,143	5,143	6,082	7,567	9,258	11,066
Seguin	5,144	5,144	5,144	5,144	5,144	5,144	5,144
Selma	760	760	760	760	760	760	760
Springs Hill WSC	560	560	560	560	560	560	560
Universal City	759	759	759	759	759	759	759
Crystal Clear WSC	0	0	300	600	900	900	900
Garden Ridge	0	135	217	311	405	502	609
Total Demand	12,366	12,501	12,883	14,216	16,095	17,883	19,798
Supply:							
Source	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Carrizo Aquifer (Gonzales County) ¹	12,910	12,910	12,910	12,910	12,910	12,910	12,910
Carrizo Aquifer Guadalupe County) ¹		3,226	3,226	3,226	3,226	3,226	3,226
Total Supply	12,910	16,136	16,136	16,136	16,136	16,136	16,136
Projected Needs:							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Total System Management Supplies/(Needs)	544	3,635	3,253	1,920	41	(1,747)	(3,662)
Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ²							
Regional Carrizo for SSLGC Project Expansion ³			10,364	10,364	10,364	10,364	10,364
Brackish Wilcox Groundwater for RWA ³				2,000	2,000	2,000	2,000
Regional Carrizo/Brackish Wilcox SSLGC Expansion							
Total Recommended WMS		0	10,364	12,364	12,364	12,364	12,364
Management Supplies with Recommended WMS⁴		3,635	13,617	14,284	12,405	10,617	8,702
Alternative WMS⁴							
¹ Permitted production as of September 2009.							
² Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWPG.							
³ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS.							
⁴ Management Supplies and Alternative WMS are included in the event that Recommended WMS are not fully developed.							

Schertz-Seguin Local Government Corporation



12/2/2009 DRAFT

Springs Hill WSC							
Projected Demands (acft/yr):							
	Year (acft)						
Water Purchaser	2000	2010	2020	2030	2040	2050	2060
Springs Hill WSC	2,076	2,349	2,679	3,056	3,424	3,849	4,330
La Vernia (via CRWA)	400	400	400	400	400	400	400
Crystal Clear WSC	250	250	250	250	250	250	250
East Central WSC (via CRWA)	385	385	385	385	385	385	385
Total Demand	3,111	3,384	3,714	4,091	4,459	4,884	5,365
Supply:							
	Year (acft)						
Source	2000	2010	2020	2030	2040	2050	2060
GBRA (Canyon Reservoir)	1,925	2,025	2,025	2,025	2,025	2,025	2,025
CRWA (Canyon Reservoir)	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Carrizo Aquifer (Guadalupe County) ¹	1,050	1,050	1,050	1,050	1,050	1,050	1,050
Carrizo Aquifer (Gonzales County) (SSLGC)	560	560	560	560	560	560	560
Total Supply	6,035	6,135	6,135	6,135	6,135	6,135	6,135
Projected Needs:							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Total System Management Supplies/(Needs)	2,924	2,751	2,421	2,044	1,676	1,251	770
Water Management Strategies (WMS) with Estimated Firm Yield (acft/yr):							
	Year (acft)						
	2000	2010	2020	2030	2040	2050	2060
Recommended WMS							
Conservation ²							
Regional Carrizo for Guadalupe Basin (SJW) ^{3,4}			1,500	3,000	3,000	3,000	3,000
Brackish Wilcox Groundwater for RWA ⁴			1,500	1,500	1,500	1,500	1,500
Lake Placid WTP Expansion ⁵							
Total Recommended WMS		0	3,000	4,500	4,500	4,500	4,500
Management Supplies with Recommended WMS⁶		2,751	5,421	6,544	6,176	5,751	5,270
Alternative WMS⁶							
¹ Beyond 2025, there is uncertainty as to continued availability of supply from three existing Mesa wells.							
² Assigned by Water User Group (WUG) based on Municipal Conservation WMS recommended by SCTRWPG.							
³ SHWSC proposes a Regional Carrizo project in cooperation with San Jose Water (SJW) serving participants and customers in the Guadalupe River Basin from a proposed well field in Gonzales County.							
⁴ Part or all of the water needed by this Water Management Strategy (WMS) is anticipated to be supplied from locations within the jurisdiction of a groundwater conservation district (District) and may exceed the amount of available water identified in the District's approved management plan, or may for other reasons not be permitted by the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, cannot be implemented as part of this WMS unless and until all necessary permits are received from the District. The amount of water needed by this WMS that exceeds the available water in the District's management plan, or for other reasons is not permitted by the District, introduces an added element of uncertainty to reliance upon this WMS and, therefore, additional management supplies may be needed for this WMS.							
⁵ Water treatment plant expansion is necessary to treat currently contracted surface water supplies for delivery to customers.							
⁶ Management Supplies and Alternative WMS are included in the event that Recommended WMS are not fully developed.							

Springs Hill Water Supply Corporation

