

**Table C-1
Ables Springs Water Supply Corporation**

Regions C and D (Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,662	7,336	9,354	11,824	14,931	18,873
Projected Water Demand						
Municipal Demand	383	494	630	796	1,006	1,271
Total Projected Water Demand	383	494	630	796	1,006	1,271
Currently Available Water Supplies						
North Texas Municipal Water District	294	306	347	397	450	498
Total Current Supplies	294	306	347	397	450	498
Need (Demand - Current Supply)	89	188	283	399	556	773
Water Management Strategies						
Water Conservation	3	4	5	8	12	17
Additional Water from NTMWD	86	184	278	391	544	756
Total Water Management Strategies	89	188	283	399	556	773
Reserve (Shortage)	0	0	0	0	0	0

**Table C-2
Addison**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	14,539	17,431	20,323	23,215	26,107	29,000
Projected Water Demand						
Municipal Demand	6,002	7,113	8,235	9,376	10,536	11,701
Total Projected Water Demand	6,002	7,113	8,235	9,376	10,536	11,701
Currently Available Water Supplies						
Dallas Water Utilities	5,723	6,168	6,377	6,694	7,036	7,443
Total Current Supplies	5,723	6,168	6,377	6,694	7,036	7,443
Need (Demand - Current Supply)	279	945	1,858	2,682	3,500	4,258
Water Management Strategies						
Water Conservation	110	184	247	313	386	468
Additional Water from DWU	169	761	1,611	2,369	3,114	3,790
Total Water Management Strategies	279	945	1,858	2,682	3,500	4,258
Reserve (Shortage)	0	0	0	0	0	0

**Table C-3
Aledo**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,320	8,320	12,620	13,258	13,258	13,258
Projected Water Demand						
Municipal Demand	822	1,262	1,900	1,992	1,991	1,990
Total Projected Water Demand	822	1,262	1,900	1,992	1,991	1,990
Currently Available Water Supplies						
Trinity Aquifer	398	398	398	398	398	398
Fort Worth (TRWD)	626	898	1,208	1,152	1,122	1,031
Total Current Supplies	1,024	1,296	1,606	1,550	1,520	1,429
Need (Demand - Current Supply)	0	0	294	442	471	561
Water Management Strategies						
Water Conservation	7	13	19	27	33	40
Add'l Water from Fort Worth (TRWD) with infrastructure as below:	25	203	540	693	836	919
Existing pipeline & pump station (3 MGD)	25	203	474	530	560	651
New parallel pipeline & pump station (0.5 MGD)			67	164	277	269
Total Water Management Strategies	32	216	559	720	869	959
Reserve (Shortage)	234	250	265	278	398	398

**Table C-4
Allen**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	98,500	98,500	98,500	98,500	98,500	98,500
Projected Water Demand						
Municipal Demand	20,533	20,336	20,215	20,139	20,108	20,106
Manufacturing Demand (3% Collin Co)	104	117	130	141	153	166
Total Projected Water Demand	20,637	20,453	20,345	20,280	20,261	20,272
Currently Available Water Supplies						
North Texas Municipal Water District	18,917	15,582	14,277	13,407	12,545	11,611
NTMWD for Manufacturing	96	89	92	94	96	96
Total Current Supplies	19,013	15,671	14,369	13,501	12,641	11,707
Need (Demand - Current Supply)	1,624	4,782	5,976	6,779	7,620	8,565
Water Management Strategies						
Water Conservation	763	953	1,002	1,047	1,113	1,180
Water Conservation (manufacturing)	0	0	3	4	4	5
Additional Water from NTMWD	853	3,801	4,936	5,685	6,450	7,315
Additional NTMWD for Manufacturing	8	28	35	43	53	65
Total Water Management Strategies	1,624	4,782	5,976	6,779	7,620	8,565
Reserve (Shortage)	0	0	0	0	0	0

**Table C-5
Alvord**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,625	1,957	2,297	2,800	3,200	3,600
Projected Water Demand						
Municipal Demand	110	132	155	189	216	242
Total Projected Water Demand	110	132	155	189	216	242
Currently Available Water Supplies						
Trinity Aquifer	151	151	151	151	151	151
Total Current Supplies	151	151	151	151	151	151
Need (Demand - Current Supply)	0	0	4	38	65	91
Water Management Strategies						
Water Conservation	1	1	2	3	4	5
West Wise SUD (TRWD)	0	0	2	35	61	86
Total Water Management Strategies	1	1	4	38	65	91
Reserve (Shortage)	42	20	0	0	0	0

**Table C-6
Anna**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	11,943	13,929	22,984	31,000	59,000	89,000
Projected Water Demand						
Municipal Demand	1,898	2,190	3,588	4,826	9,167	13,820
Total Projected Water Demand	1,898	2,190	3,588	4,826	9,167	13,820
Currently Available Water Supplies						
Trinity Aquifer	216	216	216	216	216	216
Woodbine Aquifer	706	706	706	706	706	706
North Texas Municipal Water District (GTUA Collin-Grayson Municipal Alliance)	899	972	1,668	1,668	1,668	1,668
Total Current Supplies	1,821	1,894	2,590	2,590	2,590	2,590
Need (Demand - Current Supply)	77	296	998	2,236	6,577	11,230
Water Management Strategies						
Water Conservation	79	211	36	64	153	276
Expand Collin-Grayson Municipal Alliance, Additional Water from GTUA/NTMWD	0	85	962	2,172	6,424	10,954
Total Water Management Strategies	79	296	998	2,236	6,577	11,230
Reserve (Shortage)	2	0	0	0	0	0
Alternate Water Management Strategy						
Grayson County Water Supply Project (Sherman WTP)	0	85	962	2,172	6,424	10,954

**Table C-7
Annetta**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,678	2,068	2,458	2,848	3,238	3,628
Projected Water Demand						
Municipal Demand	152	179	208	238	270	302
Total Projected Water Demand	152	179	208	238	270	302
Currently Available Water Supplies						
Trinity Aquifer	354	354	354	354	354	354
Total Current Supplies	354	354	354	354	354	354
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	2	2	3	5	6
Weatherford (Tarrant Regional WD)	0	25	28	35	90	196
Total Water Management Strategies	1	27	30	38	95	202
Reserve (Shortage)	203	202	176	154	179	254

**Table C-8
Annetta North**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	559	608	664	729	804	891
Projected Water Demand						
Municipal Demand	67	71	76	83	91	100
Total Projected Water Demand	67	71	76	83	91	100
Currently Available Water Supplies						
Trinity Aquifer	100	100	100	100	100	100
Total Current Supplies	100	100	100	100	100	100
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Weatherford (Tarrant Regional WD)	0	0	7	16	25	38
Total Water Management Strategies	1	1	8	17	27	40
Reserve (Shortage)	34	30	32	34	36	40

**Table C-9
Annetta South**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	526	526	526	526	526	526
Projected Water Demand						
Municipal Demand	63	60	58	57	57	57
Total Projected Water Demand	63	60	58	57	57	57
Currently Available Water Supplies						
Trinity Aquifer	69	69	69	69	69	69
Total Current Supplies	69	69	69	69	69	69
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	1	1
Weatherford (Tarrant Regional WD)	0	0	5	10	16	22
Total Water Management Strategies	1	1	6	11	17	23
Reserve (Shortage)	7	10	17	23	29	35

**Table C-10
Argyle**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,000	9,000	13,000	13,000	13,000	13,000
Projected Water Demand						
Municipal Demand	1,395	2,064	2,966	2,961	2,960	2,959
Total Projected Water Demand	1,395	2,064	2,966	2,961	2,960	2,959
Currently Available Water Supplies						
Argyle WSC (groundwater)	450	450	450	450	450	450
Argyle WSC (UTRWD)	840	1,156	1,458	1,194	1,094	962
Total Current Supplies	1,290	1,606	1,908	1,644	1,544	1,412
Need (Demand - Current Supply)	105	458	1,058	1,317	1,416	1,547
Water Management Strategies						
Water Conservation	36	100	158	168	178	187
Additional Water from Argyle WSC	69	403	990	1,286	1,419	1,541
Total Water Management Strategies	105	503	1,148	1,454	1,597	1,728
Reserve (Shortage)	0	45	90	137	181	181

Table C-11
Argyle Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population						
Outside Argyle	5,040	5,040	5,040	5,040	5,040	5,040
In Argyle	6,000	9,000	13,000	13,000	13,000	13,000
Total Population Served	11,040	14,040	18,040	18,040	18,040	18,040
Projected Water Demand						
Outside Argyle	996	991	990	990	989	989
In Argyle	1,395	2,064	2,966	2,961	2,960	2,959
Total Projected Demand	2,391	3,055	3,956	3,951	3,949	3,948
Currently Available Water Supplies						
Groundwater (outside Argyle)	500	500	500	500	500	500
Groundwater (inside Argyle)	450	450	450	450	450	450
UTRWD (outside Argyle)	601	555	488	400	366	320
UTRWD (inside Argyle)	840	1,156	1,458	1,194	1,094	962
Total Current Supplies	2,391	2,661	2,896	2,544	2,410	2,232
Need (Demand - Current Supply)	0	394	1,060	1,407	1,539	1,716
Water Management Strategies						
Water Conservation (outside Argyle)	24	38	42	45	48	51
Water Conservation (inside Argyle)	36	100	158	168	178	187
Add'l Water from UTRWD (outside Argyle)	0	0	59	196	275	318
Add'l Water from UTRWD (inside Argyle)	69	403	990	1,286	1,419	1,541
Total Water Management Strategies	129	541	1,249	1,695	1,920	2,097
Reserve (Shortage)	129	147	189	288	381	381

Table C-12
Arlington

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	387,725	412,746	421,748	426,308	428,127	428,403
Projected Water Demand						
Municipal Demand	66,936	69,550	69,852	69,949	70,108	70,148
Manufacturing and Customer Demand	5,270	5,887	7,056	7,654	8,783	9,391
Total Projected Demand	72,206	75,437	76,908	77,603	78,891	79,539
Currently Available Water Supplies						
Fort Worth (Reuse)	178	178	178	178	178	178
Tarrant Regional Water District	66,936	64,333	57,292	50,635	45,455	40,404
TRWD for Manufacturing	2,275	2,623	2,650	2,599	2,525	2,433
Total Current Supplies	69,389	67,134	60,120	53,412	48,158	43,015
Need (Demand - Current Supply)	2,817	8,303	16,788	24,191	30,733	36,524
Water Management Strategies						
Water Conservation	1,284	1,962	2,216	2,332	2,571	2,806
Water Conservation (customers)	31	50	104	146	176	200
Additional Water from TRWD	0	4,780	12,711	19,936	26,082	31,464
Total Water Management Strategies	1,315	6,792	15,031	22,414	28,829	34,470
Reserve (Shortage)	-1,502	-1,511	-1,757	-1,777	-1,904	-2,054

Note: Customer demand includes part of Tarrant County Manufacturing and planned sales to Bethesda WSC, Grand Prairie, and Pantego. See Appendix H for details on demands.

Table C-13
Athens (Total of Region C and Region I)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	14,562	16,252	17,661	19,520	33,353	50,372
Projected Water Demand						
Municipal Demand	2,973	3,244	3,473	3,809	6,484	9,782
Henderson County Manufacturing	345	356	368	380	391	403
Total Projected Demand	3,318	3,600	3,841	4,189	6,875	10,185
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	845	845	845	845	845	845
Athens MWA (for Athens)	2,128	2,381	2,472	2,603	3,461	3,979
Athens MWA (for Manufacturing)	345	353	346	334	240	179
Total Current Supplies	3,318	3,578	3,662	3,782	4,546	5,003
Need (Demand - Current Supply)	0	22	179	407	2,329	5,182
Water Management Strategies						
Water Conservation	59	98	119	144	277	457
Additional Water from Athens MWA	1,254	1,330	1,391	1,469	1,878	2,140
Total Water Management Strategies	1,313	1,428	1,510	1,613	2,155	2,597
Reserve (Shortage)	1,313	1,406	1,331	1,206	-174	-2,585

Table C-14
Aubrey

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population - Aubrey	4,726	6,284	7,349	8,713	10,459	12,693
Projected Population - Out City Limits (Denton County Other)	1,030	12,400	21,474	35,190	40,990	42,441
Projected Population	5,756	18,684	28,823	43,903	51,449	55,134
Projected Water Demand						
Municipal Demand - Aubrey	563	731	847	999	1,197	1,452
Municipal Demand - Denton Co Other	129	1,528	2,646	4,297	4,959	5,134
Total Projected Demand	692	2,259	3,493	5,296	6,156	6,586
Currently Available Water Supplies						
Upper Trinity Regional Water District	563	568	516	484	517	550
UTRWD for Denton Co Other	129	1,188	1,611	2,082	2,142	1,946
Total Current Supplies	692	1,756	2,127	2,566	2,659	2,496
Need (Demand - Current Supply)	0	503	1,366	2,730	3,497	4,090
Water Management Strategies						
Water Conservation	5	8	8	13	20	29
Add'l Water from UTRWD-Aubrey	0	155	323	502	660	873
Add'l Water from UTRWD-Denton Co Other	0	340	1,034	2,215	2,817	3,188
Total Water Management Strategies	5	503	1,365	2,730	3,497	4,090
Reserve (Shortage)	5	0	0	0	0	0

**Table C-15
Aurora**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,546	1,918	2,300	2,800	3,300	3,900
Projected Water Demand						
Municipal Demand	134	159	186	224	263	311
Total Projected Demand	134	159	186	224	263	311
Currently Available Water Supplies						
Trinity Aquifer	63	63	63	63	63	63
Rhome (from Walnut Ck. SUD and TRWD)	71	87	99	114	113	107
Total Current Supplies	134	150	162	177	176	170
Need (Demand - Current Supply)	0	9	24	47	87	141
Water Management Strategies						
Water Conservation	1	2	2	3	4	6
Rhome (from Walnut Ck. SUD and TRWD)	0	7	22	44	83	135
Total Water Management Strategies	1	9	24	47	87	141
Reserve (Shortage)	1	0	0	0	0	0

**Table C-16
Azle**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	11,857	12,854	13,868	14,897	18,000	23,090
Projected Water Demand						
Municipal Demand	1,858	1,958	2,068	2,198	2,647	3,390
Total Projected Demand	1,858	1,958	2,068	2,198	2,647	3,390
Currently Available Water Supplies						
Tarrant Regional Water District (limited by treatment plant capacity)	1,682	1,682	1,664	1,562	1,678	1,682
Total Current Supplies	1,682	1,682	1,664	1,562	1,678	1,682
Need (Demand - Current Supply)	177	277	404	636	969	1,709
Water Management Strategies						
Water Conservation	15	22	21	29	44	68
Additional Raw Water Needed from TRWD with treatment as below:	162	255	383	607	925	1,641
3 MGD WTP Expansion (TRWD)	162	255	383	607	925	1,641
Total Water Management Strategies	177	277	404	636	969	1,709
Reserve (Shortage)	0	0	0	0	0	0

**Table C-17
Balch Springs**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	26,423	28,980	31,606	34,456	37,233	40,018
Projected Water Demand						
Municipal Demand	2,750	2,895	3,067	3,294	3,547	3,809
Total Projected Demand	2,750	2,895	3,067	3,294	3,547	3,809
Currently Available Water Supplies						
Dallas	2,622	2,510	2,375	2,352	2,369	2,423
Total Current Supplies	2,622	2,510	2,375	2,352	2,369	2,423
Need (Demand - Current Supply)	128	385	692	942	1,178	1,386
Water Management Strategies						
Water Conservation	23	33	31	44	59	76
Additional Dallas	105	352	661	898	1,119	1,310
Total Water Management Strategies	128	385	692	942	1,178	1,386
Reserve (Shortage)	0	0	0	0	0	0

**Table C-18
Bardwell**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	831	1,063	1,333	1,650	2,024	4,500
Projected Water Demand						
Municipal Demand	71	86	105	129	158	348
Total Projected Demand	71	86	105	129	158	348
Currently Available Water Supplies						
Woodbine Aquifer and Desalination	47	42	37	32	28	28
Rockett SUD	17	25	31	37	40	71
Total Current Supplies	64	67	68	69	68	99
Need (Demand - Current Supply)	7	19	37	60	90	249
Water Management Strategies						
Water Conservation	1	1	1	2	3	7
Additional Rockett SUD	6	18	36	58	87	242
Total Water Management Strategies	7	19	37	60	90	249
Reserve (Shortage)	0	0	0	0	0	0

**Table C-19
Bartonville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,500	5,000	5,000	5,000	5,000	5,000
Projected Water Demand						
Municipal Demand	825	907	903	900	900	899
Total Projected Water Demand	825	907	903	900	900	899
Currently Available Water Supplies						
Groundwater (thru Cross Timbers WSC)	168	168	168	168	168	168
UTRWD (thru Cross Timbers WSC)	656	588	469	378	345	302
Total Current Supplies	824	756	637	546	513	470
Need (Demand - Current Supply)	1	151	266	354	387	429
Water Management Strategies						
Water Conservation	15	24	27	30	33	36
Add'l Water from UTRWD (thru Cross Timbers WSC)	0	144	273	375	421	460
Total Water Management Strategies	15	168	300	405	454	496
Reserve (Shortage)	14	17	34	51	67	67

**Table C-20
Bedford**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	48,100	51,983	55,866	59,750	59,750	59,750
Projected Water Demand						
Municipal Demand	9,139	9,612	10,121	10,711	10,694	10,694
Total Projected Demand	9,139	9,612	10,121	10,711	10,694	10,694
Currently Available Water Supplies						
Trinity Aquifer	725	725	725	725	725	725
Trinity River Authority (TRWD)	8,414	8,088	7,558	7,098	6,320	5,641
Total Current Supplies	9,139	8,813	8,283	7,823	7,045	6,366
Need (Demand - Current Supply)	0	799	1,838	2,888	3,649	4,328
Water Management Strategies						
Water Conservation	1,036	1,122	304	357	392	428
Additional Water from TRA (TRWD)	0	0	1,534	2,531	3,257	3,900
Total Water Management Strategies	1,036	1,122	1,838	2,888	3,649	4,328
Reserve (Shortage)	1,036	323	0	0	0	0

**Table C-21
Bells**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,648	1,943	2,234	2,568	6,000	8,000
Projected Water Demand						
Municipal Demand	175	199	223	254	588	783
Total Projected Demand	175	199	223	254	588	783
Currently Available Water Supplies						
Woodbine Aquifer	175	175	175	175	175	175
Total Current Supplies	175	175	175	175	175	175
Need (Demand - Current Supply)	0	24	48	79	413	608
Water Management Strategies						
Water Conservation	1	2	2	3	10	16
Grayson County Water Supply Project (Sherman)	0	22	46	76	403	592
New well in Woodbine Aquifer		145	145	145	145	145
Total Water Management Strategies	1	169	193	224	558	753
Reserve (Shortage)	1	145	145	145	145	145

**Table C-22
Benbrook**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	22,500	25,000	27,500	32,833	48,095	48,095
Projected Water Demand						
Municipal Demand	5,205	5,659	6,130	7,258	10,605	10,605
Total Projected Demand	5,205	5,659	6,130	7,258	10,605	10,605
Currently Available Water Supplies						
Trinity Aquifer	1,060	1,060	1,060	1,060	1,060	1,060
Tarrant Regional Water District (limited by contract)	3,385	3,385	3,385	3,385	3,385	3,385
Total Current Supplies	4,445	4,445	4,445	4,445	4,445	4,445
Need (Demand - Current Supply)	760	1,214	1,685	2,813	6,160	6,160
Water Management Strategies						
Water Conservation	112	186	227	296	477	512
Additional Raw Water Needed from TRWD beyond current contract with treatment as below:						
	648	1,028	1,458	2,517	5,683	5,648
Existing WTP	648	1,028	1,458	2,517	3,341	3,341
4.25 MGD WT Plant Expansion	0	0	0	0	2,342	2,307
Total Water Management Strategies	760	1,214	1,685	2,813	6,160	6,160
Reserve (Shortage)	0	0	0	0	0	0

**Table C-23
Bethel-Ash Water Supply Corporation (Region C Only*)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region C Population	2,138	2,410	2,637	2,937	3,196	3,447
Projected Water Demand						
Municipal Demand	218	237	254	280	303	327
Total Projected Region C Demand	218	237	254	280	303	327
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	327	327	327	327	327	327
Total Current Supplies	327	327	327	327	327	327
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	3	4	5	7
Total Water Management Strategies	2	3	3	4	5	7
Reserve (Shortage)	111	93	76	51	29	7

*Additional population for Bethel-Ash WSC is located in Regions I & D. The Region C portion is only that population in Henderson County within the Trinity River Basin.

**Table C-24
Bethesda Water Supply Corporation (Regions C and G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	24,614	28,132	31,713	35,503	39,507	43,693
Projected Water Demand						
Municipal Demand	5,162	5,772	6,415	7,132	7,923	8,758
Total Projected Water Demand	5,162	5,772	6,415	7,132	7,923	8,758
Currently Available Water Supplies						
Trinity Aquifer (Region C)	305	305	305	305	305	305
Trinity Aquifer (Region G)	1,979	1,979	1,979	1,979	1,979	1,979
Fort Worth (TRWD)	1,392	1,507	1,571	1,709	1,861	1,999
Total Current Supplies	3,676	3,791	3,855	3,993	4,145	4,283
Need (Demand - Current Supply)	1,486	1,981	2,560	3,139	3,778	4,475
Water Management Strategies						
Water Conservation	35	55	69	83	99	117
Additional Fort Worth	1,067	1,461	1,941	2,410	2,928	3,496
Water from Arlington (TRWD)	1,416	1,619	1,833	2,072	2,336	2,614
Total Water Management Strategies	2,518	3,135	3,843	4,565	5,363	6,227
Reserve (Shortage)	1,032	1,154	1,283	1,426	1,585	1,752

**Table C-25
Blackland Water Supply Corporation (Regions C & D)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,350	3,584	3,850	4,119	4,419	4,737
Projected Water Demand						
Municipal Demand	678	712	754	800	857	918
Total Projected Water Demand	678	712	754	800	857	918
Currently Available Water Supplies						
North Texas Municipal Water District (through Rockwall)	618	540	528	528	530	526
Total Current Supplies	618	540	528	528	530	526
Need (Demand - Current Supply)	60	172	226	272	327	392
Water Management Strategies						
Water Conservation	12	19	22	26	31	36
Direct Connection and Additional Water from NTMWD	48	153	204	246	296	356
Total Water Management Strategies	60	172	226	272	327	392
Reserve (Shortage)	0	0	0	0	0	0

**Table C-26
Blooming Grove**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	909	1,002	1,098	1,208	1,323	1,445
Projected Water Demand						
Municipal Demand	153	164	175	191	209	228
Total Projected Water Demand	153	164	175	191	209	228
Currently Available Water Supplies						
Corsicana	153	106	105	103	99	93
Total Current Supplies	153	106	105	103	99	93
Need (Demand - Current Supply)	0	58	70	88	110	135
Water Management Strategies						
Water Conservation	1	3	4	6	8	9
Additional Water from Corsicana	0	55	66	82	102	126
Trinity Aquifer (New Wells)	160	160	160	160	160	160
Total Water Management Strategies	161	218	230	248	270	295
Reserve (Shortage)	161	160	160	160	160	160

**Table C-27
Blue Mound**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,398	2,403	2,408	2,413	2,418	2,422
Projected Water Demand						
Municipal Demand	191	181	172	167	167	167
Total Projected Water Demand	191	181	172	167	167	167
Currently Available Water Supplies						
Trinity Aquifer	191	191	191	191	191	191
Total Current Supplies	191	191	191	191	191	191
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	2	2	2	3	3
Purchase existing water system from Monarch Utilities						
Total Water Management Strategies	2	2	2	2	3	3
Reserve (Shortage)	2	12	21	26	27	27

**Table C-28
Blue Ridge**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	925	2,000	4,000	12,000	25,000	39,000
Projected Water Demand						
Municipal Demand	92	185	362	1,412	3,221	5,461
Total Projected Water Demand	92	185	362	1,412	3,221	5,461
Currently Available Water Supplies						
Woodbine Aquifer	92	92	92	92	92	92
Total Current Supplies	92	92	92	92	92	92
Need (Demand - Current Supply)	0	93	270	1,320	3,129	5,369
Water Management Strategies						
Water Conservation	1	2	4	19	54	109
Initial Connection & Water from NTMWD	0	109	308	1,363	2,242	2,242
Upsize Connection & Water from NTMWD	0	0	0	0	895	3,080
Total Water Management Strategies	1	111	312	1,382	3,191	5,431
Reserve (Shortage)	1	18	42	62	62	62

**Table C-29
Bolivar Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	12,343	14,705	17,444	20,491	24,004	27,974
Projected Water Demand						
Bolivar WSC Municipal Demand	1,105	1,257	1,447	1,678	1,957	2,277
Total Projected Demand	1,105	1,257	1,447	1,678	1,957	2,277
Currently Available Water Supplies						
Groundwater	1,114	1,114	1,114	1,114	1,114	1,114
Total Current Supplies	1,114	1,114	1,114	1,114	1,114	1,114
Need (Demand - Current Supply)	0	143	333	564	843	1,163
Water Management Strategies						
Water Conservation	9	14	14	22	33	46
Additional Water from UTRWD	0	190	467	776	1,131	1,413
Initial Connection & Water from Gainesville	0	50	75	100	125	150
Total Water Management Strategies	9	254	556	898	1,289	1,609
Reserve (Shortage)	18	111	223	334	446	446

**Table C-30
Bonham**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	12,603	16,000	22,000	30,000	37,000	45,000
Projected Water Demand						
Municipal Demand	2,024	2,506	3,393	4,598	5,663	6,883
Fannin County - Manufacturing	88	97	106	114	124	135
Fannin County - Other	399	611	614	1,096	3,260	5,753
Total Projected Water Demand	2,511	3,214	4,113	5,808	9,047	12,771
Currently Available Water Supplies						
Lake Bonham (NTMWD) for Bonham	2,024	2,491	2,636	2,665	2,747	2,813
Lake Bonham (NTMWD) for Fannin C Manf	88	96	82	66	60	55
Lake Bonham (NTMWD) for Fannin Co Other	399	607	477	464	388	327
Total Current Supplies	2,511	3,195	3,195	3,195	3,195	3,195
Need (Demand - Current Supply)	0	19	918	2,613	5,852	9,576
Water Management Strategies						
Water Conservation - Bonham	35	27	34	61	94	138
Water Conservation - County Other	3	7	6	15	54	115
Fannin Co Water Supply Project-Bonham	0	0	723	1,872	2,822	3,932
Fannin Co Water Supply Project-Fannin Co Manufacturing	0	1	24	48	64	80
Fannin Co Water Supply Project-Fannin Co Other	0	0	131	617	2,818	5,311
Total Water Management Strategies	38	35	918	2,613	5,852	9,576
Reserve (Shortage)	38	16	0	0	0	0

**Table C-31
Boyd**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,303	1,413	2,000	2,500	3,500	3,800
Projected Water Demand						
Municipal Demand	217	229	316	392	547	593
Total Projected Demand	217	229	316	392	547	593
Currently Available Water Supplies						
Trinity Aquifer	73	73	73	73	73	73
Walnut Creek SUD (TRWD)	144	142	195	227	267	224
Total Current Supplies	217	215	268	300	340	297
Need (Demand - Current Supply)	0	14	48	92	207	296
Water Management Strategies						
Water Conservation	9	22	31	5	9	12
Additional Water from Walnut Ck. SUD	0	0	17	87	198	284
Total Water Management Strategies	9	22	48	92	207	296
Reserve (Shortage)	9	8	0	0	0	0

Table C-32
Brandon-Irene Water Supply Corporation (Region C Only)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region C Population	294	339	388	444	507	578
Projected Water Demand						
Municipal Demand	40	44	48	55	62	71
Total Projected Region C Demand	40	44	48	55	62	71
Currently Available Water Supplies						
Aquilla WSD (Lake Aquilla, Region G)	59	66	74	84	96	109
Total Current Supplies	59	66	74	84	96	109
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	1	1	1
Total Water Management Strategies	0	0	0	1	1	1
Reserve (Shortage)	19	22	26	30	35	39

Table C-33
Bridgeport

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,456	9,144	10,875	15,000	20,000	25,000
Projected Water Demand						
Municipal Demand	1,294	1,551	1,822	2,496	3,322	4,149
Total Projected Demand	1,294	1,551	1,822	2,496	3,322	4,149
Currently Available Water Supplies						
Tarrant Regional Water District (limited by contract amount)	1,294	1,412	1,466	1,704	1,704	1,704
Total Current Supplies	1,294	1,412	1,466	1,704	1,704	1,704
Need (Demand - Current Supply)	0	139	356	792	1,618	2,445
Water Management Strategies						
Water Conservation	24	40	55	83	122	166
Additional Raw Water Needed from TRWD beyond current contract with treatment as below:	0	99	301	709	1,496	2,279
2 MGD WTP Expansion				40	827	1,121
1.5 MGD WTP Expansion						489
Expand Capacity of Lake intake and Pump Station				40	827	1,610
Total Water Management Strategies	24	139	356	792	1,618	2,445
Reserve (Shortage)	24	0	0	0	0	0

**Table C-34
Bryson**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	581	620	644	657	666	672
Projected Water Demand						
Municipal Demand	80	82	83	84	85	85
Jack County Manufacturing Demand	1	1	1	1	1	1
Total Projected Demand	80	82	83	84	85	85
Currently Available Water Supplies						
Graham (through Fort Belknap WSC)	46	46	46	46	46	46
Other Aquifer	50	50	50	50	50	50
Total Current Supplies	96	96	96	96	96	96
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	1	2
Total Water Management Strategies	1	1	1	1	1	2
Reserve (Shortage)	17	15	14	13	12	13

**Table C-35
Buena Vista-Bethel Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,500	5,500	6,500	8,000	11,500	15,326
Projected Water Demand						
Municipal Demand	1,249	1,509	1,772	2,173	3,119	4,154
Total Projected Demand	1,249	1,509	1,772	2,173	3,119	4,154
Currently Available Water Supplies						
Trinity Aquifer	874	874	874	874	874	874
Waxahachie (TRWD)	170	142	143	376	620	728
Waxahachie (Lake Bardwell)	279	244	255	286	389	458
Waxahachie (Lake Waxahachie)	181	157	166	187	257	292
Waxahachie (Reuse)	225	227	295	386	554	659
Total Current Supplies	1,728	1,644	1,732	2,109	2,693	3,012
Need (Demand - Current Supply)	0	0	40	64	426	1,142
Water Management Strategies						
Water Conservation	23	39	53	72	114	166
Additional Water from Waxahachie	0	0	0	0	312	976
Total Water Management Strategies	23	39	53	72	426	1,142
Reserve (Shortage)	502	174	13	8	0	0

**Table C-36
Burlleson (Regions C and G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	43,801	51,845	60,022	68,635	77,711	87,170
Projected Water Demand						
Municipal Demand	6,620	7,664	8,757	9,950	11,241	12,602
Johnson County Manufacturing	2	2	2	2	2	2
Total Projected Water Demand	6,622	7,666	8,759	9,952	11,243	12,604
Currently Available Water Supplies						
Fort Worth (TRWD)	4,826	4,826	4,826	4,826	4,826	4,826
Total Current Supplies	4,826	4,826	4,826	4,826	4,826	4,826
Need (Demand - Current Supply)	1,796	2,840	3,933	5,126	6,417	7,778
Water Management Strategies						
Water Conservation	11	15	15	27	41	55
Additional Water from Fort Worth	3,109	4,358	5,670	7,089	8,625	10,244
<i>Increase delivery capacity from Ft Worth</i>	<i>0</i>	<i>0</i>	<i>967</i>	<i>2,386</i>	<i>3,922</i>	<i>5,541</i>
Total Water Management Strategies	3,120	4,373	5,685	7,116	8,666	10,299
Reserve (Shortage)	1,324	1,533	1,752	1,990	2,249	2,521

**Table C-37
Caddo Basin Special Utility District (Regions C and D)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,837	11,401	15,201	20,067	26,576	35,581
Projected Water Demand						
Municipal Demand	986	1,219	1,586	2,071	2,736	3,659
Total Projected Water Demand	986	1,219	1,586	2,071	2,736	3,659
Currently Available Water Supplies						
North Texas Municipal Water District	913	937	1,124	1,383	1,712	2,121
Total Current Supplies	913	937	1,124	1,383	1,712	2,121
Need (Demand - Current Supply)	73	282	462	688	1,024	1,538
Water Management Strategies						
Water Conservation	2	4	4	7	10	14
Additional Water from NTMWD	71	278	458	681	1,014	1,524
Total Water Management Strategies	73	282	462	688	1,024	1,538
Reserve (Shortage)	0	0	0	0	0	0

**Table C-38
Carrollton**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	126,763	129,176	129,179	129,182	129,185	129,188
Projected Water Demand						
Municipal Demand	23,566	23,504	23,112	22,895	22,852	22,850
Total Projected Demand	23,566	23,504	23,112	22,895	22,852	22,850
Currently Available Water Supplies						
Trinity Aquifer	33	33	33	33	33	33
Dallas Water Utilities	22,470	20,382	17,898	16,346	15,261	14,534
Total Current Supplies	22,503	20,415	17,931	16,379	15,294	14,567
Need (Demand - Current Supply)	1,063	3,089	5,181	6,516	7,558	8,283
Water Management Strategies						
Water Conservation	432	627	693	763	838	914
Additional Water from DWU	631	2,462	4,488	5,753	6,720	7,369
Total Water Management Strategies	1,063	3,089	5,181	6,516	7,558	8,283
Reserve (Shortage)	0	0	0	0	0	0

**Table C-39
Cash Special Utility District (Region C & D)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region Population (C&D)	19,973	23,972	28,708	34,308	40,986	48,933
Projected Region Population (D)	18,784	22,432	26,769	31,966	38,194	45,664
Projected Region Population (C)	1,189	1,540	1,939	2,342	2,792	3,269
Projected Water Demand						
Municipal Demand (Region D)	2,159	2,497	2,924	3,460	4,123	4,923
Municipal Demand (Region C)	137	172	212	254	302	353
Total Projected Total Demand	2,296	2,669	3,136	3,714	4,425	5,276
Currently Available Water Supplies						
North Texas Municipal Water District	1,301	1,391	1,684	1,642	1,539	1,424
Sabine River Authority (current and future)	1,651	4,705	4,705	4,705	4,704	4,679
Total Current Supplies	2,952	6,096	6,389	6,347	6,243	6,103
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	2	2	3	5	7
Additional Water from NTMWD	1,165	1,075	782	824	927	1,042
<i>Increase delivery infrastructure from NTMWD</i>	<i>1,165</i>	<i>1,075</i>	<i>782</i>	<i>824</i>	<i>927</i>	<i>1,042</i>
Total Water Management Strategies	1,166	1,077	784	827	932	1,049
Reserve (Shortage)	1,822	4,504	4,037	3,460	2,750	1,876
Region C Supply Available to Region D	2,329	2,294	2,254	2,212	2,164	2,113

Note: Cash SUD is also supplied from the Sabine River Authority (Lake Tawakoni) to meet part of Region D demands. NTMWD supplies all of Region C demand and part of Region D demand.

**Table C-40
Cedar Hill**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	53,200	65,119	77,038	88,956	88,956	88,956
Projected Water Demand						
Municipal Demand	10,652	12,808	15,005	17,244	17,229	17,227
Total Projected Demand	10,652	12,808	15,005	17,244	17,229	17,227
Currently Available Water Supplies						
Trinity Aquifer	180	180	180	180	180	180
Dallas Water Utilities	9,985	10,951	11,481	12,183	11,386	10,843
Total Current Supplies	10,165	11,131	11,661	12,363	11,566	11,023
Need (Demand - Current Supply)	487	1,677	3,344	4,881	5,663	6,204
Water Management Strategies						
Water Conservation	211	374	505	641	697	755
Additional Water from DWU	276	1,303	2,839	4,240	4,966	5,449
Total Water Management Strategies	487	1,677	3,344	4,881	5,663	6,204
Reserve (Shortage)	0	0	0	0	0	0

**Table C-41
Celina**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	22,675	48,000	89,000	150,000	150,000	150,000
Projected Water Demand						
Municipal Demand	4,716	9,889	18,303	30,828	30,826	30,823
Total Projected Water Demand	4,716	9,889	18,303	30,828	30,826	30,823
Currently Available Water Supplies						
Trinity Aquifer	132	132	132	132	132	132
Woodbine Aquifer	62	62	62	62	62	62
Upper Trinity Regional Water District	3,083	3,083	3,083	3,083	3,083	3,083
Total Current Supplies	3,277	3,277	3,277	3,277	3,277	3,277
Need (Demand - Current Supply)	1,439	6,612	15,026	27,551	27,549	27,546
Water Management Strategies						
Water Conservation	86	238	549	1,028	1,130	1,233
Additional Water from UTRWD	1,353	4,874	11,477	21,523	21,419	21,313
Connection to NTMWD	0	1,500	3,000	5,000	5,000	5,000
Total Water Management Strategies	1,439	6,612	15,026	27,551	27,549	27,546
Reserve (Shortage)	0	0	0	0	0	0

**Table C-42
Chatfield Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,300	4,400	4,500	4,600	4,700	4,800
Projected Water Demand						
Municipal Demand	469	464	463	466	475	485
Total Projected Water Demand	469	464	463	466	475	485
Currently Available Water Supplies						
Corsicana	469	301	278	251	224	198
Total Current Supplies	469	301	278	251	224	198
Need (Demand - Current Supply)	0	163	185	215	251	287
Water Management Strategies						
Water Conservation	4	5	5	6	8	10
Additional Water from Corsicana	0	158	180	209	243	277
New wells in Trinity Aquifer	150	150	150	150	150	150
Total Water Management Strategies	154	313	335	365	401	437
Reserve (Shortage)	154	150	150	150	150	150

**Table C-43
Chico**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,051	1,107	1,165	2,200	2,800	3,500
Projected Water Demand						
Municipal Demand	207	213	221	411	522	652
Total Projected Demand	207	213	221	411	522	652
Currently Available Water Supplies						
Trinity Aquifer	193	193	193	193	193	193
West Wise SUD (TRWD)	13	13	13	13	13	13
Total Current Supplies	206	206	206	206	206	206
Need (Demand - Current Supply)	1	7	15	205	316	446
Water Management Strategies						
Water Conservation	4	6	7	14	19	26
Additional Water from West Wise SUD	0	1	8	191	297	420
<i>Increase delivery capacity from West Wise SUD</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>140</i>	<i>246</i>	<i>369</i>
Total Water Management Strategies	4	7	15	205	316	446
Reserve (Shortage)	3	0	0	0	0	0

**Table C-44
Cockrell Hill**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,670	5,122	5,122	5,122	7,000	15,000
Projected Water Demand						
Municipal Demand	407	421	405	396	536	1,141
Total Projected Demand	407	421	405	396	536	1,141
Currently Available Water Supplies						
Dallas Water Utilities	388	365	314	283	358	726
Total Current Supplies	388	365	314	283	358	726
Need (Demand - Current Supply)	19	56	91	113	178	415
Water Management Strategies						
Water Conservation	3	5	4	5	9	23
Additional Water from DWU	16	51	87	108	169	392
Total Water Management Strategies	19	56	91	113	178	415
Reserve (Shortage)	0	0	0	0	0	0

**Table C-45
College Mound Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	11,745	14,711	18,112	22,024	30,000	38,000
Projected Water Demand						
Municipal Demand	790	989	1,218	1,481	2,017	2,554
Total Projected Water Demand	790	989	1,218	1,481	2,017	2,554
Currently Available Water Supplies						
North Texas Municipal Water District (directly and through Terrell)	728	758	860	986	1,258	1,475
Total Current Supplies	728	758	860	986	1,258	1,475
Need (Demand - Current Supply)	62	231	358	495	759	1,079
Water Management Strategies						
Water Conservation	7	11	12	20	34	51
Additional Water from Terrell/NTMWD	55	220	346	475	725	1,028
<i>Increase delivery capacity from Terrell</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>508</i>	<i>1,028</i>
Total Water Management Strategies	62	231	358	495	759	1,079
Reserve (Shortage)	0	0	0	0	0	0

**Table C-46
Colleyville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	24,000	25,500	27,000	28,000	28,000	28,000
Projected Water Demand						
Municipal Demand	9,320	9,808	10,314	10,657	10,649	10,648
Total Projected Water Demand	9,320	9,808	10,314	10,657	10,649	10,648
Currently Available Water Supplies						
Trinity River Authority (TRWD)	9,320	8,927	8,297	7,575	6,751	6,025
Total Current Supplies	9,320	8,927	8,297	7,575	6,751	6,025
Need (Demand - Current Supply)	0	881	2,017	3,082	3,898	4,623
Water Management Strategies						
Water Conservation	171	259	309	355	390	426
Additional Water from TRA	0	622	1,708	2,727	3,508	4,197
Total Water Management Strategies	171	881	2,017	3,082	3,898	4,623
Reserve (Shortage)	171	0	0	0	0	0

**Table C-47
Collin County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,995	2,995	2,995	2,995	2,995	2,995
Currently Available Water Supplies						
Direct Reuse (The Colony)	457	457	457	457	457	457
Direct Reuse (NTMWD)	1,847	1,847	1,847	1,847	1,847	1,847
Trinity Aquifer (Through Frisco)	100	100	100	100	100	100
Woodbine Aquifer (Through Frisco)	40	40	40	40	40	40
Trinity Aquifer	870	870	870	870	870	870
Woodbine Aquifer	97	97	97	97	97	97
DWU Sources	1,719	1,564	1,396	1,287	1,204	1,147
Local Supplies	408	408	408	408	408	408
Total Current Supplies	5,538	5,383	5,215	5,106	5,023	4,966
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	5	83	159	199	237	275
Total Water Management Strategies	5	83	159	199	237	275
Reserve (Shortage)	2,548	2,471	2,379	2,310	2,265	2,246

**Table C-48
Collin County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	860	860	860	860	860	860
Currently Available Water Supplies						
Livestock Local Supply	1,002	1,002	1,002	1,002	1,002	1,002
Total Current Supplies	1,002	1,002	1,002	1,002	1,002	1,002
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	142	142	142	142	142	142

**Table C-49
Collin County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	3,456	3,888	4,319	4,706	5,109	5,547
Currently Available Water Supplies						
Woodbine Aquifer	200	200	200	200	200	200
NTMWD thru Richardson (60%)	1,910	1,788	1,830	1,880	1,913	1,922
NTMWD thru Plano (12%)	382	358	366	376	383	384
NTMWD thru McKinney (15%)	478	447	458	470	478	481
NTMWD thru Allen (3%)	96	89	92	94	96	96
NTMWD thru Frisco (4%)	127	119	122	125	128	128
NTMWD thru Wylie (1%)	32	30	31	31	32	32
Total Current Supplies	3,225	3,031	3,099	3,176	3,230	3,243
Need (Demand - Current Supply)	231	857	1,220	1,530	1,879	2,304
Water Management Strategies						
Water Conservation	0	8	90	133	145	157
Additional Water from NTMWD	259	858	1,117	1,369	1,686	2,076
New Wells in Woodbine Aquifer	0	78	78	78	78	78
Total Water Management Strategies	259	944	1,285	1,580	1,909	2,311
Reserve (Shortage)	28	87	65	50	30	7

**Table C-50
Collin County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	0	0	0	0	0	0
Currently Available Water Supplies						
None	0	0	0	0	0	0
Total Current Supplies	0	0	0	0	0	0
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None	0	0	0	0	0	0
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-51
Collin County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	10,289	10,289	10,289	35,000	50,000	80,000
Projected Water Demand						
Municipal Demand	1,613	1,582	1,560	5,213	7,434	11,885
Total Projected Water Demand	1,613	1,582	1,560	5,213	7,434	11,885
Currently Available Water Supplies						
Trinity Aquifer	250	250	250	250	250	250
Woodbine Aquifer	247	247	247	247	247	247
North Texas Municipal Water District (through various suppliers)	1,028	831	751	3,140	4,328	6,577
Total Current Supplies	1,525	1,328	1,248	3,637	4,825	7,074
Need (Demand - Current Supply)	88	254	312	1,576	2,609	4,811
Water Management Strategies						
Water Conservation	13	19	16	70	124	238
Additional Water from NTMWD	75	235	296	1,506	2,485	4,573
Total Water Management Strategies	88	254	312	1,576	2,609	4,811
Reserve (Shortage)	0	0	0	0	0	0

**Table C-52
Collin County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	715	602	740	594	782	724
Currently Available Water Supplies						
North Texas Municipal Water District	659	461	523	395	488	418
Total Current Supplies	659	461	523	395	488	418
Need (Demand - Current Supply)	56	141	217	199	294	306
Water Management Strategies						
Additional Water from NTMWD	56	141	217	199	294	306
Total Water Management Strategies	56	141	217	199	294	306
Reserve (Shortage)	0	0	0	0	0	0

**Table C-53
Collinsville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,117	2,685	3,246	3,889	5,000	6,500
Projected Water Demand						
Municipal Demand	233	285	338	401	513	666
Total Projected Water Demand	233	285	338	401	513	666
Currently Available Water Supplies						
Trinity Aquifer	242	242	242	242	242	242
Total Current Supplies	242	242	242	242	242	242
Need (Demand - Current Supply)	0	43	96	159	271	424
Water Management Strategies						
Water Conservation	2	3	3	5	9	13
Grayson County Water Supply Project (Northwest WTP)	0	40	93	154	262	411
Total Water Management Strategies	2	43	96	159	271	424
Reserve (Shortage)	11	0	0	0	0	0

**Table C-54
Combine**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,690	3,278	3,939	4,692	5,545	6,501
Projected Water Demand						
Municipal Demand	308	361	423	498	588	687
Total Projected Water Demand	308	361	423	498	588	687
Currently Available Water Supplies						
Combine WSC (DWU)	183	188	189	189	169	152
Total Current Supplies	183	188	189	189	169	152
Need (Demand - Current Supply)	125	173	234	309	419	535
Water Management Strategies						
Water Conservation	3	4	4	7	10	14
Additional Combine WSC (DWU)	122	169	230	302	409	521
Total Water Management Strategies	125	173	234	309	419	535
Reserve (Shortage)	0	0	0	0	0	0

**Table C-55
Community Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,498	3,933	4,363	4,781	5,200	5,610
Projected Water Demand						
Municipal Demand	347	369	394	430	466	502
Total Projected Water Demand	347	369	394	430	466	502
Currently Available Water Supplies						
Tarrant Regional Water District	347	336	317	306	295	284
Total Current Supplies	347	336	317	306	295	284
Need (Demand - Current Supply)	0	33	77	124	171	218
Water Management Strategies						
Water Conservation	3	4	4	6	8	10
Additional Water from TRWD	0	29	73	118	163	208
Total Water Management Strategies	3	33	77	124	171	218
Reserve (Shortage)	3	0	0	0	0	0

**Table C-56
Cooke County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	300	300	300	300	300	300
Currently Available Water Supplies						
Trinity Aquifer	176	176	176	176	176	176
Woodbine Aquifer	49	49	49	49	49	49
Direct Reuse (Gainesville)	9	9	9	9	9	9
Moss Lake (Gainesville)	66	66	66	66	66	27
Total Current Supplies	300	300	300	300	300	261
Need (Demand - Current Supply)	0	0	0	0	0	39
Water Management Strategies						
Additional Gainesville	0	0	0	0	0	39
Total Water Management Strategies	0	0	0	0	0	39
Reserve (Shortage)	0	0	0	0	0	0

**Table C-57
Cooke County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,494	1,494	1,494	1,494	1,494	1,494
Currently Available Water Supplies						
Trinity Aquifer	307	307	307	307	307	307
Woodbine Aquifer	60	60	60	60	60	60
Local Supplies	1,187	1,187	1,187	1,187	1,187	1,187
Total Current Supplies	1,554	1,554	1,554	1,554	1,554	1,554
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	60	60	60	60	60	60

**Table C-58
Cooke County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	226	247	268	286	310	336
Currently Available Water Supplies						
Trinity Aquifer	34	34	34	34	34	34
Gainesville	192	213	234	252	276	124
Total Current Supplies	226	247	268	286	310	158
Need (Demand - Current Supply)	0	0	0	0	0	178
Water Management Strategies						
Water Conservation	0	0	5	8	8	9
Additional Gainesville	0	0	0	0	0	169
Total Water Management Strategies	0	0	5	8	8	178
Reserve (Shortage)	0	0	5	8	8	0

**Table C-59
Cooke County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,583	900	378	446	511	586
Currently Available Water Supplies						
Trinity Aquifer	800	750	300	300	300	300
Total Current Supplies	800	750	300	300	300	300
Need (Demand - Current Supply)	783	150	78	146	211	286
Water Management Strategies						
Direct Reuse	99	67	71	74	77	80
Connect to Gainesville	684	83	7	72	134	206
Total Water Management Strategies	783	150	78	146	211	286
Reserve (Shortage)	0	0	0	0	0	0

**Table C-60
Cooke County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,500	9,000	9,724	13,000	15,000	31,000
Projected Water Demand						
Municipal Demand	1,123	1,149	1,209	1,590	1,830	3,767
Total Projected Water Demand	1,123	1,149	1,209	1,590	1,830	3,767
Currently Available Water Supplies						
Trinity Aquifer	916	966	1,416	1,416	1,416	1,416
Woodbine Aquifer	45	45	45	45	45	45
Other Aquifer	0	0	0	0	0	0
Gainesville	162	138	0	129	369	951
Total Current Supplies	1,123	1,149	1,461	1,590	1,830	2,412
Need (Demand - Current Supply)	0	0	0	0	0	1,355
Water Management Strategies						
Water Conservation	9	13	12	21	31	75
Additional Gainesville	0	0	0	0	0	1,280
Total Water Management Strategies	9	13	12	21	31	1,355
Reserve (Shortage)	9	13	264	21	31	0

**Table C-61
Cooke County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	0	0	0	0	0	0
Currently Available Water Supplies						
None	0	0	0	0	0	0
Total Current Supplies	0	0	0	0	0	0
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-62
Copeville Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,846	4,804	5,972	8,000	14,000	24,000
Projected Water Demand						
Municipal Demand	319	376	452	596	1,037	1,773
Total Projected Demand	319	376	452	596	1,037	1,773
Currently Available Water Supplies						
North Texas Municipal Water District	294	288	319	397	647	1,024
Total Current Supplies	294	288	319	397	647	1,024
Need (Demand - Current Supply)	25	88	133	199	390	749
Water Management Strategies						
Water Conservation	3	4	5	8	17	35
Additional Water from NTMWD	22	84	128	191	373	714
Total Water Management Strategies	25	88	133	199	390	749
Reserve (Shortage)	0	0	0	0	0	0

**Table C-63
Coppell**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	41,460	42,953	42,953	42,953	42,953	42,953
Projected Water Demand						
Municipal Demand	10,992	11,245	11,146	11,089	11,075	11,074
Total Projected Demand	10,992	11,245	11,146	11,089	11,075	11,074
Currently Available Water Supplies						
Dallas Water Utilities	10,481	9,751	8,632	7,917	7,396	7,044
Total Current Supplies	10,481	9,751	8,632	7,917	7,396	7,044
Need (Demand - Current Supply)	511	1,494	2,514	3,172	3,679	4,030
Water Management Strategies						
Water Conservation	202	299	334	370	406	443
Additional Water from DWU	309	1,195	2,180	2,802	3,273	3,587
Total Water Management Strategies	511	1,494	2,514	3,172	3,679	4,030
Reserve (Shortage)	0	0	0	0	0	0

**Table C-64
Copper Canyon**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,419	1,523	1,647	1,785	1,947	2,131
Projected Water Demand						
Municipal Demand	260	272	289	310	338	369
Total Projected Water Demand	260	272	289	310	338	369
Currently Available Water Supplies						
Groundwater (thru Cross Timbers WSC)	167	167	167	167	167	167
UTRWD (thru Cross Timbers WSC)	93	94	95	94	102	101
Total Current Supplies	260	261	262	261	269	268
Need (Demand - Current Supply)	0	11	27	49	69	101
Water Management Strategies						
Water Conservation	5	7	9	10	12	15
Additional Water from Cross Timbers WSC	0	21	51	89	123	152
Total Water Management Strategies	5	28	60	99	135	167
Reserve (Shortage)	5	17	33	50	66	66

**Table C-65
Corbet Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,865	3,159	3,462	3,808	4,170	4,556
Projected Water Demand						
Municipal Demand	258	272	289	312	341	372
Total Projected Demand	258	272	289	312	341	372
Currently Available Water Supplies						
Corsicana	258	176	173	168	161	151
Total Current Supplies	258	176	173	168	161	151
Need (Demand - Current Supply)	0	96	116	144	180	221
Water Management Strategies						
Water Conservation	2	3	3	4	6	7
Additional Water from Corsicana	0	93	113	140	174	214
Total Water Management Strategies	2	96	116	144	180	221
Reserve (Shortage)	2	0	0	0	0	0

**Table C-66
Corinth**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	24,911	29,499	29,499	29,499	29,499	29,499
Projected Water Demand						
Municipal Demand	4,266	4,983	4,956	4,939	4,932	4,931
Total Projected Demand	4,266	4,983	4,956	4,939	4,932	4,931
Currently Available Water Supplies						
Trinity Aquifer	274	274	274	274	274	274
Upper Trinity Regional Water District	3,145	2,566	1,994	1,578	1,404	1,231
Total Current Supplies	3,419	2,840	2,268	1,852	1,678	1,506
Need (Demand - Current Supply)	847	2,143	2,688	3,087	3,254	3,425
Water Management Strategies						
Water Conservation	84	143	162	178	194	210
New Wells in Trinity Aquifer	847	1,408	1,408	1,408	1,408	1,408
Additional Water from UTRWD	0	592	1,118	1,501	1,652	1,807
Total Water Management Strategies	931	2,143	2,688	3,087	3,254	3,425
Reserve (Shortage)	84	0	0	0	0	0

**Table C-67
Corsicana**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (in City)	26,298	28,997	31,785	34,959	38,279	41,823
Projected Water Demand						
Municipal Demand	6,003	6,474	6,984	7,622	8,333	9,101
Manufacturing and Customers	5,460	11,333	11,811	12,715	14,105	16,013
Total Projected Demand	11,463	17,807	18,795	20,337	22,438	25,114
Currently Available Water Supplies						
Lake Halbert/Richland-Chambers	13,863	13,855	13,847	13,838	13,830	13,822
Navarro Mills Lake	17,828	17,325	16,317	15,308	14,300	13,292
Total Current Supplies	31,691	31,180	30,163	29,147	28,130	27,114
Total Current Supplies Limited by treatment capacity	13,452	13,452	13,452	13,452	13,452	13,452
Need (Demand - Current Supply)	0	4,355	5,343	6,885	8,986	11,662
Water Management Strategies						
Water Conservation (retail)	110	170	210	254	306	364
Water Conservation (wholesale)	30	44	47	72	112	165
New 8 MGD Halbert/Richland Chambers WTP (4 mgd increase from current plant)	2,242	2,242	2,242	2,242	2,242	2,242
Raw Water for Power Plant (Pipeline and PS)		5,440	5,440	5,440	5,440	5,440
8 MGD Expansion of Halbert/Richland Chambers WTP and expansion of pump station				4,484	4,484	4,484
Total Water Management Strategies	2,382	7,896	7,939	12,492	12,584	12,695
Reserve (Shortage)	4,371	3,541	2,596	5,607	3,598	1,033

Note: See Appendix H for details on demand.

**Table C-68
Crandall**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,295	5,379	6,623	8,000	8,000	8,000
Projected Water Demand						
Municipal Demand	779	955	1,162	1,397	1,396	1,395
Total Projected Demand	779	955	1,162	1,397	1,396	1,395
Currently Available Water Supplies						
North Texas Municipal Water District	605	605	605	605	605	605
Total Current Supplies	605	605	605	605	605	605
Need (Demand - Current Supply)	174	350	557	792	791	790
Water Management Strategies						
Water Conservation	14	25	35	47	51	56
Additional water from NTMWD	160	325	522	745	740	734
Total Water Management Strategies	174	350	557	792	791	790
Reserve (Shortage)	0	0	0	0	0	0

**Table C-69
Cresson (Region C Only*)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region C Population	451	505	566	637	720	815
Projected Water Demand						
Region C Municipal Demand	68	75	83	92	104	118
Total Projected Region C Demand	68	75	83	92	104	118
Currently Available Water Supplies						
Trinity Aquifer (Region G)	57	43	32	22	11	3
Total Current Supplies	57	43	32	22	11	3
Need (Demand - Current Supply)	11	32	51	70	93	115
Water Management Strategies						
Region C Water Conservation	1	1	1	1	2	2
New well in Trinity Aquifer (Parker Co)	113	113	113	113	113	113
Total Water Management Strategies	114	114	114	114	115	115
Reserve (Shortage)	103	82	63	44	22	0

*Additional population for Cresson is located in Region G (Hood and Johnson Counties). The population shown here is only the portion of Cresson that is located in Parker County.

**Table C-70
Cross Roads**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,256	3,096	3,800	3,800	3,800	3,800
Projected Water Demand						
Municipal Demand	457	619	756	755	754	754
Total Projected Demand	457	619	756	755	754	754
Currently Available Water Supplies						
Mustang SUD (Groundwater)	75	75	75	75	75	75
Mustang SUD (UTRWD)	457	481	460	366	326	286
Total Current Supplies	532	556	535	441	401	361
Need (Demand - Current Supply)	0	63	221	314	353	393
Water Management Strategies						
Water Conservation	8	16	23	25	28	30
Additional Water from Mustang SUD	0	47	198	289	325	363
Total Water Management Strategies	8	63	221	314	353	393
Reserve (Shortage)	83	0	0	0	0	0

**Table C-71
Crowley (Regions C and G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	16,362	19,142	22,883	27,525	35,213	40,258
Projected Water Demand						
Municipal Demand	2,427	2,776	3,273	3,911	4,992	5,703
Total Projected Water Demand	2,427	2,776	3,273	3,911	4,992	5,703
Currently Available Water Supplies						
Trinity Aquifer	320	320	320	320	320	320
Fort Worth (TRWD) (limited by contract)	1,682	1,681	1,682	1,682	1,681	1,682
Total Current Supplies	2,002	2,001	2,002	2,002	2,001	2,002
Need (Demand - Current Supply)	425	775	1,271	1,909	2,991	3,701
Water Management Strategies						
Water Conservation	20	30	33	52	83	113
Additional Water from TRWD	405	745	1,238	1,857	2,908	3,588
<i>Increase delivery infrastructure from Ft Worth in future</i>	<i>0</i>	<i>184</i>	<i>678</i>	<i>1,297</i>	<i>2,347</i>	<i>3,028</i>
Total Water Management Strategies	425	775	1,271	1,909	2,991	3,701
Reserve (Shortage)	0	0	0	0	0	0

**Table C-72
Culleoka Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,500	5,500	9,000	11,000	12,000	15,000
Projected Water Demand						
Municipal Demand	328	370	605	740	807	1,009
Total Projected Water Demand	328	370	605	740	807	1,009
Currently Available Water Supplies						
Princeton (NTMWD)	302	284	427	493	503	583
Total Current Supplies	302	284	427	493	503	583
Need (Demand - Current Supply)	26	86	178	247	304	426
Water Management Strategies						
Water Conservation	3	4	6	10	13	20
Add'l Water from Princeton (NTMWD)	23	82	172	237	291	406
Total Water Management Strategies	26	86	178	247	304	426
Reserve (Shortage)	0	0	0	0	0	0

**Table C-73
Dallas**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (in City)	1,242,136	1,347,717	1,531,680	1,707,057	1,841,064	1,905,499
Projected Water Demand						
Municipal Demand	275,299	292,403	326,913	361,494	389,253	402,811
Manufacturing and Customers	242,444	273,083	298,370	329,357	368,224	400,533
Total Projected Demand	517,743	565,486	625,283	690,851	757,477	803,344
Currently Available Water Supplies						
Elm Fork System	172,975	165,580	158,185	150,791	143,396	136,001
Lake Grapevine	7,367	7,150	6,933	6,717	6,500	6,283
Lake Ray Hubbard	56,113	54,800	53,487	52,173	50,860	49,547
Lake Tawakoni	174,080	169,120	164,160	159,200	154,240	149,280
Lake Fork	50,120	55,080	60,040	65,000	69,960	74,920
Direct Reuse (Golf Course)	1,121	1,121	1,121	1,121	1,121	1,121
White Rock Lake (Irrigation Only)	3,200	2,900	2,600	2,300	2,000	1,700
Return flow (Indirect Reuse Supplies)	32,550	38,223	41,048	55,000	73,091	87,511
Total Current Supplies	497,526	493,974	487,574	492,302	501,168	506,363
Need (Demand - Current Supply)	20,217	71,512	137,709	198,549	256,309	296,981
Water Management Strategies						
Conservation (DWU Retail)	10,817	26,096	37,456	41,876	42,607	42,020
Conservation (Wholesale Customers)	2,814	5,812	7,299	9,286	11,439	13,622
Indirect Reuse Implementation						
Main Stem Pump Station	34,751	34,751	34,751	34,751	34,751	34,751
Main Stem Balancing Reservoir (Reuse)				84,075	102,011	114,342
Connect Lake Palestine (Palestine to IPL to Bachman)		110,670	109,563	108,455	107,347	106,239
Neches Run-of-River					47,250	47,250
Lake Columbia						56,050
<i>Infrastructure to Treat & Deliver to Customers</i>	34,751	145,421	144,314	227,281	291,359	358,632
Total Water Management Strategies	48,382	177,329	189,069	278,443	345,405	414,274
Reserve (Shortage)	28,165	105,817	51,360	79,894	89,096	117,293

**Table C-74
Dallas-Fort Worth International Airport (Sub-WUG)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand						
Municipal Demand	4,005	4,005	4,005	4,005	4,005	4,005
Total Projected Water Demand	4,005	4,005	4,005	4,005	4,005	4,005
Currently Available Water Supplies						
Dallas Water Utilities	2,291	2,083	1,550	1,430	1,336	1,274
Fort Worth (TRWD sources)	1,448	1,228	1,163	1,048	959	881
Fort Worth Reuse	80	80	301	301	301	301
Total Current Supplies	3,819	3,391	3,014	2,779	2,596	2,456
Need (Demand - Current Supply)	186	614	991	1,226	1,409	1,549
Water Management Strategies						
Water Conservation						
Additional Fort Worth	74	294	539	654	743	821
Additional Dallas	112	320	452	572	666	728
Total Water Management Strategies	186	614	991	1,226	1,409	1,549
Reserve (Shortage)	0	0	0	0	0	0

**Table C-75
Dallas County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	9,134	9,134	9,134	9,134	9,134	9,134
Currently Available Water Supplies						
DWU Direct Reuse Sources	490	490	490	490	490	490
Local Supplies	791	791	791	791	791	791
Trinity Aquifer	1,587	1,587	1,587	1,587	1,587	1,587
Woodbine Aquifer	1,372	1,372	1,372	1,372	1,372	1,372
TRA Direct Reuse (Las Colinas)	8,000	8,000	8,000	8,000	8,000	8,000
TRA Direct Reuse (Ten Mile WWTP)	125	125	125	125	125	125
Joe Pool Lake (Grand Prairie)	300	300	300	300	300	300
Other Aquifer	0	0	0	0	0	0
Total Current Supplies	12,665	12,665	12,665	12,665	12,665	12,665
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	18	294	565	708	841	975
Additional TRA Las Colinas	0	7,000	7,000	7,000	7,000	7,000
Total Water Management Strategies	18	7,294	7,565	7,708	7,841	7,975
Reserve (Shortage)	3,549	10,825	11,096	11,239	11,372	11,506

**Table C-76
Dallas County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	854	854	854	854	854	854
Currently Available Water Supplies						
Local supplies	198	198	198	198	198	198
Woodbine Aquifer	763	763	763	763	763	763
Total Current Supplies	961	961	961	961	961	961
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	107	107	107	107	107	107

**Table C-77
Dallas County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,339	3,000	2,000	2,000	2,000	2,000
Projected Water Demand						
Municipal Demand	3,106	2,622	2,415	2,414	2,413	2,413
Total Projected Water Demand	3,106	2,622	2,415	2,414	2,413	2,413
Currently Available Water Supplies						
Trinity Aquifer	205	205	205	205	205	205
Woodbine Aquifer	56	56	56	56	56	56
Dallas Water Utilities	803	310	117	107	100	95
Dallas Water Utilities (for DFW Airport)	1,146	1,042	775	715	668	637
TRWD sources for DFW Airport (thru Ft Worth)	724	614	582	524	480	441
Ft Worth Reuse Sources for DFW Airport	40	40	151	151	151	151
Total Current Supplies	2,974	2,267	1,886	1,758	1,660	1,585
Need (Demand - Current Supply)	132	355	529	656	753	828
Water Management Strategies						
Water Conservation	14	15	6	9	11	13
Add'l Dallas	39	48	34	43	49	54
Add'l Dallas for DFW Airport	56	160	226	286	333	364
Add'l Ft Worth/TRWD for DFW Airport	77	187	420	478	522	561
Total Water Management Strategies	186	410	686	816	915	992
Reserve (Shortage)	54	55	157	160	162	164

**Table C-78
Dallas County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	37,791	41,148	44,214	46,703	46,983	47,265
Currently Available Water Supplies						
Dallas Water Utilities	27,213	27,008	25,371	24,526	23,058	22,097
NTMWD (thru Garland & Mequite)	3,482	3,153	3,122	3,109	2,931	2,729
Irving (Lake Chapman)	3,779	4,115	4,421	4,670	4,698	4,727
Grand Prairie	692	673	611	563	518	494
Trinity Aquifer	530	530	530	530	530	530
Woodbine Aquifer	43	43	43	43	43	43
Total Current Supplies	35,739	35,522	34,098	33,441	31,778	30,620
Need (Demand - Current Supply)	2,052	5,626	10,116	13,262	15,205	16,645
Water Management Strategies						
Water Conservation	0	80	917	1,316	1,367	1,379
Additional Water from DWU	1,327	4,137	7,390	9,827	11,469	12,643
Additional Water from NTMWD	297	962	1,299	1,561	1,767	1,997
Additional Water from Grand Prairie	429	448	510	558	603	627
Total Water Management Strategies	2,053	5,626	10,116	13,262	15,206	16,645
Reserve (Shortage)	1	1	0	0	1	1

**Table C-79
Dallas County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	3,038	2,656	2,279	1,930	1,922	1,916
Currently Available Water Supplies						
DWU Sources	1,012	589	234	138	128	122
Local Supplies	1,525	1,525	1,525	1,525	1,525	1,525
Trinity Aquifer	452	452	452	452	452	452
Total Current Supplies	2,989	2,566	2,211	2,115	2,105	2,099
Need (Demand - Current Supply)	49	90	68	0	0	0
Water Management Strategies						
Additional Water from DWU	49	90	68	55	64	70
Total Water Management Strategies	49	90	68	55	64	70
Reserve (Shortage)	0	0	0	240	247	253

**Table C-80
Dallas County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	5,000	5,000	11,066	11,066	11,066	11,066
Currently Available Water Supplies						
Dallas Water Utilities	4,768	4,336	3,872	3,570	3,339	3,180
Mountain Creek Lake	6,400	6,400	6,400	6,400	6,400	6,400
Run-of-River	368	368	368	368	368	368
Total Current Supplies	11,536	11,104	10,640	10,338	10,107	9,948
Need (Demand - Current Supply)	0	0	426	728	959	1,118
Water Management Strategies						
Additional Water from DWU	232	664	1,128	1,430	1,661	1,820
TRA Reuse	0	2,000	2,000	2,000	2,000	2,000
Total Water Management Strategies	232	2,664	3,128	3,430	3,661	3,820
Reserve (Shortage)	6,768	8,768	2,702	2,702	2,702	2,702

**Table C-81
Dalworthington Gardens**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,307	2,359	2,410	2,460	2,510	2,559
Projected Water Demand						
Municipal Demand	912	922	933	947	966	984
Total Projected Water Demand	912	922	933	947	966	984
Currently Available Water Supplies						
Trinity Aquifer	325	325	325	325	325	325
Fort Worth (TRWD)	559	481	416	383	361	341
Total Current Supplies	884	806	741	708	686	666
Need (Demand - Current Supply)	28	116	192	239	280	318
Water Management Strategies						
Water Conservation	17	25	28	32	35	39
Additional Water from Fort Worth	11	91	164	207	245	279
Total Water Management Strategies	28	116	192	239	280	318
Reserve (Shortage)	0	0	0	0	0	0

**Table C-82
Dawson**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	893	985	1,080	1,187	1,300	1,420
Projected Water Demand						
Municipal Demand	149	160	172	187	204	223
Total Projected Water Demand	149	160	172	187	204	223
Currently Available Water Supplies						
Corsicana	149	104	103	101	96	91
Total Current Supplies	149	104	103	101	96	91
Need (Demand - Current Supply)	0	56	69	86	108	132
Water Management Strategies						
Water Conservation	1	3	4	6	7	9
Additional Water from Corsicana	0	53	65	80	101	123
Total Water Management Strategies	1	56	69	86	108	132
Reserve (Shortage)	1	0	0	0	0	0

**Table C-83
Decatur**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,508	11,738	15,253	19,751	23,225	27,000
Projected Water Demand						
Municipal Demand	2,319	3,149	4,060	5,240	6,157	7,156
Total Projected Water Demand	2,319	3,149	4,060	5,240	6,157	7,156
Currently Available Water Supplies						
Wise Co. Water Supply District (TRWD)	1,206	1,348	1,449	1,227	1,113	1,055
Total Current Supplies	1,206	1,348	1,449	1,227	1,113	1,055
Need (Demand - Current Supply)	1,113	1,801	2,611	4,013	5,044	6,101
Water Management Strategies						
Water Conservation	43	80	122	175	226	286
Additional Water from Wise Co. WSD	1,070	1,721	2,489	3,838	4,818	5,815
Total Water Management Strategies	1,113	1,801	2,611	4,013	5,044	6,101
Reserve (Shortage)	0	0	0	0	0	0

**Table C-84
Denison**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (in City)	25,127	27,949	30,731	33,925	40,000	50,000
Projected Water Demand						
Municipal Demand	6,641	7,251	7,868	8,629	10,158	12,688
Manufacturing and Customers	1,498	1,691	1,819	1,870	1,948	2,032
Total Projected Demand	8,139	8,942	9,687	10,499	12,106	14,720
Currently Available Water Supplies						
Lake Randell	1,400	1,400	1,400	1,400	1,400	1,400
Lake Texoma (limited by WTP Capacity)	6,623	6,686	6,746	6,797	6,875	6,959
Woodbine Aquifer	121	121	121	121	121	121
Total Current Supplies	8,144	8,207	8,267	8,318	8,396	8,480
Need (Demand - Current Supply)	0	736	1,421	2,182	3,711	6,241
Water Management Strategies						
Water Conservation (retail)	233	554	631	721	882	1,144
Water Conservation (wholesale)	7	14	37	59	95	155
Additional Lake Texoma with Infrastructure as follows:	0	2,242	2,242	2,242	4,484	6,726
4 MGD WTP Expansion		2,242	2,242	2,242	2,242	2,242
4 MGD New WTP					2,242	2,242
4 MGD WTP Expansion						2,242
Expand Raw Water delivery from Lake Texoma		2,242	2,242	2,242	4,484	6,726
Total Water Management Strategies	240	2,810	2,910	3,022	5,461	8,025
Reserve (Shortage)	245	2,075	1,490	841	1,751	1,785

**Table C-85
Denton**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (in City)	160,145	211,773	268,780	341,471	468,168	570,694
Projected Water Demand						
Municipal Demand	28,908	37,431	47,013	59,444	81,374	99,143
Manufacturing and Customers*	2,252	2,503	2,755	2,989	3,220	3,472
Total Projected Demand	31,160	39,934	49,768	62,433	84,594	102,615
Currently Available Water Supplies						
Lake Lewisville	7,817	7,715	7,613	7,512	7,410	7,308
Lake Ray Roberts	18,902	18,733	18,564	18,395	18,226	18,057
Direct Reuse (SEP)	646	733	819	906	993	1,088
Direct Reuse (IRR)	406	406	406	406	406	406
Indirect Reuse	6,775	8,729	10,922	12,953	12,818	12,683
DWU	0	2,301	7,735	14,433	27,839	37,545
Subtotal	34,546	38,617	46,059	54,605	67,692	77,087
Total Current Supplies (limited by treatment capacity + direct reuse amounts)	27,956	28,043	28,129	28,216	28,303	28,398
Need (Demand - Current Supply)	3,204	11,891	21,639	34,217	56,291	74,217
Water Management Strategies						
Water Conservation (retail)	530	956	1,410	1,981	2,984	3,966
Water Conservation (customers)	0	9	46	64	71	80
Add'l Supply with Treatment as below:*	2,674	10,926	20,183	32,172	53,236	70,171
30 mgd Ray Roberts Plant Expansion	2,674	10,926	16,815	16,815	16,815	16,815
20 mgd Ray Roberts Plant Expansion			3,368	11,210	11,210	11,210
30 mgd Ray Roberts Plant Expansion				4,147	16,815	16,815
25 mgd Treatment Plant Expansion-1					8,396	14,013
25 mgd Treatment Plant Expansion-2						11,318
Total Water Management Strategies	3,204	11,891	21,639	34,217	56,291	74,217
Reserve (Shortage)	0	0	0	0	0	0

* This Add'l Supply includes both additional water purchased from Dallas and a portion of Denton's own supplies that becomes available with additional treatment capacity.

Table C-86
Denton County Fresh Water Supply District Number 1A

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	14,000	25,021	30,000	30,000	30,000	30,000
Projected Water Demand						
Municipal Demand	3,659	6,494	7,777	7,774	7,771	7,769
Total Projected Demand	3,659	6,494	7,777	7,774	7,771	7,769
Currently Available Water Supplies						
Upper Trinity Regional Water District	2,452	3,383	3,174	2,524	2,249	1,973
Lewisville (DWU)	1,151	1,857	1,959	1,748	1,581	1,581
Total Current Supplies	3,603	5,240	5,133	4,272	3,830	3,554
Need (Demand - Current Supply)	56	1,254	2,644	3,502	3,941	4,215
Water Management Strategies						
Water Conservation	67	159	233	259	285	311
Additional Water from UTRWD	0	862	1,881	2,511	2,766	3,024
Additional Water from Lewisville (DWU)	34	234	531	732	889	880
Total Water Management Strategies	101	1,254	2,644	3,502	3,941	4,215
Reserve (Shortage)	45	0	0	0	0	0

Table C-87
Denton County Fresh Water Supply District Number 7

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	13,500	13,500	13,500	13,500	13,500	13,500
Projected Water Demand						
Municipal Demand	3,418	3,405	3,403	3,401	3,399	3,397
Total Projected Demand	3,418	3,405	3,403	3,401	3,399	3,397
Currently Available Water Supplies						
UTRWD	3,418	2,647	2,073	1,648	1,468	1,288
Total Current Supplies	3,418	2,647	2,073	1,648	1,468	1,288
Need (Demand - Current Supply)	0	758	1,330	1,753	1,931	2,109
Water Management Strategies						
Water Conservation	66	98	110	121	132	143
Add'l UTRWD	0	660	1,220	1,632	1,799	1,966
Total Water Management Strategies	66	758	1,330	1,753	1,931	2,109
Reserve (Shortage)	66	0	0	0	0	0

Table C-88
Denton County Fresh Water Supply District Number 10

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,884	16,750	16,750	16,750	16,750	16,750
Projected Water Demand						
Municipal Demand	1,486	3,128	3,127	3,126	3,124	3,124
Total Projected Demand	1,486	3,128	3,127	3,126	3,124	3,124
Currently Available Water Supplies						
Mustang Special Utility District (Groundwater)	49	49	49	49	49	49
Mustang Special Utility District (UTRWD Sources)	298	1,521	1,191	948	845	741
Upper Trinity Regional Water District	1,188	911	713	567	505	443
Total Current Supplies	1,535	2,481	1,953	1,564	1,399	1,233
Need (Demand - Current Supply)	0	647	1,174	1,562	1,725	1,891
Water Management Strategies						
Water Conservation	29	82	100	111	121	132
Add'l Mustang SUD	0	384	702	939	1,035	1,132
Add'l UTRWD	0	230	420	562	618	676
Total Water Management Strategies	29	696	1,223	1,611	1,774	1,940
Reserve (Shortage)	78	49	49	49	49	49

Table C-89
Denton County Irrigation

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,137	2,137	2,137	2,137	2,137	2,137
Currently Available Water Supplies						
Direct Reuse (UTRWD)	897	897	897	897	897	897
Direct Reuse (Denton)	406	406	406	406	406	406
Direct Reuse (Trophy Club MUD #1)	800	800	800	800	800	800
Dallas Water Utilities	429	390	348	321	301	286
Trinity Aquifer	400	400	400	400	400	400
Woodbine Aquifer	1,000	1,000	1,000	1,000	1,000	1,000
Total Current Supplies	3,932	3,893	3,851	3,824	3,804	3,789
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	37	72	90	107	124
Additional UTRWD Direct Reuse	0	560	1,121	2,240	2,240	2,240
Total Water Management Strategies	2	597	1,193	2,330	2,347	2,364
Reserve (Shortage)	1,797	2,353	2,907	4,017	4,014	4,016

**Table C-90
Denton County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,045	1,045	1,045	1,045	1,045	1,045
Currently Available Water Supplies						
Local Supplies	622	622	622	622	622	622
Trinity Aquifer	240	240	240	240	240	240
Woodbine Aquifer	490	490	490	490	490	490
Total Current Supplies	1,352	1,352	1,352	1,352	1,352	1,352
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	307	307	307	307	307	307

**Table C-91
Denton County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,446	1,643	1,843	2,020	2,194	2,383
Currently Available Water Supplies						
Upper Trinity Regional Water District	72	127	112	98	95	90
Denton (Lake Ray Roberts)	759	670	601	524	419	375
Denton (Lake Lewisville)	314	276	247	214	170	152
Dallas Water Utilities	96	100	100	101	103	106
Trinity Aquifer	11	11	11	11	11	11
North Texas Municipal Water District	66	63	65	67	69	69
Northlake (TRWD sources)	14	15	14	14	14	14
Total Current Supplies	1,332	1,262	1,150	1,029	880	816
Need (Demand - Current Supply)	114	381	693	991	1,314	1,567
Water Management Strategies						
Water Conservation	0	3	38	57	62	68
Additional Water from UTRWD	0	37	68	98	118	141
Additional Water from DWU	5	15	26	36	47	56
Additional Water from NTMWD	6	19	25	31	38	47
Additional Water from Denton	128	416	650	892	1,181	1,396
Additional Water from Northlake	0	1	4	5	7	9
New Wells in Woodbine Aquifer	184	184	184	184	184	184
Total Water Management Strategies	322	675	995	1,303	1,638	1,901
Reserve (Shortage)	208	294	302	312	324	334

**Table C-92
Denton County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	4,326	2,729	3,345	4,306	5,204	6,291
Currently Available Water Supplies						
Upper Trinity Regional Water District (through multiple suppliers)	2,363	596	842	1,135	1,400	1,640
Trinity Aquifer	1,963	1,963	1,963	1,963	1,963	1,963
Total Current Supplies	4,326	2,559	2,805	3,098	3,363	3,603
Need (Demand - Current Supply)	0	170	540	1,208	1,841	2,688
Water Management Strategies						
Additional Water from UTRWD	0	170	540	1,208	1,841	2,688
Total Water Management Strategies	0	170	540	1,208	1,841	2,688
Reserve (Shortage)	0	0	0	0	0	0

**Table C-93
Denton County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	30,207	33,609	37,232	53,174	86,087	160,675
Projected Water Demand						
Municipal Demand	3,785	4,155	4,574	6,487	10,458	19,480
Total Projected Water Demand	3,785	4,155	4,574	6,487	10,458	19,480
Currently Available Water Supplies						
Little Elm (NTMWD)	1,658	1,379	1,271	1,198	1,123	1,040
Upper Trinity Regional WD (Direct and thru Aubrey)	1,345	1,558	1,611	2,293	3,814	6,808
Upper Trinity Regional WD (thru Cross Timbers WSC)	36	55	67	71	78	80
Trinity Aquifer	1,640	1,640	1,640	1,640	1,640	1,640
Woodbine Aquifer	165	165	165	165	165	165
Total Current Supplies	4,844	4,797	4,755	5,367	6,820	9,733
Need (Demand - Current Supply)	0	0	0	1,120	3,638	9,747
Water Management Strategies						
Water Conservation	32	47	46	86	174	390
Additional Water from Little Elm	134	412	522	594	668	750
Add'l Water from UTRWD (Direct and thru Aubrey)	0	422	1,008	2,378	4,872	10,804
Add'l Water from UTRWD (thru Cross Timbers WSC)	0	221	460	677	816	925
New wells in Trinity Aquifer	334	334	334	334	334	334
New wells in Woodbine Aquifer	1,000	1,000	1,000	1,000	1,000	1,000
Total Water Management Strategies	1,500	2,435	3,369	5,069	7,865	14,203
Reserve (Shortage)	2,559	3,077	3,550	3,949	4,227	4,455

**Table C-94
Denton County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	646	733	819	906	993	1,088
Currently Available Water Supplies						
Direct Reuse (Denton)	646	733	819	906	993	1,088
Total Current Supplies	646	733	819	906	993	1,088
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-95
De Soto**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	54,617	59,903	65,330	71,222	76,963	82,718
Projected Water Demand						
Municipal Demand	9,442	10,128	10,878	11,765	12,687	13,628
Total Projected Demand	9,442	10,128	10,878	11,765	12,687	13,628
Currently Available Water Supplies						
Dallas Water Utilities	9,003	8,783	8,424	8,400	8,473	8,668
Total Current Supplies	9,003	8,783	8,424	8,400	8,473	8,668
Need (Demand - Current Supply)	439	1,345	2,454	3,365	4,214	4,960
Water Management Strategies						
Water Conservation	227	433	506	587	676	772
Additional Water from DWU	212	912	1,948	2,778	3,538	4,188
Total Water Management Strategies	439	1,345	2,454	3,365	4,214	4,960
Reserve (Shortage)	0	0	0	0	0	0

**Table C-96
Double Oak**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,000	3,000	3,000	3,000	3,000	3,000
Projected Water Demand						
Municipal Demand	558	547	539	534	533	533
Total Projected Water Demand	558	547	539	534	533	533
Currently Available Water Supplies						
Groundwater (thru Cross Timbers WSC)	325	325	325	325	325	325
UTRWD (thru Cross Timbers WSC)	233	196	168	149	146	128
Total Current Supplies	558	521	493	474	471	453
Need (Demand - Current Supply)	0	26	46	60	62	80
Water Management Strategies						
Water Conservation	10	15	16	18	20	21
Additional Water from Cross Timbers WSC	0	43	94	140	172	189
Total Water Management Strategies	10	58	110	158	192	210
Reserve (Shortage)	10	32	64	98	130	130

**Table C-97
Duncanville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	42,927	47,106	47,106	47,106	47,106	47,106
Projected Water Demand						
Municipal Demand	6,065	6,437	6,295	6,218	6,204	6,203
Total Projected Demand	6,065	6,437	6,295	6,218	6,204	6,203
Currently Available Water Supplies						
Dallas Water Utilities	5,783	5,582	4,875	4,439	4,143	3,946
Total Current Supplies	5,783	5,582	4,875	4,439	4,143	3,946
Need (Demand - Current Supply)	282	855	1,420	1,779	2,061	2,257
Water Management Strategies						
Water Conservation	51	73	63	83	103	124
Additional Water from DWU	231	782	1,357	1,696	1,958	2,133
Total Water Management Strategies	282	855	1,420	1,779	2,061	2,257
Reserve (Shortage)	0	0	0	0	0	0

**Table C-98
East Cedar Creek Fresh Water Supply District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (Outside Gun Barrel City)	11,036	12,000	14,568	15,773	16,973	18,161
Projected Water Demand						
Outside Gun Barrel City	742	807	980	1,061	1,141	1,221
In Gun Barrel City	944	996	1,053	1,222	1,852	2,957
In Payne Springs	72	78	83	91	100	123
Total Projected Demand	1,758	1,881	2,116	2,374	3,093	4,301
Currently Available Water Supplies						
TRWD (Cedar Creek)	1,758	1,712	1,702	1,687	1,961	2,434
Total Current Supplies	1,758	1,712	1,702	1,687	1,961	2,434
Need (Demand - Current Supply)	0	169	414	687	1,132	1,867
Water Management Strategies						
Water Conservation	6	9	10	14	19	24
Water Conservation (Customers)	9	13	13	18	34	64
Additional TRWD, with treatment expansions as follows:	0	147	391	655	1,079	1,779
<i>Existing WTP (limit of 5.8 MGD / 3,251 af/y)</i>		147	391	655	1,079	817
<i>2 mgd Treatment Plant Expansion</i>						962
Total Water Management Strategies	15	169	414	687	1,132	1,867
Reserve (Shortage)	15	0	0	0	0	0

**Table C-99
East Fork Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,684	6,151	7,785	9,533	11,423	13,447
Collin County Other Population	5,595	7,240	8,632	13,350	18,498	25,714
Rockwall County Other Population	1,523	2,035	2,583	3,469	4,519	5,851
Total Population	11,802	15,426	19,000	26,352	34,440	45,012
Projected Water Demand						
Municipal Demand for population above	572	721	891	1,081	1,293	1,520
Collin County Other Demand	382	516	625	1,016	1,441	2,048
Rockwall County Other Demand	104	145	187	264	352	466
Total Projected Demand	1,058	1,382	1,703	2,361	3,086	4,034
Currently Available Water Supplies						
North Texas Municipal Water District	527	552	629	720	807	878
NTWMD for Collin Co Other	352	395	441	676	899	1,183
NTWMD for Rockwall Co Other	96	111	132	176	220	269
Total Current Supplies	975	1,058	1,202	1,572	1,926	2,330
Need (Demand - Current Supply)	83	324	501	789	1,160	1,704
Water Management Strategies						
Water Conservation	5	8	9	14	22	30
Water Conservation-Collin Co Other	3	6	6	14	24	41
Water Conservation-Rockwall Co Other	1	2	2	3	6	9
Additional Water from NTMWD	40	161	253	347	464	612
Add'l NTMWD for Collin Co Other	27	115	178	326	518	824
Add'l NTMWD for Rockwall Co Other	7	32	53	85	126	188
<i>Increase delivery infrastructure from NTWMD</i>	74	308	483	758	1,108	1,624
Total Water Management Strategies	83	324	501	789	1,160	1,704
Reserve (Shortage)	0	0	0	0	0	0

Table C-100
Ector

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	773	850	909	962	1,044	1,133
Projected Water Demand						
Municipal Demand	87	92	96	101	109	118
Total Projected Demand	87	92	96	101	109	118
Currently Available Water Supplies						
Woodbine Aquifer	87	87	87	87	87	87
Total Current Supplies	87	87	87	87	87	87
Need (Demand - Current Supply)	0	5	9	14	22	31
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
NTMWD-Fannin Co Water Supply Project	0	46	50	55	62	71
Total Water Management Strategies	1	47	51	56	64	73
Reserve (Shortage)	1	42	42	42	42	42

Table C-101
Edgecliff

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,924	2,924	2,924	2,924	2,924	2,924
Projected Water Demand						
Municipal Demand	503	491	480	475	474	474
Total Projected Demand	503	491	480	475	474	474
Currently Available Water Supplies						
Fort Worth (TRWD)	479	396	328	292	267	245
Total Current Supplies	479	396	328	292	267	245
Need (Demand - Current Supply)	24	95	152	183	207	229
Water Management Strategies						
Water Conservation	9	13	14	16	17	19
Additional Water from Fort Worth	15	82	138	167	190	210
Total Water Management Strategies	24	95	152	183	207	229
Reserve (Shortage)	0	0	0	0	0	0

**Table C-102
Ellis County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	572	572	572	572	572	572
Currently Available Water Supplies						
Local Supplies	3	3	3	3	3	3
Trinity Aquifer	129	129	129	129	129	129
Woodbine Aquifer	440	440	440	440	440	440
Total Current Supplies	572	572	572	572	572	572
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-103
Ellis County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	905	905	905	905	905	905
Currently Available Water Supplies						
Local Supplies	1,112	1,112	1,112	1,112	1,112	1,112
Woodbine Aquifer	97	97	97	97	97	97
Total Current Supplies	1,209	1,209	1,209	1,209	1,209	1,209
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	304	304	304	304	304	304

**Table C-104
Ellis County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	5,247	5,403	5,560	5,716	5,716	5,716
Currently Available Water Supplies						
Trinity Aquifer	900	900	900	900	900	900
Woodbine Aquifer	1,719	1,719	1,719	1,719	1,719	1,719
Midlothian (TRWD Sources)	164	143	119	103	89	79
Midlothian (Midlothian Sources)	83	67	52	43	35	29
Ennis (TRWD sources)	35	79	89	124	88	54
Ennis (Lake Bardwell)	475	418	366	263	160	95
Waxahachie (TRWD Sources)	565	472	356	649	619	498
Waxahachie (Lake Waxahachie)	602	524	413	323	257	200
Waxahachie (Lake Bardwell)	929	814	637	493	388	313
Waxahachie (Reuse)	749	755	736	666	553	450
Total Current Supplies	6,222	5,891	5,388	5,282	4,808	4,338
Need (Demand - Current Supply)	0	0	172	434	908	1,378
Water Management Strategies						
Water Conservation	0	6	63	88	90	90
Additional Water from Midlothian	15	60	107	140	162	178
Additional Water from Ennis	15	43	101	185	323	423
Additional Water from Waxahachie	0	0	99	111	425	781
Total Water Management Strategies	30	103	307	437	911	1,381
Reserve (Shortage)	1,005	592	135	3	3	3

**Table C-105
Ellis County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	147	213	164	123	82	55
Currently Available Water Supplies						
Woodbine Aquifer	213	213	213	213	213	213
Total Current Supplies	213	213	213	213	213	213
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	66	0	49	90	131	158

**Table C-106
Ellis County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,100	6,500	7,177	27,642	60,016	105,596
Projected Water Demand						
Municipal Demand	745	762	815	3,058	6,623	11,645
Total Projected Water Demand	745	762	815	3,058	6,623	11,645
Currently Available Water Supplies						
Rockett Special Utility District (Midlothian)	481	333	224	162	142	186
Rockett Special Utility District (TRWD)	1,273	1,075	908	797	822	1,230
Waxahachie (Lake Waxahachie)	200	178	150	149	144	165
Waxahachie (Lake Bardwell)	309	277	231	228	218	259
Waxahachie (Reuse)	249	257	268	308	310	372
Waxahachie (TRWD)	188	160	129	300	347	411
Ennis (Lake Bardwell)	168	148	134	351	464	486
Ennis (TRWD)	12	28	33	166	256	275
Trinity Aquifer	200	200	200	200	200	200
Woodbine Aquifer	345	345	345	345	345	345
Total Current Supplies	3,425	3,001	2,623	3,006	3,247	3,927
Need (Demand - Current Supply)	0	0	0	52	3,376	7,718
Water Management Strategies						
Water Conservation	6	9	8	41	110	233
Additional Water from Rockett SUD	760	1,104	1,381	1,536	2,144	4,790
Additional Water from Waxhachie	0	0	34	41	215	605
Additional Water from Ennis	6	15	37	241	906	2,089
Total Water Management Strategies	772	1,128	1,460	1,859	3,376	7,718
Reserve (Shortage)	3,452	3,367	3,268	1,807	0	0

**Table C-107
Ellis County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	698	1,450	3,741	5,754	7,878	10,786
Currently Available Water Supplies						
Ennis Direct Reuse	909	909	909	909	909	909
Ennis Treated Water	477	453	403	333	214	129
Midlothian	211	174	138	114	96	85
Total Current Supplies	1,597	1,535	1,450	1,356	1,219	1,122
Need (Demand - Current Supply)	0	0	2,291	4,398	6,659	9,664
Water Management Strategies						
Additional water from Midlothian	13	50	86	110	128	139
Additional Treated from Ennis	15	39	89	159	278	363
Waxahachie	0	0	2,116	4,129	4,484	4,484
Trinity River Authority Ellis Co. Reuse	0	0	0	0	2,200	4,700
Total Water Management Strategies	28	90	2,291	4,398	7,090	9,687
Reserve (Shortage)	927	175	0	0	431	23

Table C-108
Ennis

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (Inside City)	22,000	26,000	30,000	41,059	66,101	110,000
Projected Water Demand						
Inside City	4,148	4,789	5,447	7,397	11,879	19,748
Manufacturing, Steam Electric and Customers	2,508	2,620	2,757	3,462	4,506	6,904
Total Projected Demand	6,656	7,409	8,204	10,859	16,385	26,652
Currently Available Water Supplies						
Trinity River Authority (Lake Bardwell) ^(a)	5,200	5,035	4,801	4,567	4,333	4,296
Direct Reuse (Steam Electric)	909	909	909	909	909	909
<i>Contracted Amount from TRWD</i>	<i>3,991</i>	<i>3,991</i>	<i>3,991</i>	<i>3,991</i>	<i>3,991</i>	<i>3,991</i>
Available TRWD (through TRA)	379	946	1,173	2,309	3,934	3,991
Treated Water from Rockett for Retail Conn.	12	9	8	6	5	3
Total Current Supplies	6,500	6,899	6,891	7,641	7,640	7,638
Need (Demand - Current Supply)	156	510	1,313	3,218	8,745	19,014
Water Management Strategies						
Water Conservation	160	412	494	701	1,175	2,029
Water Conservation (customers)	8	14	24	41	67	146
Additional Rockett for Retail connections	5	8	9	11	12	14
Currently available TRWD supply previously unused due to WTP Capacity limit	0	0	0	144	1,536	1,558
Indirect Reuse			518	1,392	3,696	3,696
Additional TRWD		93	285	940	2,271	11,585
Plant Expansions to utilize supply:						
<i>6 MGD WTP expansion</i>			56	2,479	3,363	3,363
<i>8 MGD WTP expansion</i>					4,142	4,484
<i>16 MGD WTP expansion</i>						8,992
Total Water Management Strategies	173	527	1,330	3,229	8,757	19,028
Reserve (Shortage)	17	17	17	11	12	14

(a) Ennis has a contract with the Trinity River Authority for 5,200 acre-feet per year. The yield of Bardwell is decreasing over time due to sedimentation, and Ennis' share of the reduced yield is shown here.

Table C-109
Eules

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	54,214	57,150	57,150	57,150	57,150	57,150
Projected Water Demand						
Municipal Demand	8,978	9,212	9,031	8,932	8,913	8,913
Total Projected Demand	8,978	9,212	9,031	8,932	8,913	8,913
Currently Available Water Supplies						
Fort Worth Direct Reuse	368	368	368	368	368	368
Trinity Aquifer	1,211	1,211	1,211	1,211	1,211	1,211
Trinity River Authority (TRWD)	7,399	6,947	5,995	5,226	4,650	4,150
Total Current Supplies	8,978	8,526	7,574	6,805	6,229	5,729
Need (Demand - Current Supply)	0	686	1,457	2,127	2,684	3,184
Water Management Strategies						
Water Conservation	178	274	300	119	149	178
Additional Water from TRA (TRWD)	0	412	1,157	2,008	2,535	3,006
Total Water Management Strategies	178	686	1,457	2,127	2,684	3,184
Reserve (Shortage)	178	0	0	0	0	0

Table C-110
Eustace

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,100	1,200	1,300	1,919	2,500	3,000
Projected Water Demand						
Municipal Demand	119	125	132	191	248	297
Total Projected Demand	119	125	132	191	248	297
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	194	194	194	194	194	194
Total Current Supplies	194	194	194	194	194	194
Need (Demand - Current Supply)	0	0	0	0	54	103
Water Management Strategies						
Water Conservation	1	1	1	3	4	6
New well in Carrizo-Wilcox	103	103	103	103	103	103
Total Water Management Strategies	104	104	104	106	107	109
Reserve (Shortage)	179	173	166	109	53	6

**Table C-111
Everman**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,286	6,477	6,600	6,600	6,600	6,600
Projected Water Demand						
Municipal Demand	541	528	514	501	499	499
Total Projected Demand	541	528	514	501	499	499
Currently Available Water Supplies						
Trinity Aquifer	604	604	604	604	604	604
Total Current Supplies	604	604	604	604	604	604
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	5	6	5	7	8	10
Total Water Management Strategies	5	6	5	7	8	10
Reserve (Shortage)	68	82	95	110	113	115

**Table C-112
Fairfield**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,232	3,486	3,662	7,000	8,000	10,000
Projected Water Demand						
Municipal Demand	673	708	730	1,385	1,580	1,974
Manufacturing customers	60	71	81	90	96	102
Total Projected Demand	733	779	811	1,475	1,676	2,076
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	1,192	1,181	1,171	1,162	1,104	998
Carrizo-Wilcox Aquifer for Manf	60	71	81	90	96	102
Total Current Supplies	1,252	1,252	1,252	1,252	1,200	1,100
Need (Demand - Current Supply)	0	0	0	223	476	976
Water Management Strategies						
Water Conservation	6	8	7	32	50	79
Purchase water from TRWD with New WTP	0	0	0	191	426	897
Total Water Management Strategies	6	8	7	223	476	976
Reserve (Shortage)	525	481	448	0	0	0

**Table C-113
Fairview**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	13,000	15,000	20,025	20,025	20,025	20,025
Projected Water Demand						
Municipal Demand	4,644	5,329	7,094	7,087	7,084	7,083
Total Projected Demand	4,644	5,329	7,094	7,087	7,084	7,083
Currently Available Water Supplies						
North Texas Municipal Water District	4,279	4,083	5,010	4,718	4,420	4,091
Total Current Supplies	4,279	4,083	5,010	4,718	4,420	4,091
Need (Demand - Current Supply)	365	1,246	2,084	2,369	2,664	2,992
Water Management Strategies						
Water Conservation	91	145	219	243	266	290
Additional Water from NTMWD	274	1,101	1,865	2,126	2,398	2,702
Total Water Management Strategies	365	1,246	2,084	2,369	2,664	2,992
Reserve (Shortage)	0	0	0	0	0	0

**Table C-114
Fannin County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	8,301	8,301	8,301	8,301	8,301	8,301
Currently Available Water Supplies						
Red River (Run-of-River)	4,613	4,613	4,613	4,613	4,613	4,613
Other Aquifer	2,909	2,909	2,909	2,909	2,909	2,909
Woodbine Aquifer	780	780	780	780	780	780
Total Current Supplies	8,302	8,302	8,302	8,302	8,302	8,302
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None	0	0	0	0	0	0
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	1	1	1	1	1	1

**Table C-115
Fannin County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,668	1,668	1,668	1,668	1,668	1,668
Currently Available Water Supplies						
Local Supplies	1,306	1,306	1,306	1,306	1,306	1,306
Other Aquifer	10	10	10	10	10	10
Trinity Aquifer	320	320	320	320	320	320
Woodbine Aquifer	32	32	32	32	32	32
Total Current Supplies	1,668	1,668	1,668	1,668	1,668	1,668
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-116
Fannin County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	88	97	106	114	124	135
Currently Available Water Supplies						
NTMWD (Lake Bonham thru Bonham)	88	96	82	66	60	55
Total Current Supplies	88	96	82	66	60	55
Need (Demand - Current Supply)	0	1	24	48	64	80
Water Management Strategies						
Fannin County Water Supply Project	0	1	24	48	64	80
Total Water Management Strategies	0	1	24	48	64	80
Reserve (Shortage)	0	0	0	0	0	0

**Table C-117
Fannin County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	128	128	128	128	128	128
Currently Available Water Supplies						
Run-Of-River	72	72	72	72	72	72
Total Current Supplies	72	72	72	72	72	72
Need (Demand - Current Supply)	56	56	56	56	56	56
Water Management Strategies						
NTMWD Fannin County Water Supply Project	56	56	56	56	56	56
Total Water Management Strategies	56	56	56	56	56	56
Reserve (Shortage)	0	0	0	0	0	0

**Table C-118
Fannin County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	13,168	13,168	13,168	18,250	40,000	65,000
Projected Water Demand						
Municipal Demand	1,466	1,411	1,364	1,846	4,010	6,503
Total Projected Water Demand	1,466	1,411	1,364	1,846	4,010	6,503
Currently Available Water Supplies						
NTMWD (Lake Bonham thru Bonham)	399	607	477	464	388	327
Run-of-river - Red River	20	20	20	20	20	20
Run-of-river - Sulphur River	49	49	49	49	49	49
Trinity Aquifer	260	260	260	260	260	260
Woodbine Aquifer	738	738	738	738	738	738
Total Current Supplies	1,466	1,674	1,544	1,531	1,455	1,394
Need (Demand - Current Supply)	0	0	0	315	2,555	5,109
Water Management Strategies						
Water Conservation	12	17	14	25	67	130
Add'l NTWMD (via Fannin Co WSP)	0	0	123	607	2,805	5,296
Total Water Management Strategies	12	17	137	632	2,872	5,426
Reserve (Shortage)	12	280	317	317	317	317

Table C-119
Fannin County Steam Electric Power

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	6,363	11,474	11,910	12,443	13,092	13,775
Currently Available Water Supplies						
Lake Texoma (Lumiant/Valley Lake)	6,363	6,363	6,363	6,363	6,363	6,363
Woodbine Aquifer	200	200	200	200	200	200
Total Current Supplies	6,563	6,563	6,563	6,563	6,563	6,563
Need (Demand - Current Supply)	0	4,911	5,347	5,880	6,529	7,212
Water Management Strategies						
Lake Texoma (GTUA)	0	9,000	9,000	9,000	9,000	9,000
Total Water Management Strategies	0	9,000	9,000	9,000	9,000	9,000
Reserve (Shortage)	200	4,089	3,653	3,120	2,471	1,788

Table C-120
Farmers Branch

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	30,613	32,509	34,455	36,567	38,625	40,689
Projected Water Demand						
Municipal Demand	9,041	9,458	9,911	10,457	11,031	11,618
Total Projected Demand	9,041	9,458	9,911	10,457	11,031	11,618
Currently Available Water Supplies						
Dallas Water Utilities	8,621	8,202	7,675	7,466	7,367	7,390
Total Current Supplies	8,621	8,202	7,675	7,466	7,367	7,390
Need (Demand - Current Supply)	420	1,256	2,236	2,991	3,664	4,228
Water Management Strategies						
Water Conservation	215	398	456	519	588	661
Additional Water from DWU	205	858	1,780	2,472	3,076	3,567
Total Water Management Strategies	420	1,256	2,236	2,991	3,664	4,228
Reserve (Shortage)	0	0	0	0	0	0

**Table C-121
Farmersville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,000	20,000	20,000	20,000	20,000	20,000
Projected Water Demand						
Municipal Demand	958	2,310	2,299	2,293	2,291	2,291
Total Projected Demand	958	2,310	2,299	2,293	2,291	2,291
Currently Available Water Supplies						
North Texas Municipal Water District	883	1,770	1,624	1,526	1,429	1,323
Total Current Supplies	883	1,770	1,624	1,526	1,429	1,323
Need (Demand - Current Supply)	75	540	675	767	862	968
Water Management Strategies						
Water Conservation	8	20	23	31	38	46
Additional Water from NTMWD	67	520	652	736	824	922
Total Water Management Strategies	75	540	675	767	862	968
Reserve (Shortage)	0	0	0	0	0	0

**Table C-122
Fate**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	9,825	14,083	18,924	23,821	29,290	45,000
Projected Water Demand						
Municipal Demand	1,731	2,457	3,291	4,135	5,079	7,797
Total Projected Demand	1,731	2,457	3,291	4,135	5,079	7,797
Currently Available Water Supplies						
North Texas Municipal Water District	1,595	1,883	2,324	2,753	3,169	4,503
Total Current Supplies	1,595	1,883	2,324	2,753	3,169	4,503
Need (Demand - Current Supply)	136	574	967	1,382	1,910	3,294
Water Management Strategies						
Water Conservation	32	62	99	138	186	312
Additional Water from NTMWD	104	512	868	1,244	1,724	2,982
<i>Increase delivery infrastructure from NTMWD</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>390</i>	<i>2,982</i>
Total Water Management Strategies	136	574	967	1,382	1,910	3,294
Reserve (Shortage)	0	0	0	0	0	0

Table C-123

Ferris

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,946	3,550	4,174	4,844	8,022	15,026
Projected Water Demand						
Municipal Demand	461	539	622	715	1,180	2,205
Total Projected Demand	461	539	622	715	1,180	2,205
Currently Available Water Supplies						
Woodbine Aquifer	353	353	353	353	353	353
Rockett Special Utility District (TRWD and Midlothian)	76	104	121	138	252	413
Total Current Supplies	429	457	474	491	605	766
Need (Demand - Current Supply)	32	82	148	224	575	1,439
Water Management Strategies						
Water Conservation	4	6	6	10	20	44
Additional Water from Rockett SUD	28	76	142	214	555	1,395
<i>Increase delivery infrastructure from Rockett SUD in future</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>394</i>	<i>1,395</i>
Total Water Management Strategies	32	82	148	224	575	1,439
Reserve (Shortage)	0	0	0	0	0	0

Table C-124

Files Valley Water Supply Corporation (Region C Only)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region C Population	775	991	1,243	1,538	1,887	2,291
Projected Water Demand						
Municipal Demand in Region C	119	148	182	223	272	330
Milford	66	67	69	74	80	89
Total Projected Region C Demand	185	215	251	297	352	419
Currently Available Water Supplies						
Aquilla Water Supply District (BRA - Region G)	119	148	182	223	272	330
Aquilla Water Supply District (BRA - Region G) for Milford	84	84	84	84	84	84
Total Current Supplies	203	232	266	307	356	414
Need (Demand - Current Supply)	0	0	0	0	0	5
Water Management Strategies						
Water Conservation	1	2	2	3	5	7
Ellis County Water Supply Project (Waxahachie from TRA from TRWD)	0	55	59	63	68	72
Total Water Management Strategies	1	57	61	66	73	79
Region C Reserve (Shortage)	19	74	76	76	77	74

**Table C-125
Flo Community Water Supply Corporation (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Region C Population	521	562	590	611	627	638
Projected Water Demand						
Municipal Demand in Region C	40	41	41	42	43	43
Total Projected Region C Demand	40	41	41	42	43	43
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	40	41	41	42	43	43
Total Current Supplies	40	41	41	42	43	43
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	1	1	1
Total Water Management Strategies	0	0	0	1	1	1
Reserve (Shortage)	0	0	0	1	1	1

**Table C-126
Flower Mound**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	75,555	93,000	93,000	93,000	93,000	93,000
Projected Water Demand						
Municipal Demand	19,049	23,148	23,022	22,948	22,924	22,922
Total Projected Demand	19,049	23,148	23,022	22,948	22,924	22,922
Currently Available Water Supplies						
Upper Trinity Regional Water District	10,477	11,158	8,694	6,894	6,140	5,387
Dallas Water Utilities	6,166	6,166	6,166	6,166	5,817	5,540
Total Current Supplies	16,643	17,323	14,859	13,059	11,957	10,927
Need (Demand - Current Supply)	2,407	5,825	8,163	9,889	10,967	11,995
Water Management Strategies						
Water Conservation	349	597	691	765	841	917
Additional Water from UTRWD	0	2,824	5,152	6,860	7,551	8,257
Additional Water from DWU and additional pipeline	2,249	2,404	2,320	2,264	2,574	2,822
Total Water Management Strategies	2,598	5,825	8,163	9,889	10,967	11,995
Reserve (Shortage)	192	0	0	0	0	0

**Table C-127
Forest Hill**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	13,000	13,788	15,000	18,000	23,000	30,000
Projected Water Demand						
Municipal Demand	1,362	1,381	1,448	1,703	2,164	2,817
Total Projected Demand	1,362	1,381	1,448	1,703	2,164	2,817
Currently Available Water Supplies						
Fort Worth (TRWD)	1,296	1,114	990	1,048	1,219	1,459
Total Current Supplies	1,296	1,114	990	1,048	1,219	1,459
Need (Demand - Current Supply)	66	267	458	655	945	1,358
Water Management Strategies						
Water Conservation	11	16	14	23	36	56
Additional Water from Fort Worth	55	251	444	632	909	1,302
Total Water Management Strategies	66	267	458	655	945	1,358
Reserve (Shortage)	0	0	0	0	0	0

**Table C-128
Forney**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In-City Only)	22,033	26,000	33,978	41,317	60,000	80,000
Projected Water Demand						
Municipal Demand	3,191	3,707	4,803	5,817	8,428	11,227
Manufacturing and Customer Demand	10,844	11,223	11,753	12,923	14,437	16,445
Total Projected Demand	14,035	14,930	16,556	18,740	22,865	27,672
Currently Available Water Supplies						
Garland Reuse (for power plant)	6,879	6,879	6,879	6,879	6,879	6,879
North Texas Municipal Water District	6,592	6,168	6,834	7,896	9,973	10,978
Total Current Supplies	13,471	13,047	13,713	14,775	16,852	17,857
Need (Demand - Current Supply)	564	1,883	2,843	3,965	6,013	9,815
Water Management Strategies						
Water Conservation	27	41	48	78	140	225
Water Conservation (Customers)	33	53	83	127	178	251
Additional Water from NTMWD	504	1,789	2,712	3,760	5,695	9,339
<i>Increase delivery infrastructure from NTWMD (pump station)</i>				678	4,690	9,339
Total Water Management Strategies	564	1,883	2,843	3,965	6,013	9,815
Reserve (Shortage)	0	0	0	0	0	0

Note: See appendix H for details on customer demands.

**Table C-129
Forney Lake Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,521	6,918	8,518	10,340	17,041	24,209
Projected Water Demand						
Municipal Demand	896	1,108	1,355	1,639	2,694	3,824
Total Projected Demand	896	1,108	1,355	1,639	2,694	3,824
Currently Available Water Supplies						
North Texas Municipal Water District	825	849	957	1,091	1,681	2,208
Total Current Supplies	825	849	957	1,091	1,681	2,208
Need (Demand - Current Supply)	71	259	398	548	1,013	1,616
Water Management Strategies						
Water Conservation	16	28	41	55	99	153
Additional Water from NTMWD	55	231	357	493	914	1,463
Total Water Management Strategies	71	259	398	548	1,013	1,616
Reserve (Shortage)	0	0	0	0	0	0

**Table C-130
Fort Worth (Region C and Region G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	953,971	1,206,920	1,490,815	1,659,683	1,806,476	1,953,270
Projected Water Demand						
Municipal Demand	187,763	232,925	284,675	315,508	343,007	370,751
Manufacturing and Customer Demand	104,660	115,101	125,715	139,908	154,345	170,006
Total Projected Demand	292,423	348,026	410,390	455,416	497,352	540,757
Currently Available Water Supplies						
Tarrant Regional Water District (limited by treatment plant capacity)	275,830	278,569	278,569	278,569	278,569	278,569
Direct Reuse (Village Creek)	4,366	4,423	4,423	4,423	4,423	4,423
Total Current Supplies	280,196	282,992	282,992	282,992	282,992	282,992
Need (Demand - Current Supply)	12,227	65,035	127,398	172,425	214,360	257,766
Water Management Strategies						
Water Conservation	16,721	20,051	12,454	14,455	16,831	19,409
Water Conservation Customers	1,569	2,338	3,079	3,878	4,589	5,378
Alliance Direct Reuse	2,800	2,800	7,841	7,841	7,841	7,841
Fort Worth Future Reuse	2,688	6,934	8,166	8,166	8,166	8,166
Additional Raw Water Needed from TRWD with treatment as below:		32,912	95,858	138,085	176,933	216,971
<i>Eagle Mountain 35 mgd expansion</i>		19,618	19,618	19,618	19,618	19,618
<i>West Plant 23 mgd expansion</i>		12,892	12,892	12,892	12,892	12,892
<i>Rolling Hills 50 mgd expansion</i>		402	28,025	28,025	28,025	28,025
<i>West Plant 35 mgd expansion</i>			19,618	19,618	19,618	19,618
<i>Eagle Mountain 30 mgd expansion</i>			15,705	16,815	16,815	16,815
<i>50 mgd expansion</i>				28,025	28,025	28,025
<i>50 mgd expansion</i>				13,092	28,025	28,025
<i>50 mgd expansion</i>					23,915	28,025
<i>50 mgd expansion</i>						28,025
<i>50 mgd expansion</i>						7,903
Total Water Management Strategies	23,778	65,035	127,398	172,425	214,360	257,766
Reserve (Shortage)	11,551	0	0	0	0	0

Note: See appendix H for details on customer demands.

**Table C-131
Freestone County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	298	298	298	298	298	298
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	298	298	298	298	298	298
Local Supplies	87	87	87	87	87	87
Total Current Supplies	385	385	385	385	385	385
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	0	1	1
Total Water Management Strategies	0	0	0	0	1	1
Reserve (Shortage)	87	87	87	87	88	88

**Table C-132
Freestone County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,852	1,852	1,852	1,852	1,852	1,852
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	809	809	809	809	809	809
Local Supplies	1,043	1,043	1,043	1,043	1,043	1,043
Total Current Supplies	1,852	1,852	1,852	1,852	1,852	1,852
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-133
Freestone County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	100	111	121	130	136	142
Currently Available Water Supplies						
Teague (Carrizo-Wilcox groundwater)	40	40	40	40	40	40
Fairfield (carrizo-Wilcox groundwater)	60	71	81	90	96	102
Total Current Supplies	100	111	121	130	136	142
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-134
Freestone County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	5,347	5,115	5,251	5,286	5,356	5,582
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	874	874	874	874	874	874
Local Supplies	120	120	120	120	120	120
Total Current Supplies	994	994	994	994	994	994
Need (Demand - Current Supply)	4,353	4,121	4,257	4,292	4,362	4,588
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	-4,353	-4,121	-4,257	-4,292	-4,362	-4,588

**Table C-135
Freestone County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	11,719	11,719	11,719	15,056	25,000	50,000
Projected Water Demand						
Municipal Demand	1,208	1,163	1,127	1,416	2,332	4,644
Total Projected Water Demand	1,208	1,163	1,127	1,416	2,332	4,644
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	848	848	848	848	848	848
Corsicana	121	75	68	76	110	189
Run-of-River local supply	41	41	41	41	41	41
Total Current Supplies	1,010	964	957	965	999	1,078
Need (Demand - Current Supply)	198	199	170	451	1,333	3,566
Water Management Strategies						
Water Conservation	10	14	11	19	39	93
Additional Water from Corsicana w/ additional delivery infrastructure	0	40	44	64	119	266
Water from TRWD with new delivery and treatment facilities	189	145	115	368	1,175	3,207
Total Water Management Strategies	199	199	170	451	1,333	3,566
Reserve (Shortage)	1	0	0	0	0	0

**Table C-136
Freestone County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	25,000	25,000	25,000	28,712	33,963	40,175
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	152	152	152	152	152	152
Lake Fairfield	870	870	870	870	870	870
Trinity River Authority (upstream diversion of Lake Livingston)	20,000	20,000	20,000	20,000	20,000	20,000
TRA (TRWD Sources)	6,726	6,122	5,411	4,781	4,264	3,806
Total Current Supplies	27,748	27,144	26,433	25,803	25,286	24,828
Need (Demand - Current Supply)	0	0	0	2,909	8,677	15,347
Water Management Strategies						
Additional Water from TRWD (current contract)	0	604	1,315	1,945	2,462	2,920
Additional Water from TRWD (New contract)	0	0	0	0	0	5,667
Trinity River Authority Reuse	0	0	0	6,760	6,760	6,760
Total Water Management Strategies	0	604	1,315	8,705	9,222	15,347
Reserve (Shortage)	2,748	2,748	2,748	5,796	545	0

**Table C-137
Frisco**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	171,326	225,663	280,000	280,000	280,000	280,000
Projected Water Demand						
Municipal Demand	41,595	54,375	67,287	67,224	67,180	67,167
Manufacturing (4% Collin Co)	138	156	173	188	204	222
Collin County Irrigation	140	140	140	140	140	140
Total Projected Demand	41,873	54,671	67,600	67,552	67,524	67,529
Currently Available Water Supplies						
North Texas Municipal Water District	36,258	39,090	43,532	40,991	38,388	35,527
NTWMD (for manufacturing)	127	119	122	125	128	128
Trinity Aquifer (for Irrigation)	100	100	100	100	100	100
Woodbine Aquifer (for Irrigation)	40	40	40	40	40	40
Total Current Supplies	36,525	39,349	43,794	41,256	38,656	35,795
Need (Demand - Current Supply)	5,348	15,322	23,806	26,296	28,868	31,734
Water Management Strategies						
Water Conservation	1,730	2,645	3,572	3,793	4,015	4,238
Water Conservation - Manufacturing	0	0	4	5	6	6
Add'l Water from NTMWD for Frisco	1,367	9,280	14,533	16,790	19,127	21,752
Add'l Water from NTMWD for Manf	11	37	47	58	70	88
Direct Reuse	2,240	3,360	5,650	5,650	5,650	5,650
Total Water Management Strategies	5,348	15,322	23,806	26,296	28,868	31,734
Reserve (Shortage)	0	0	0	0	0	0

Table C-138

Frost

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	712	785	860	946	1,036	1,132
Projected Water Demand						
Municipal Demand	69	72	76	82	90	98
Total Projected Demand	69	72	76	82	90	98
Currently Available Water Supplies						
Corsicana	69	47	46	44	42	40
Woodbine Aquifer	16	16	16	16	16	16
Total Current Supplies	85	63	62	60	58	56
Need (Demand - Current Supply)	0	9	14	22	32	42
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Additional water from Cosicana	0	24	29	37	46	56
Increase delivery infrastructure from Corsicana?						
Total Water Management Strategies	1	25	30	38	48	58
Reserve (Shortage)	17	16	16	16	16	16

Table C-139

Gainesville

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	17,336	18,607	19,582	20,552	25,000	35,000
Projected Water Demand						
Municipal Demand	2,492	2,589	2,659	2,755	3,338	4,663
Manufacturing and Customers	1,113	713	609	921	1,791	4,714
Total Projected Demand	3,605	3,302	3,268	3,676	5,129	9,377
Currently Available Water Supplies						
Moss Lake (limited by WTP capacity)	2,242	2,242	2,242	2,242	2,242	2,242
Direct Reuse (for Cooke Co Irr)	9	9	9	9	9	9
Trinity Aquifer	2,104	2,104	2,104	2,104	2,104	2,104
Total Current Supplies	4,355	4,355	4,355	4,355	4,355	4,355
Need (Demand - Current Supply)	0	0	0	0	774	5,022
Water Management Strategies						
Water Conservation	21	30	27	37	56	93
Water Conservation (Customers)	27	38	41	61	88	160
Additional Lake Moss with WTP Expansions as below					560	4,699
<i>2.5 MGD WTP Expansion</i>					560	1,401
<i>6 MGD WTP Expansion</i>						3,298
<i>Infrastructure to deliver to customers</i>	0	204	293	393	937	1,825
Expand Direct Reuse	70	70	70	70	70	70
Total Water Management Strategies	118	138	138	168	774	5,022
Reserve (Shortage)	868	1,191	1,225	847	0	0

Note: See Appendix H for details on customer demands.

**Table C-140
Garland**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	234,650	241,767	243,522	243,631	243,761	243,907
Projected Water Demand						
Municipal Demand	37,871	38,007	37,508	37,102	37,037	37,060
Dallas Co Manufacturing	3,401	3,703	3,979	4,203	4,228	4,254
Collin Co Steam Electric	715	602	740	594	782	724
Reuse Demand (Forney)	8,979	8,979	8,979	8,979	8,979	8,979
Total Projected Demand	50,966	51,291	51,206	50,878	51,026	51,017
Currently Available Water Supplies						
North Texas Municipal Water District	34,891	29,123	26,490	24,700	23,107	21,403
NTWMD for Manufacturing	3,133	2,838	2,810	2,798	2,638	2,456
NTWMD for Steam Electric	659	461	523	395	488	418
Total Current Treated Supplies	38,683	32,422	29,823	27,893	26,233	24,277
Reuse Supply	8,979	8,979	8,979	8,979	8,979	8,979
Total Current Reuse Supplies	8,979	8,979	8,979	8,979	8,979	8,979
Need (Demand - Current Supply)	3,304	9,890	12,404	14,006	15,814	17,761
Water Management Strategies						
Water Conservation	694	1,013	375	495	617	741
Water Conservation for Manufacturing	0	7	83	118	123	124
Additional NTWMD	2,610	8,870	11,946	13,393	15,074	16,896
Total Water Management Strategies	3,304	9,890	12,404	14,006	15,814	17,761
Reserve (Shortage)	0	0	0	0	0	0

Note: See Appendix H for details on customer demands.

**Table C-141
Garrett**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	1,032	1,320	1,656	2,049	2,514	6,000
Projected Water Demand						
Municipal Demand	346	438	546	674	827	1,970
Total Projected Demand	346	438	546	674	827	1,970
Currently Available Water Supplies						
Ennis Bardwell Supply (via Community WC)	313	339	359	309	232	329
TRWD sources (via Ennis, via Community WC)	23	64	88	146	128	186
Total Current Supplies	336	403	447	456	359	515
Need (Demand - Current Supply)	10	35	99	218	468	1,455
Water Management Strategies						
Water Conservation	6	11	16	22	30	79
Add'l Ennis (direct & via Community WC)	4	24	83	196	438	1,376
Total Water Management Strategies	10	35	99	218	468	1,455
Reserve (Shortage)	0	0	0	0	0	0

**Table C-142
Gastonia-Scurry Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population						
Outside of Scurry	9,508	11,910	14,663	17,830	30,000	45,000
Scurry	850	1,050	1,250	1,919	2,700	6,000
Total Population Served	10,358	12,960	15,913	19,749	32,700	51,000
Projected Water Demand						
Municipal Demand (Outside of Scurry)	640	801	986	1,199	2,017	3,025
Demand in Scurry	59	71	85	129	182	404
Talty (33%)	101	124	152	185	256	425
Total Projected Demand	800	996	1,223	1,513	2,455	3,854
Currently Available Water Supplies						
North Texas Municipal Water District	554	584	669	772	903	708
NTWMD for Scurry	54	54	60	86	114	233
NTWMD for Talty	93	95	108	123	160	246
Total Current Supplies	701	733	837	981	1,177	1,187
Need (Demand - Current Supply)	99	263	386	532	1,278	2,667
Water Management Strategies						
Water Conservation GSSUD	5	9	10	16	34	61
Water Conservation Scurry	0	1	1	2	3	8
Water Conservation Talty	1	1	2	2	4	9
Add'l Water from NTMWD for GSSUD	42	169	268	372	511	457
Add'l Water from NTMWD for Scurry	5	16	24	41	65	163
Add'l Water from NTMWD for Talty	7	28	42	60	92	170
Connect to Seagoville (DWU)	39	39	39	39	569	1,799
Total Water Management Strategies	99	263	386	532	1,278	2,667
Reserve (Shortage)	0	0	0	0	0	0

**Table C-143
Glenn Heights**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	17,323	23,308	29,590	36,506	43,522	59,000
Projected Water Demand						
Municipal Demand	1,897	2,479	3,107	3,810	4,533	6,136
Customer Demand (Oak Leaf)	100	110	131	207	330	413
Total Projected Demand	1,997	2,589	3,238	4,017	4,863	6,549
Currently Available Water Supplies						
Trinity Aquifer	94	94	94	94	94	94
Dallas Water Utilities for Glenn Heights	1,644	2,095	2,373	2,745	3,132	4,056
Dallas Water Utilities for Oak Leaf	95	95	101	148	220	263
Woodbine Aquifer	79	79	79	79	79	79
Total Current Supplies	1,912	2,363	2,647	3,066	3,525	4,492
Need (Demand - Current Supply)	85	226	591	951	1,338	2,057
Water Management Strategies						
Water Conservation	16	26	31	51	76	123
Water Conservation (customer)	1	2	2	3	6	9
Additional DWU for Glenn Heights	64	185	530	841	1,152	1,784
Additional DWU for Oak Leaf	4	13	28	56	104	141
<i>Increase delivery infrastructure from DWU</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>289</i>	<i>1,925</i>
Total Water Management Strategies	85	226	591	951	1,338	2,057
Reserve (Shortage)	0	0	0	0	0	0

**Table C-144
Grand Prairie**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	218,162	258,759	283,493	283,515	283,541	283,571
Projected Water Demand						
Municipal Demand	35,194	40,815	44,164	43,910	43,850	43,845
Irrigation (raw water)	300	300	300	300	300	300
Johnson County Special Utility District	6,726	6,726	6,726	6,726	6,726	6,726
Manufacturing Demand	1,428	1,475	1,525	1,570	1,608	1,649
Total Projected Demand	43,648	49,316	52,715	52,506	52,484	52,520
Currently Available Water Supplies						
Trinity Aquifer	4,200	4,200	4,200	4,200	4,200	4,200
Joe Pool Lake (raw water)	300	300	300	300	300	300
Fort Worth (TRWD)	2,667	2,260	1,916	1,725	1,579	1,451
Midlothian	3,363	3,363	3,363	3,363	3,363	3,363
Mansfield	3,363	3,363	3,363	3,146	2,841	2,573
Dallas Water Utilities	23,966	26,712	26,052	23,869	21,938	20,918
Total Current Supplies	37,859	40,198	39,194	36,603	34,221	32,805
Need (Demand - Current Supply)	5,789	9,118	13,521	15,903	18,263	19,715
Water Management Strategies						
Water Conservation	645	1,060	442	585	731	877
Water Conservation (customers)	1	13	50	68	75	80
DWU Pipeline and Additional DWU	781	3,327	7,301	9,154	10,393	11,331
Additional Fort Worth (TRWD)	85	495	831	1,016	1,159	1,286
Mansfield (TRWD)	3,240	3,188	3,296	3,490	3,773	4,018
Arlington (TRWD)	1,100	1,092	1,665	1,660	2,205	2,197
Total Water Management Strategies	5,851	9,175	13,585	15,973	18,336	19,789
Reserve (Shortage)	62	57	64	70	73	74

**Table C-145
Grapevine**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	52,414	58,930	60,000	60,000	60,000	60,000
Projected Water Demand						
Municipal Demand	18,467	20,509	20,725	20,641	20,624	20,623
Golf Course (Tarrant County Irrigation)	1,121	1,121	1,121	1,121	1,121	1,121
Total Projected Demand	19,588	21,630	21,846	21,762	21,745	21,744
Currently Available Water Supplies						
Dallas Water Utilities	3,402	3,409	3,141	2,823	2,608	2,461
Indirect Reuse (Purchased from DCPCMUD)	3,311	3,677	3,716	3,701	3,698	3,698
Trinity River Authority (TRWD)	10,387	10,498	9,279	8,199	7,313	6,527
Lake Grapevine*	1,983	1,950	1,917	1,883	1,850	1,817
Total Current Supplies	19,084	19,535	18,053	16,606	15,469	14,503
Need (Demand - Current Supply)	504	2,095	3,793	5,156	6,276	7,241
Water Management Strategies						
Water Conservation	339	537	622	688	756	825
Additional Water from TRA/TRWD	0	1,037	2,256	3,336	4,222	5,008
Additional Water from DWU	165	522	915	1,132	1,298	1,408
Total Water Management Strategies	504	2,095	3,793	5,156	6,276	7,241
Reserve (Shortage)	0	0	0	0	0	0
Alternate Water Management Strategy						
Purchase unused Lake Grapevine yield from DCPCMUD	5,000	5,000	5,000	4,980	4,841	4,692

*Lake Grapevine supply is based on Grapevine's portion of the firm yield as calculated by TCEQ WAM. It is significantly less than Grapevine's water right amount.

**Table C-146
Grayson County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,438	2,654	2,870	3,086	3,303	3,519
Currently Available Water Supplies						
Trinity Aquifer	503	503	503	503	503	503
Woodbine Aquifer	3,165	3,165	3,165	3,165	3,165	3,165
Red River Authority (Lake Texoma)	150	150	150	150	150	151
Local Supplies	1,091	1,091	1,091	1,091	1,091	1,091
Total Current Supplies	4,909	4,909	4,909	4,909	4,909	4,910
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	4	9	12	16	19
Total Water Management Strategies	0	4	9	12	16	19
Reserve (Shortage)	2,471	2,259	2,048	1,835	1,622	1,410

**Table C-147
Grayson County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,458	1,458	1,458	1,458	1,458	1,458
Currently Available Water Supplies						
Trinity Aquifer	104	104	104	104	104	104
Woodbine Aquifer	360	360	360	360	360	360
Local Supplies	1,075	1,075	1,075	1,075	1,075	1,075
Total Current Supplies	1,539	1,539	1,539	1,539	1,539	1,539
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	81	81	81	81	81	81

**Table C-148
Grayson County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	4,905	5,329	5,729	6,065	6,584	7,147
Currently Available Water Supplies						
Sherman (GTUA - Lake Texoma)	3,619	3,718	3,595	3,297	2,789	2,100
Denison (Lake Randell)	736	799	859	910	988	1,072
Howe (NTMWD through GTUA)	45	41	40	40	41	41
Woodbine Aquifer	1,200	1,200	1,200	1,200	1,200	1,200
Local Supplies	30	30	30	30	30	30
Total Current Supplies	5,630	5,788	5,724	5,477	5,048	4,443
Need (Demand - Current Supply)	0	0	5	588	1,536	2,704
Water Management Strategies						
Water Conservation	0	11	122	175	187	203
Additional Howe	4	12	17	21	25	30
Additional Sherman (Grayson County Water Supply Project)	60	268	580	1,076	1,962	3,058
Total Water Management Strategies	64	291	719	1,272	2,174	3,291
Reserve (Shortage)	789	750	714	684	638	587
Alternate Water Management Strategy						
Direct Reuse from Sherman	561	561	561	561	561	561

**Table C-149
Grayson County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	79	91	107	123	142	163
Currently Available Water Supplies						
Trinity Aquifer	22	22	22	22	22	22
Red River Authority (Lake Texoma)	100	100	100	100	100	100
Total Current Supplies	122	122	122	122	122	122
Need (Demand - Current Supply)	0	0	0	1	20	41
Water Management Strategies						
New Well in Trinity Aquifer (Red Basin)				41	41	41
Total Water Management Strategies	0	0	0	41	41	41
Reserve (Shortage)	43	31	15	40	21	0

**Table C-150
Grayson County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	21,617	21,617	21,617	21,617	30,000	50,000
Projected Water Demand						
Municipal Demand	2,746	2,642	2,554	2,536	3,494	5,801
Total Projected Water Demand	2,746	2,642	2,554	2,536	3,494	5,801
Currently Available Water Supplies						
Denison (Lake Randell)	60	60	60	60	60	60
Red River Authority (Lake Texoma)	641	641	641	641	641	641
Denison (Lake Texoma)	340	340	340	340	340	340
Sherman (GTUA - Lake Texoma)	2,161	2,043	1,838	1,593	1,241	1,363
Trinity Aquifer	750	750	750	750	750	750
Woodbine Aquifer	800	800	800	800	800	800
Total Current Supplies	4,752	4,634	4,429	4,184	3,832	3,954
Need (Demand - Current Supply)	0	0	0	0	0	1,847
Water Management Strategies						
Water Conservation	23	31	26	34	58	116
Grayson County Water Supply Project (Sherman WTP)	13	123	333	570	898	2,002
Grayson County Water Supply Project (North WTP)	0	200	300	400	500	600
Grayson County Water Supply Project (Northwest WTP)	0	560	560	560	560	560
Total Water Management Strategies	36	914	1,219	1,564	2,016	3,278
Reserve (Shortage)	2,041	2,905	3,093	3,211	2,353	1,430

**Table C-151
Grayson County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	6,163	12,711	12,711	12,711	12,711	12,711
Currently Available Water Supplies						
Sherman (GTUA - Lake Texoma)	6,163	6,163	6,163	6,163	6,163	6,163
Total Current Supplies	6,163	6,163	6,163	6,163	6,163	6,163
Need (Demand - Current Supply)	0	6,548	6,548	6,548	6,548	6,548
Water Management Strategies						
GTUA (Lake Texoma) with pipeline	0	6,548	6,548	6,548	6,548	6,548
Total Water Management Strategies	0	6,548	6,548	6,548	6,548	6,548
Reserve (Shortage)	0	0	0	0	0	0
Alternate Water Management Strategy						
Direct Reuse from Sherman		4,352	4,771	5,496	6,548	6,548

**Table C-152
Gun Barrel City**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	6,000	6,500	7,000	8,211	12,500	20,000
Projected Water Demand						
Municipal Demand	944	996	1,053	1,222	1,852	2,957
Total Projected Demand	944	996	1,053	1,222	1,852	2,957
Currently Available Water Supplies						
TRWD through East Cedar Creek Freshwater Supply District	620	611	575	594	691	794
Total Current Supplies	620	611	575	594	691	794
Need (Demand - Current Supply)	324	385	478	628	1,161	2,163
Water Management Strategies						
Water Conservation	8	11	11	16	31	59
Additional East Cedar Creek FWSD	316	374	467	612	1,130	2,104
Total Water Management Strategies	324	385	478	628	1,161	2,163
Reserve (Shortage)	0	0	0	0	0	0

**Table C-153
Gunter**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	2,200	3,000	4,000	5,000	6,000	7,000
Projected Water Demand						
Municipal Demand	355	473	624	776	930	1,085
Total Projected Demand	355	473	624	776	930	1,085
Currently Available Water Supplies						
Trinity Aquifer	355	355	355	355	355	355
Total Current Supplies	355	355	355	355	355	355
Need (Demand - Current Supply)	0	118	269	421	575	730
Water Management Strategies						
Water Conservation	3	21	6	10	16	22
New wells	50	100	100	100	100	100
Grayson County Water Supply Project (Sherman WTP)	0	97	263	411	559	708
Total Water Management Strategies	53	218	369	521	675	830
Reserve (Shortage)	53	100	100	100	100	100

**Table C-154
Hackberry**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	1,274	1,645	2,088	2,583	3,162	3,823
Projected Water Demand						
Municipal Demand	309	394	498	615	752	908
Total Projected Demand	309	394	498	615	752	908
Currently Available Water Supplies						
North Texas Municipal Water District	285	302	352	409	469	524
Total Current Supplies	285	302	352	409	469	524
Need (Demand - Current Supply)	24	92	146	206	283	384
Water Management Strategies						
Water Conservation	6	10	15	21	28	36
Additional Water from NTMWD	18	82	131	185	255	348
<i>Increase delivery infrastructure from NTWMD</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>70</i>	<i>200</i>	<i>348</i>
Total Water Management Strategies	24	92	146	206	283	384
Reserve (Shortage)	0	0	0	0	0	0

**Table C-155
Haltom City**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	44,000	45,000	47,000	51,000	55,000	60,000
Projected Water Demand						
Municipal Demand	5,285	5,226	5,308	5,670	6,093	6,640
Total Projected Demand	5,285	5,226	5,308	5,670	6,093	6,640
Currently Available Water Supplies						
Fort Worth (TRWD)	5,030	4,215	3,628	3,490	3,432	3,439
Total Current Supplies	5,030	4,215	3,628	3,490	3,432	3,439
Need (Demand - Current Supply)	255	1,011	1,680	2,180	2,661	3,201
Water Management Strategies						
Water Conservation	44	61	53	76	102	133
Additional Water from Fort Worth	211	950	1,627	2,104	2,559	3,068
Total Water Management Strategies	255	1,011	1,680	2,180	2,661	3,201
Reserve (Shortage)	0	0	0	0	0	0

**Table C-156
Haslet**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	1,630	2,000	2,303	5,000	7,000	8,000
Projected Water Demand						
Municipal Demand	532	644	736	1,589	2,222	2,539
Total Projected Demand	532	644	736	1,589	2,222	2,539
Currently Available Water Supplies						
Fort Worth (TRWD)	446	469	460	939	1,216	1,282
Trinity Aquifer	63	63	63	63	63	63
Total Current Supplies	509	532	523	1,002	1,279	1,345
Need (Demand - Current Supply)	23	112	213	587	943	1,194
Water Management Strategies						
Water Conservation	4	17	26	72	109	133
Additional Water from Fort Worth	19	95	187	515	834	1,061
Total Water Management Strategies	23	112	213	587	943	1,194
Reserve (Shortage)	0	0	0	0	0	0

**Table C-157
Heath**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	12,107	24,300	24,300	24,300	24,300	24,300
Projected Water Demand						
Municipal Demand	3,945	7,839	7,826	7,818	7,816	7,815
Total Projected Demand	3,945	7,839	7,826	7,818	7,816	7,815
Currently Available Water Supplies						
North Texas Municipal Water District (through Rockwall)	3,635	6,007	5,527	5,205	4,876	4,513
Total Current Supplies	3,635	6,007	5,527	5,205	4,876	4,513
Need (Demand - Current Supply)	310	1,832	2,299	2,613	2,940	3,302
Water Management Strategies						
Water Conservation	78	217	262	288	314	340
Additional Water from NTMWD (Rockwall)	232	1,615	2,037	2,325	2,626	2,962
Total Water Management Strategies	310	1,832	2,299	2,613	2,940	3,302
Reserve (Shortage)	0	0	0	0	0	0

**Table C-158
Henderson County Irrigation (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand in Region C	0	0	0	0	0	0
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	50	50	50	50	50	50
Direct reuse	32	32	32	32	32	32
Local supplies	415	415	415	415	415	415
Total Current Supplies	497	497	497	497	497	497
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	497	497	497	497	497	497

**Table C-159
Henderson County Livestock (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand in Region C	490	490	490	490	490	490
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	13	13	13	13	13	13
Queen City Aquifer	500	500	500	500	500	500
Local Supplies	341	341	341	341	341	341
Total Current Supplies	854	854	854	854	854	854
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	364	364	364	364	364	364

**Table C-160
Henderson County Manufacturing (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand in Region C	575	594	613	633	652	671
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	396	396	396	396	396	396
Carrizo-Wilcox Aquifer (through Malakoff)	6	6	6	6	7	7
Athens MWA (through Athens)	345	353	346	334	240	179
Total Current Supplies	747	755	748	736	643	582
Need (Demand - Current Supply)	0	0	0	0	9	89
Water Management Strategies						
Additional Water from Athens WMA (through Athens)	175	172	171	167	122	92
Total Water Management Strategies	175	172	171	167	122	92
Reserve (Shortage)	347	333	306	270	113	3

**Table C-161
Henderson County Mining (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand in Region C	607	607	607	607	607	607
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	425	425	425	425	425	425
Tarrant Regional Water District	182	166	146	129	115	103
Total Current Supplies	607	591	571	554	540	528
Need (Demand - Current Supply)	0	16	36	53	67	79
Water Management Strategies						
Add'l TRWD	0	16	36	53	67	79
Total Water Management Strategies	0	16	36	53	67	79
Reserve (Shortage)	0	0	0	0	0	0

**Table C-162
Henderson County Other (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population in Region C	3,424	2,700	2,623	2,319	2,058	1,807
Projected Water Demand in Region C						
Municipal Demand	314	233	215	189	167	147
Total Projected Water Demand	314	233	215	189	167	147
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	75	75	75	75	75	75
Tarrant Regional WD (direct & thru Mabank)	239	144	113	81	58	41
Total Current Supplies	314	219	188	156	133	116
Need (Demand - Current Supply)	0	14	27	33	34	31
Water Management Strategies						
Water Conservation	3	3	2	3	3	3
Additional Water from TRWD	0	11	25	30	31	28
Total Water Management Strategies	3	14	27	33	34	31
Reserve (Shortage)	3	0	0	0	0	0

**Table C-163
Henderson County Steam Electric Power (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand in Region C	4,000	7,000	8,000	9,000	10,000	11,000
Currently Available Water Supplies						
Lake Trinidad	3,050	3,050	3,050	3,050	3,050	3,050
Total Current Supplies	3,050	3,050	3,050	3,050	3,050	3,050
Need (Demand - Current Supply)	950	3,950	4,950	5,950	6,950	7,950
Water Management Strategies						
Tarrant Regional Water District	4,500	4,500	4,950	5,950	6,950	7,950
Total Water Management Strategies	4,500	4,500	4,950	5,950	6,950	7,950
Reserve (Shortage)	3,550	550	0	0	0	0

**Table C-164
Hickory Creek**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,089	5,110	6,331	7,941	7,941	7,941
Projected Water Demand						
Municipal Demand	583	709	865	1,078	1,076	1,076
Total Projected Demand	583	709	865	1,078	1,076	1,076
Currently Available Water Supplies						
Lake Cities Municipal Utility Authority (Groundwater)	97	97	97	97	97	97
Lake Cities Municipal Utility Authority (UTRWD)	486	479	473	477	431	376
Total Current Supplies	583	576	570	574	528	473
Need (Demand - Current Supply)	0	133	295	504	548	603
Water Management Strategies						
Water Conservation	5	8	9	14	18	22
Add'l Water from Lake Cities MUA (UTRWD)	0	135	306	520	569	620
Total Water Management Strategies	5	143	315	534	587	642
Reserve (Shortage)	5	10	20	30	39	39

**Table C-165
Hickory Creek Special Utility District (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population in Region C	4,517	6,474	9,112	12,741	17,913	25,413
Projected Water Demand in Region C						
Municipal Demand	36	38	40	42	46	50
Total Projected Region C Demand	36	38	40	42	46	50
Currently Available Water Supplies						
Woodbine Aquifer in Region D	50	50	50	50	50	50
Total Current Supplies	50	50	50	50	50	50
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	1	1	1
Total Water Management Strategies	0	0	0	1	1	1
Reserve (Shortage)	14	12	10	9	5	1

**Table C-166
High Point Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,255	6,585	8,108	9,847	15,716	20,831
Projected Water Demand						
Municipal Demand	477	569	681	817	1,298	1,718
Total Projected Demand	477	569	681	817	1,298	1,718
Currently Available Water Supplies						
Forney (NTMWD)	220	218	240	272	405	496
Terrell (NTMWD)	141	141	141	141	141	141
Total Current Supplies	361	359	382	413	546	637
Need (Demand - Current Supply)	116	210	299	404	752	1,081
Water Management Strategies						
Water Conservation	4	6	7	11	22	34
Additional Water from Forney	17	64	97	132	233	346
Additional Water from Terrell (increase contract amount)	96	141	196	262	497	701
Total Water Management Strategies	117	211	300	405	752	1,081
Reserve (Shortage)	1	1	1	1	0	0

**Table C-167
Highland Park**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	9,025	9,313	9,313	9,313	9,313	9,313
Projected Water Demand						
Municipal Demand	4,056	4,141	4,106	4,091	4,088	4,088
Total Projected Demand	4,056	4,141	4,106	4,091	4,088	4,088
Currently Available Water Supplies						
Dallas County Park Cities Municipal Utility District (Lake Grapevine)	4,022	4,093	4,065	4,036	4,020	4,006
Total Current Supplies	4,022	4,093	4,065	4,036	4,020	4,006
Need (Demand - Current Supply)	34	48	41	55	68	82
Water Management Strategies						
Water Conservation	34	48	41	55	68	82
Total Water Management Strategies	34	48	41	55	68	82
Reserve (Shortage)	0	0	0	0	0	0

**Table C-168
Highland Village**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	17,100	18,000	18,000	18,000	18,000	18,000
Projected Water Demand						
Municipal Demand	3,832	3,968	3,924	3,899	3,893	3,893
Total Projected Demand	3,832	3,968	3,924	3,899	3,893	3,893
Currently Available Water Supplies						
Trinity Aquifer	1,347	1,347	1,347	1,347	1,347	1,347
Upper Trinity Regional Water District	2,485	2,143	1,733	1,434	1,333	1,169
Total Current Supplies	3,832	3,490	3,080	2,781	2,680	2,516
Need (Demand - Current Supply)	0	478	844	1,118	1,213	1,377
Water Management Strategies						
Water Conservation	70	105	118	130	143	156
Additional Water from UTRWD	0	508	994	1,396	1,609	1,760
Total Water Management Strategies	70	613	1,112	1,526	1,752	1,916
Reserve (Shortage)	70	135	268	408	539	539

**Table C-169
Honey Grove**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,700	1,800	1,800	1,800	1,800	1,800
Projected Water Demand						
Municipal Demand	274	280	274	271	271	271
Total Projected Demand	274	280	274	271	271	271
Currently Available Water Supplies						
Woodbine Aquifer	274	274	274	274	274	274
Total Current Supplies	274	274	274	274	274	274
Need (Demand - Current Supply)	0	6	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	3	4	5	5
NTMWD-Fannin Co Water Supply Project	0	185	241	237	236	236
Total Water Management Strategies	2	188	244	241	241	241
Reserve (Shortage)	2	182	244	244	244	244

**Table C-170
Howe**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,000	3,500	4,000	4,500	5,000	5,500
Projected Water Demand						
Municipal Demand	287	318	352	390	432	474
Grayson County Manufacturing	49	53	57	61	66	71
Total Projected Demand	336	371	409	451	498	545
Currently Available Water Supplies						
Woodbine Aquifer	282	282	282	282	282	282
North Texas Municipal WD (Collin-Grayson Municipal Alliance Pipeline)	5	28	49	72	94	111
North Texas MWD (Collin-Grayson MA for Grayson Co Manufacturing)	45	41	40	40	41	41
Total Current Supplies	332	350	372	394	417	434
Need (Demand - Current Supply)	4	21	37	56	81	111
Water Management Strategies						
Water Conservation	2	4	4	5	7	9
Additional Water from NTMWD (Expanded CGMA Pipeline)	0	4	17	31	49	72
Additional Water from NTMWD (Expanded CGMA Pipeline for Grayson Co Manufacturing)	4	12	17	21	25	30
Total Water Management Strategies	6	21	37	57	81	111
Reserve (Shortage)	2	0	0	0	0	0
Alternate Water Management Strategy						
Grayson County Water Supply Project (Sherman WTP)	2	17	33	51	74	102

**Table C-171
Hudson Oaks**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,673	3,684	4,695	4,808	4,808	4,808
Projected Water Demand						
Municipal Demand	458	618	779	795	795	795
Total Projected Demand	458	618	779	795	795	795
Currently Available Water Supplies						
Trinity Aquifer	229	309	390	398	398	398
TRWD supplies (thru Weatherford)	229	281	313	245	146	132
Lake Weatherford (thru Weatherford)	106	120	128	84	55	38
Total Current Supplies	564	710	831	727	599	568
Need (Demand - Current Supply)	0	0	0	69	197	228
Water Management Strategies						
Water Conservation	9	19	27	30	33	36
Additional Water from Weatherford	0	0	0	39	164	192
Total Water Management Strategies	9	19	27	69	197	228
Reserve (Shortage)	115	111	79	0	0	0

**Table C-172
Hurst**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	40,000	41,000	41,000	41,000	41,000	41,000
Projected Water Demand						
Municipal Demand	6,828	6,819	6,680	6,604	6,590	6,590
Total Projected Demand	6,828	6,819	6,680	6,604	6,590	6,590
Currently Available Water Supplies						
Trinity Aquifer	816	816	816	816	816	816
Fort Worth (TRWD)	5,722	4,841	4,008	3,563	3,253	2,990
Total Current Supplies	6,538	5,657	4,824	4,379	4,069	3,806
Need (Demand - Current Supply)	290	1,162	1,856	2,225	2,521	2,784
Water Management Strategies						
Water Conservation	219	275	292	311	332	354
Additional Water from Fort Worth	71	887	1,564	1,914	2,189	2,430
Total Water Management Strategies	290	1,162	1,856	2,225	2,521	2,784
Reserve (Shortage)	0	0	0	0	0	0

**Table C-173
Hutchins**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	9,903	13,922	17,941	21,960	25,979	30,000
Projected Water Demand						
Municipal Demand	1,022	1,396	1,779	2,166	2,558	2,952
Wilmer	193	190				
Total Projected Demand	1,215	1,586	1,779	2,166	2,558	2,952
Currently Available Water Supplies						
Dallas Water Utilities	974	1,211	1,378	1,546	1,708	1,878
DWU for Customer (Wilmer)	193	190				
Total Current Supplies	1,167	1,401	1,378	1,546	1,708	1,878
Need (Demand - Current Supply)	48	185	401	620	850	1,074
Water Management Strategies						
Water Conservation	9	14	18	29	43	59
Additional Water from DWU	39	171	383	591	807	1,015
Total Water Management Strategies	48	185	401	620	850	1,074
Reserve (Shortage)	0	0	0	0	0	0

**Table C-174
Irving**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	260,752	284,500	284,500	284,500	284,500	284,500
Projected Water Demand						
Municipal Demand	56,135	60,148	59,460	59,081	59,001	58,992
Manufacturing Demand	3,779	4,115	4,421	4,670	4,698	4,727
Total Projected Demand	59,914	64,263	63,881	63,751	63,699	63,719
Currently Available Water Supplies						
Lake Chapman for Municipal	35,084	34,568	34,083	33,655	33,447	33,239
Lake Chapman for Manufacturing	3,779	4,115	4,421	4,670	4,698	4,727
Dallas Water Utilities	4,768	4,336	3,872	3,570	3,339	3,180
Total Current Supplies	43,631	43,019	42,376	41,895	41,484	41,146
Need (Demand - Current Supply)	16,283	21,244	21,505	21,856	22,215	22,573
Water Management Strategies						
Water Conservation	1,029	1,584	1,784	1,969	2,163	2,360
Water Conservation (Manufacturing)	0	8	92	132	137	138
Lake Chapman Silt Barrier Removal	3,418	3,326	3,235	3,143	3,052	2,960
Additional Water from DWU	232	664	1,128	1,430	1,661	1,820
TRA Central Reuse Project	28,025	28,025	28,025	28,025	28,025	28,025
Total Water Management Strategies	32,704	33,607	34,263	34,699	35,037	35,303
Reserve (Shortage)	16,420	12,363	12,758	12,842	12,823	12,730

**Table C-175
Italy**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,386	3,052	3,828	4,738	6,000	8,000
Projected Water Demand						
Municipal Demand	314	386	473	580	733	976
Total Projected Demand	314	386	473	580	733	976
Currently Available Water Supplies						
Trinity Aquifer	192	192	192	192	192	192
Woodbine Aquifer	122	122	122	122	122	122
Total Current Supplies	314	314	314	314	314	314
Need (Demand - Current Supply)	0	72	159	266	419	662
Water Management Strategies						
Water Conservation	3	4	5	8	12	20
Waxahachie (TRWD through TRA)	0	68	154	258	407	642
Total Water Management Strategies	3	72	159	266	419	662
Reserve (Shortage)	3	0	0	0	0	0

**Table C-176
Jack County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	101	101	101	101	101	101
Currently Available Water Supplies						
Other Aquifer	55	55	55	55	55	55
Direct reuse	27	26	26	25	25	24
Local supplies (Run-of-River)	110	110	110	110	110	110
Total Current Supplies	192	191	191	190	190	189
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	3	6	8	10	11
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	91	90	90	89	89	88

**Table C-177
Jack County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	932	932	932	932	932	932
Currently Available Water Supplies						
Other Aquifer	130	130	130	130	130	130
Local Livestock Supplies	802	802	802	802	802	802
Total Current Supplies	932	932	932	932	932	932
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-178
Jack County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2	2	2	2	2	2
Currently Available Water Supplies						
Bryson	1	1	1	1	1	1
Jacksboro (Lost Creek/Jacksboro system)	1	1	1	1	1	1
Total Current Supplies	2	2	2	2	2	2
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-179
Jack County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,555	1,745	1,698	1,731	1,768	1,862
Currently Available Water Supplies						
Other Aquifer	204	204	204	204	204	204
Local Supplies	370	370	370	370	370	370
Total Current Supplies	574	574	574	574	574	574
Need (Demand - Current Supply)	981	1,171	1,124	1,157	1,194	1,288
Water Management Strategies						
Jacksboro Indirect Reuse to Mining	330	342	348	351	356	359
Tarrant Regional Water District	401	579	526	556	588	679
Total Water Management Strategies	731	921	874	907	944	1,038
Reserve (Shortage)	-250	-250	-250	-250	-250	-250

**Table C-180
Jack County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,307	4,598	4,778	4,873	4,943	4,988
Projected Water Demand in Region C						
Municipal Demand	482	495	500	502	508	512
Total Projected Water Demand	482	495	500	502	508	512
Currently Available Water Supplies						
Other Aquifer	495	495	495	495	495	495
Total Current Supplies	495	495	495	495	495	495
Need (Demand - Current Supply)	0	0	5	7	13	17
Water Management Strategies						
Water Conservation	4	6	5	7	8	10
Jacksboro (Lost Creek/Jacksboro system)	7	7	7	7	7	7
Walnut Creek SUD	48	49	49	50	50	51
Total Water Management Strategies	59	62	61	64	65	68
Reserve (Shortage)	72	62	56	57	52	51

**Table C-181
Jack County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,665	2,879	3,092	3,305	3,518	3,745
Currently Available Water Supplies						
Tarrant Regional Water District	2,665	2,620	2,487	2,349	2,230	2,119
Total Current Supplies	2,665	2,620	2,487	2,349	2,230	2,119
Need (Demand - Current Supply)	0	259	605	956	1,288	1,626
Water Management Strategies						
Additional Tarrant Regional WD	0	259	605	956	1,288	1,626
Total Water Management Strategies	0	259	605	956	1,288	1,626
Reserve (Shortage)	0	0	0	0	0	0

**Table C-182
Jacksboro**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,863	5,191	5,395	5,503	5,581	5,631
Projected Water Demand						
Municipal Demand	681	706	719	725	734	740
Jack County Other	7	7	7	7	7	7
Jack County Manufacturing	1	1	1	1	1	1
Jack County Mining (Reuse Demand)	330	342	348	351	356	359
Total Projected Demand	1,019	1,056	1,075	1,084	1,098	1,107
Currently Available Water Supplies						
Lost Creek/Jacksboro system (limited by WTP Capacity of 1.3 MGD)	734	734	734	734	734	734
Total Current Supplies	734	734	734	734	734	734
Need (Demand - Current Supply)	285	322	341	350	364	373
Water Management Strategies						
Water Conservation	6	8	7	10	12	15
Jacksboro Indirect Reuse to Mining	330	342	348	351	356	359
Total Water Management Strategies	336	350	355	361	368	374
Reserve (Shortage)	51	28	14	11	4	1

**Table C-183
Johnson County Special Utility District (Region C &G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	39,845	45,919	52,179	59,015	66,375	74,235
Projected Water Demand						
Municipal Demand	5,134	5,735	6,389	7,155	8,027	8,970
Total Projected Region C Demand	5,134	5,735	6,389	7,155	8,027	8,970
Currently Available Water Supplies						
Mansfield (TRWD)	6,887	6,304	5,633	4,720	4,262	3,860
BRA Lake Granbury	276	304	334	368	405	444
Total Current Supplies	7,163	6,608	5,967	5,088	4,667	4,304
Need (Demand - Current Supply)	0	0	422	2,067	3,360	4,666
Water Management Strategies						
Water Conservation	2	4	4	5	7	10
Additional Supply from Mansfield	3,202	3,785	4,456	5,369	5,827	6,229
Grand Prairie (multiple sources)	6,726	6,726	6,726	6,726	6,726	6,726
Total Water Management Strategies	9,930	10,515	11,186	12,100	12,560	12,965
Available for Brazos G Region	11,959	11,388	10,764	10,033	9,200	8,299

**Table C-184
Josephine (Region C and D)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,859	2,906	3,953	5,000	5,000	5,000
Projected Water Demand						
Municipal Demand	278	424	573	722	722	722
Total Projected Demand	278	424	573	722	722	722
Currently Available Water Supplies						
North Texas Municipal Water District	238	299	367	427	400	370
Total Current Supplies	238	299	367	427	400	370
Need (Demand - Current Supply)	40	125	206	295	322	352
Water Management Strategies						
Water Conservation	2	4	5	9	11	13
Additional Water from NTMWD	38	121	201	286	311	339
Total Water Management Strategies	40	125	206	295	322	352
Reserve (Shortage)	0	0	0	0	0	0

Table C-185

Justin

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,650	8,325	12,000	12,000	12,000	12,000
Projected Water Demand						
Municipal Demand	695	1,212	1,733	1,729	1,728	1,727
Total Projected Demand	695	1,212	1,733	1,729	1,728	1,727
Currently Available Water Supplies						
Upper Trinity Regional Water District	209	603	819	674	621	544
Trinity Aquifer	242	242	242	242	242	242
Total Current Supplies	451	845	1,061	916	863	786
Need (Demand - Current Supply)	244	367	672	813	865	941
Water Management Strategies						
Water Conservation	6	12	17	23	29	35
New well	244	244	244	244	244	244
Additional Water from UTRWD	0	160	508	694	787	857
Total Water Management Strategies	250	416	769	961	1,060	1,136
Reserve (Shortage)	6	49	97	148	195	195

Table C-186

Kaufman

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population In City Only	8,000	10,000	12,500	18,890	24,445	30,000
Projected Water Demand						
Municipal Demand	990	1,184	1,442	2,151	2,777	3,406
Kaufman County Other	22	31	169	441	1,332	2,022
Total Projected Demand	1,012	1,215	1,611	2,592	4,109	5,428
Currently Available Water Supplies						
North Texas Municipal Water District	912	907	1,018	1,432	1,733	1,967
NTWMD for Kaufman Co Other	19	22	102	232	733	1,043
Total Current Supplies	931	929	1,121	1,664	2,466	3,010
Need (Demand - Current Supply)	81	285	490	927	1,643	2,418
Water Management Strategies						
Water Conservation	8	13	14	29	46	68
Additional Water from NTMWD	70	264	410	690	998	1,371
Add'l NTMWD for Kaufman Co Other	3	8	67	208	599	979
Total Water Management Strategies	81	285	490	927	1,643	2,418
Reserve (Shortage)	0	0	0	0	0	0

**Table C-187
Kaufman County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	179	179	179	179	179	179
Currently Available Water Supplies						
Tarrant Regional WD (Cedar Creek)	425	387	342	302	269	240
Direct Reuse	547	650	758	758	758	758
North Texas MWD Reuse	0	0	0	0	0	0
Local Supplies	64	64	64	64	64	64
Nacatoch Aquifer	89	89	89	89	89	89
Trinity Aquifer	0	0	0	0	0	0
Total Current Supplies	1,125	1,189	1,252	1,213	1,180	1,151
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Additional Water from TRWD	0	38	83	123	156	185
Total Water Management Strategies	0	38	83	123	156	185
Reserve (Shortage)	946	1,049	1,157	1,157	1,157	1,157

**Table C-188
Kaufman County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,717	1,717	1,717	1,717	1,717	1,717
Currently Available Water Supplies						
Nacatoch Aquifer	100	100	100	100	100	100
Local Supplies	1,622	1,622	1,622	1,622	1,622	1,622
Total Current Supplies	1,722	1,722	1,722	1,722	1,722	1,722
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	5	5	5	5	5	5

**Table C-189
Kaufman County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	813	869	928	993	1,061	1,134
Currently Available Water Supplies						
Trinity Aquifer	487	487	487	487	487	487
North Texas Municipal Water District (through Terrell, Forney, and Kaufman)	749	666	632	609	589	568
Total Current Supplies	1,236	1,153	1,119	1,096	1,076	1,055
Need (Demand - Current Supply)	0	0	0	0	0	79
Water Management Strategies						
Water Conservation	0	2	20	28	30	32
Additional water from NTMWD	64	201	276	356	442	534
Total Water Management Strategies	64	203	296	384	472	566
Reserve (Shortage)	487	487	487	487	487	487

**Table C-190
Kaufman County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	296	386	491	646	783	951
Currently Available Water Supplies						
Local Supplies	86	86	86	86	86	86
Trinity Aquifer	350	350	350	350	350	350
Total Current Supplies	436	436	436	436	436	436
Need (Demand - Current Supply)	0	0	55	210	347	515
Water Management Strategies						
Trinity Aquifer New wells	0	0	344	344	344	344
Connect to and Purchase water from NTMWD	0	0	0	0	3	171
Total Water Management Strategies	0	0	344	344	347	515
Reserve (Shortage)	140	50	289	134	0	0

**Table C-191
Kaufman County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	15,829	17,093	24,432	38,000	65,000	90,000
Projected Water Demand						
Municipal Demand	1,742	1,835	2,565	3,949	6,730	9,310
Total Projected Water Demand	1,742	1,835	2,565	3,949	6,730	9,310
Currently Available Water Supplies						
Nacatoch Aquifer	736	736	736	736	736	736
Woodbine Aquifer	200	200	200	200	200	200
DWU (through Combine WSC thru Seagoville)	156	144	172	224	288	309
North Texas Municipal Water District	313	298	599	1,123	2,450	3,408
Tarrant Regional Water District (thru Mabank)	183	194	201	179	143	114
Total Current Supplies	1,588	1,572	1,908	2,461	3,817	4,767
Need (Demand - Current Supply)	155	263	657	1,488	2,913	4,543
Water Management Strategies						
Water Conservation	15	21	26	53	112	186
Additional Water from DWU	94	116	198	347	690	1,043
Additional Water from NTMWD	47	106	382	976	1,928	3,067
Additional Water from TRWD (thru Mabank)	0	22	52	115	189	256
Water from TRWD w/ new delivery and treatment facilities (0.8 MGD)	86	91	127	194	331	457
Total Water Management Strategies	242	355	785	1,685	3,250	5,009
Reserve (Shortage)	87	92	128	197	337	466

**Table C-192
Kaufman County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	8,000	8,000	8,000	8,000	8,000	8,000
Currently Available Water Supplies						
Reuse from Garland (through Forney)	8,979	8,979	8,979	8,979	8,979	8,979
NTMWD treated water (through Forney)	1,033	859	792	746	699	647
Total Current Supplies	10,012	9,838	9,771	9,725	9,678	9,626
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Add'l NTMWD treated water	88	262	329	375	422	474
TRA Reuse	1,000	1,000	1,000	1,000	1,000	1,000
Total Water Management Strategies	1,088	1,262	1,329	1,375	1,422	1,474
Reserve (Shortage)	3,100	3,100	3,100	3,100	3,100	3,100

Table C-193

Keller

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	47,663	51,310	51,310	51,310	51,310	51,310
Projected Water Demand						
Municipal Demand	12,182	12,981	12,906	12,862	12,847	12,846
Total Projected Demand	12,182	12,981	12,906	12,862	12,847	12,846
Currently Available Water Supplies						
Fort Worth (TRWD)	11,595	10,469	8,822	7,917	7,237	6,653
Total Current Supplies	11,595	10,469	8,822	7,917	7,237	6,653
Need (Demand - Current Supply)	587	2,512	4,084	4,945	5,610	6,193
Water Management Strategies						
Water Conservation	223	342	387	429	471	514
Add'l Water from Fort Worth; Expand PS & Pipeline	364	2,170	3,697	4,516	5,139	5,679
Total Water Management Strategies	587	2,512	4,084	4,945	5,610	6,193
Reserve (Shortage)	0	0	0	0	0	0

Table C-194

Kemp

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,734	2,172	2,674	3,252	5,000	7,000
Projected Water Demand						
Municipal Demand	308	376	456	551	845	1,182
Total Projected Demand	308	376	456	551	845	1,182
Currently Available Water Supplies						
West Cedar Creek Municipal Utility District (TRWD)	269	292	315	332	380	394
Total Current Supplies	269	292	315	332	380	394
Need (Demand - Current Supply)	39	84	141	219	465	788
Water Management Strategies						
Water Conservation	11	30	38	48	76	111
Additional Water from WCCMUD	28	54	103	171	389	677
Total Water Management Strategies	39	84	141	219	465	788
Reserve (Shortage)	0	0	0	0	0	0

**Table C-195
Kennedale**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,000	9,200	10,824	11,303	11,626	11,626
Projected Water Demand						
Municipal Demand	1,413	1,588	1,840	1,909	1,961	1,961
Tarrant County Manufacturing	102	118	135	150	162	176
Total Projected Demand	1,515	1,706	1,975	2,059	2,123	2,137
Currently Available Water Supplies						
Trinity Aquifer	1,221	1,221	1,221	1,221	1,221	1,221
Fort Worth (TRWD)	350	438	543	532	516	474
Total Current Supplies	1,571	1,659	1,764	1,753	1,737	1,695
Need (Demand - Current Supply)	0	47	211	306	386	442
Water Management Strategies						
Water Conservation	12	34	46	64	72	78
Additional Fort Worth	6	71	206	268	328	364
<i>Increase delivery infrastructure from Ft Worth</i>	<i>0</i>	<i>0</i>	<i>188</i>	<i>239</i>	<i>283</i>	<i>277</i>
Water from Arlington (TRWD); initial connection	280	280	280	280	280	280
Total Water Management Strategies	298	385	532	612	680	722
Reserve (Shortage)	354	338	321	306	294	280

**Table C-196
Kentucky Town Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,945	3,532	4,111	4,776	6,000	7,500
Projected Water Demand						
Municipal Demand	367	424	482	554	693	865
Total Projected Demand	367	424	482	554	693	865
Currently Available Water Supplies						
Woodbine Aquifer	865	865	865	865	865	865
Total Current Supplies	865	865	865	865	865	865
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	3	5	5	7	12	17
Grayson County Water Supply Project (Sherman WTP)	0	0	95	93	88	83
Total Water Management Strategies	3	5	100	100	100	100
Reserve (Shortage)	501	446	483	411	272	100

**Table C-197
Kerens**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,741	1,919	2,104	2,314	2,534	2,768
Projected Water Demand						
Municipal Demand	206	218	231	252	275	300
Total Projected Demand	206	218	231	252	275	300
Currently Available Water Supplies						
Corsicana	206	141	139	136	130	122
Total Current Supplies	206	141	139	136	130	122
Need (Demand - Current Supply)	0	77	92	116	145	178
Water Management Strategies						
Water Conservation	2	2	2	3	5	6
Additional Water from Corsicana	0	75	90	113	140	172
Total Water Management Strategies	2	77	92	116	145	178
Reserve (Shortage)	2	0	0	0	0	0

**Table C-198
Krugerville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,986	2,437	2,889	3,440	3,440	3,440
Projected Water Demand						
Municipal Demand	263	315	368	435	434	434
Total Projected Demand	263	315	368	435	434	434
Currently Available Water Supplies						
Mustang Special Utility District (UTRWD and Groundwater)	306	288	267	254	230	207
Total Current Supplies	306	288	267	254	230	207
Need (Demand - Current Supply)	0	27	101	181	204	227
Water Management Strategies						
Water Conservation	2	3	4	6	7	9
Additional Water from Mustang SUD	0	24	97	175	197	218
Total Water Management Strategies	2	27	101	181	204	227
Reserve (Shortage)	45	0	0	0	0	0

Table C-199
Krum

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,195	6,453	7,957	9,637	11,603	13,848
Projected Water Demand						
Municipal Demand	1,154	1,414	1,731	2,089	2,512	2,997
Total Projected Demand	1,154	1,414	1,731	2,089	2,512	2,997
Currently Available Water Supplies						
Upper Trinity Regional Water District	707	787	836	861	970	1,035
Trinity Aquifer	448	448	448	448	448	448
Total Current Supplies	1,155	1,235	1,284	1,309	1,418	1,483
Need (Demand - Current Supply)	0	179	447	780	1,094	1,514
Water Management Strategies						
Water Conservation	21	36	52	70	92	120
Additional Water from UTRWD	0	189	485	847	1,183	1,575
Additional Groundwater (new well)	577	707	866	1,025	1,025	1,025
Total Water Management Strategies	598	932	1,402	1,942	2,300	2,720
Reserve (Shortage)	599	753	955	1,162	1,206	1,206

Table C-200
Ladonia

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,600	2,000	2,200	2,500	3,000	3,000
Projected Water Demand						
Municipal Demand	120	144	155	175	210	209
Total Projected Demand	120	144	155	175	210	209
Currently Available Water Supplies						
Trinity Aquifer	120	120	120	120	120	120
Total Current Supplies	120	120	120	120	120	120
Need (Demand - Current Supply)	0	24	35	55	90	89
Water Management Strategies						
Water Conservation	1	2	2	2	4	4
Upper Trinity Regional Water District (Ralph Hall Lake); Connect; WTP	0	34	57	89	134	133
Total Water Management Strategies	1	36	59	91	138	137
Reserve (Shortage)	1	12	24	36	48	48

**Table C-201
Lake Dallas**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,782	8,603	9,933	9,933	9,933	9,933
Projected Water Demand						
Municipal Demand	1,096	1,181	1,339	1,329	1,326	1,326
Total Projected Demand	1,096	1,181	1,339	1,329	1,326	1,326
Currently Available Water Supplies						
Lake Cities Municipal Utility Authority (Groundwater)	182	182	182	182	182	182
Lake Cities Municipal Utility Authority (UTRWD)	913	794	729	591	532	468
Total Current Supplies	1,095	976	910	772	714	650
Need (Demand - Current Supply)	1	205	429	557	612	676
Water Management Strategies						
Water Conservation	9	13	13	18	22	27
Additional Water from Lake Cities MUA	0	210	451	593	663	722
Total Water Management Strategies	9	223	464	611	685	749
Reserve (Shortage)	8	18	36	55	73	73

**Table C-202
Lake Kiowa Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,209	2,247	2,286	2,325	2,363	2,363
Projected Water Demand						
Municipal Demand	786	790	800	813	826	826
Total Projected Demand	786	790	800	813	826	826
Currently Available Water Supplies						
Trinity Aquifer	829	829	829	829	829	829
Total Current Supplies	829	829	829	829	829	829
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	7	9	8	11	14	17
Connect to Gainesville System	0	100	100	100	100	100
Total Water Management Strategies	7	109	108	111	114	117
Reserve (Shortage)	50	148	137	127	117	120

**Table C-203
Lake Worth**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,186	5,831	6,468	7,500	8,800	12,000
Projected Water Demand						
Municipal Demand	1,137	1,248	1,363	1,567	1,836	2,501
Total Projected Demand	1,137	1,248	1,363	1,567	1,836	2,501
Currently Available Water Supplies						
Trinity Aquifer	345	345	345	345	345	345
Fort Worth (TRWD)	754	728	696	752	840	1,117
Total Current Supplies	1,099	1,073	1,041	1,097	1,185	1,462
Need (Demand - Current Supply)	38	175	322	470	651	1,039
Water Management Strategies						
Water Conservation	21	33	41	52	67	100
Additional Water from Fort Worth	17	142	281	418	584	939
Total Water Management Strategies	38	175	322	470	651	1,039
Reserve (Shortage)	0	0	0	0	0	0

**Table C-204
Lakeside**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,350	1,400	1,450	1,500	1,500	1,500
Projected Water Demand						
Municipal Demand	227	230	234	239	239	239
Total Projected Demand	227	230	234	239	239	239
Currently Available Water Supplies						
Trinity Aquifer	262	262	262	262	262	262
Total Current Supplies	262	262	262	262	262	262
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	2	3	4	5
Total Water Management Strategies	2	3	2	3	4	5
Reserve (Shortage)	37	35	30	26	27	28

**Table C-205
Lakewood Village**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	692	870	1,082	1,319	1,597	1,914
Projected Water Demand						
Municipal Demand	83	102	125	151	182	218
Total Projected Demand	83	102	125	151	182	218
Currently Available Water Supplies						
Woodbine Aquifer	218	218	218	218	218	218
Total Current Supplies	218	218	218	218	218	218
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	2	3	4
Upper Trinity Regional Water District	0	0	0	0	49	84
Total Water Management Strategies	1	1	1	2	52	88
Reserve (Shortage)	136	117	94	69	88	88

**Table C-206
Lancaster**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	45,184	58,895	69,717	77,649	85,582	93,514
Projected Water Demand						
Municipal Demand	7,686	9,775	11,429	12,659	13,932	15,216
Wilmer (beginning in 2020)	207	242	300	400	600	800
Total Projected Demand	7,893	10,017	11,729	13,059	14,532	16,016
Currently Available Water Supplies						
Dallas Water Utilities	7,243	8,399	8,781	8,974	9,244	9,621
Rockett Special Utility District (TRWD and Midlothian)	62	50	40	34	27	20
Total Current Supplies	7,305	8,449	8,821	9,008	9,271	9,641
Need (Demand - Current Supply)	588	1,568	2,908	4,051	5,261	6,375
Water Management Strategies						
Water Conservation	145	262	358	439	530	630
Additional DWU	208	1,024	2,200	3,156	4,068	4,875
Additional DWU for Wilmer	207	242	300	400	600	800
Additional Water from Rockett SUD	28	40	50	56	63	70
Total Water Management Strategies	588	1,568	2,908	4,051	5,261	6,375
Reserve (Shortage)	0	0	0	0	0	0

**Table C-207
Lavon**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,500	4,500	6,885	8,891	20,000	45,000
Projected Water Demand						
Municipal Demand	559	711	1,081	1,392	3,125	7,025
Total Projected Demand	559	711	1,081	1,392	3,125	7,025
Currently Available Water Supplies						
North Texas MWD (Thru Lavon SUD)	515	545	763	927	1,950	4,057
Total Current Supplies	515	545	763	927	1,950	4,057
Need (Demand - Current Supply)	44	166	318	465	1,175	2,968
Water Management Strategies						
Water Conservation	10	18	32	19	52	141
Additional Water from NTMWD	34	148	286	446	1,123	2,827
Total Water Management Strategies	44	166	318	465	1,175	2,968
Reserve (Shortage)	0	0	0	0	0	0

**Table C-208
Lavon Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,000	6,200	7,819	10,303	18,000	35,000
Projected Water Demand						
Municipal Demand	590	711	881	1,152	2,007	3,897
Lavon	559	711	1,081	1,392	3,125	7,025
Total Projected Demand	1,149	1,422	1,962	2,544	5,132	10,922
Currently Available Water Supplies						
North Texas Municipal Water District	544	545	622	767	1,252	2,251
NTMWD for Lavon	515	545	763	927	1,950	4,057
Total Current Supplies	1,059	1,090	1,386	1,694	3,202	6,308
Need (Demand - Current Supply)	90	332	576	850	1,930	4,614
Water Management Strategies						
Water Conservation Lavon SUD	5	8	9	15	33	78
Water Conservation Lavon	10	18	32	19	52	141
Add'l Water from NTMWD Lavon SUD	41	158	250	370	722	1,568
Add'l Water from NTMWD Lavon	34	148	286	446	1,123	2,827
Increase delivery infrastructure from NTWMD?						
Total Water Management Strategies	90	332	576	850	1,930	4,614
Reserve (Shortage)	0	0	0	0	0	0

**Table C-209
Leonard**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,213	2,434	2,602	2,757	2,991	3,245
Projected Water Demand						
Municipal Demand	331	352	368	386	417	452
Total Projected Demand	331	352	368	386	417	452
Currently Available Water Supplies						
Woodbine Aquifer	331	331	331	331	331	331
Total Current Supplies	331	331	331	331	331	331
Need (Demand - Current Supply)	0	21	37	55	86	121
Water Management Strategies						
Water Conservation	3	4	4	5	7	9
Fannin Co Water Supply Project (NTMWD)	0	148	194	211	240	273
<i>Water System Improvement needed to take delivery of water from Fannin Co WSP</i>	<i>0</i>	<i>148</i>	<i>194</i>	<i>211</i>	<i>240</i>	<i>273</i>
Total Water Management Strategies	3	152	198	216	247	282
Reserve (Shortage)	3	131	161	161	161	161

**Table C-210
Lewisville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	107,327	121,924	139,368	158,857	177,356	177,356
Projected Water Demand						
Municipal Demand	20,143	22,441	25,330	28,689	31,974	31,970
Customer Demand (Denton Co FWSD1A)	1,207	2,143	2,566	2,565	2,564	2,564
Total Projected Demand	21,350	24,584	27,896	31,254	34,538	34,534
Currently Available Water Supplies						
Dallas Water Utilities (for Lewisville)	19,207	19,442	19,340	19,551	19,718	19,718
Dallas Water Utilities (Denton Co FWSD1A)	1,151	1,857	1,959	1,748	1,581	1,581
Total Current Supplies	20,358	21,299	21,299	21,299	21,299	21,299
Need (Demand - Current Supply)	992	3,285	6,597	9,955	13,239	13,235
Water Management Strategies						
Water Conservation	382	619	799	1,004	1,228	1,334
Water Conservation (DCFWS1A)	67	159	233	259	285	311
Additional Water from DWU with treatment improvements below	543	2,507	5,565	8,692	11,726	11,590
<i>6 MGD WTP Expansion-2030</i>		<i>1,386</i>	<i>3,363</i>	<i>3,363</i>	<i>3,363</i>	<i>3,363</i>
<i>6 MGD WTP Expansion-2040</i>			<i>1,081</i>	<i>3,363</i>	<i>3,363</i>	<i>3,363</i>
<i>7 MGD WTP Expansion-2050</i>				<i>845</i>	<i>3,879</i>	<i>3,743</i>
Total Water Management Strategies	992	3,285	6,597	9,955	13,239	13,235
Reserve (Shortage)	0	0	0	0	0	0

**Table C-211
Lindsay**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,102	1,183	1,245	1,307	2,500	5,000
Projected Water Demand						
Municipal Demand	144	150	154	160	304	605
Total Projected Demand	144	150	154	160	304	605
Currently Available Water Supplies						
Trinity Aquifer	158	158	158	158	158	158
Total Current Supplies	158	158	158	158	158	158
Need (Demand - Current Supply)	0	0	0	2	146	447
Water Management Strategies						
Water Conservation	1	2	2	2	5	12
Connect to Gainesville System	0	0	0	0	141	435
Total Water Management Strategies	1	2	2	2	146	447
Reserve (Shortage)	15	10	6	0	0	0

**Table C-212
Little Elm**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population-Little Elm	29,860	33,821	33,821	33,821	33,821	33,821
Projected Population-Customers	14,390	14,390	14,390	14,390	14,390	14,390
Projected Water Demand						
Municipal Demand	4,108	4,600	4,586	4,574	4,564	4,564
Denton County Other (partial)	1,800	1,800	1,800	1,800	1,800	1,800
Total Projected Demand	5,908	6,400	6,386	6,374	6,364	6,364
Currently Available Water Supplies						
North Texas Municipal Water District	3,785	3,525	3,239	3,045	2,847	2,636
NTWMD for Denton Co Other	1,658	1,379	1,271	1,198	1,123	1,040
Total Current Supplies	5,443	4,904	4,510	4,243	3,970	3,675
Need (Demand - Current Supply)	465	1,496	1,876	2,131	2,394	2,689
Water Management Strategies						
Water Conservation	34	51	46	61	76	91
Water Conservation (customer)	8	9	7	8	9	10
Add'l Water from NTMWD	289	1,024	1,301	1,468	1,641	1,837
Add'l Water from NTMWD for Denton Co Other	134	412	522	594	668	750
Total Water Management Strategies	465	1,496	1,876	2,131	2,394	2,689
Reserve (Shortage)	0	0	0	0	0	0

**Table C-213
Log Cabin**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	777	834	882	946	1,000	1,054
Projected Water Demand						
Municipal Demand	80	82	84	89	93	98
Total Projected Demand	80	82	84	89	93	98
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	98	98	98	98	98	98
Total Current Supplies	98	98	98	98	98	98
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Total Water Management Strategies	1	1	1	1	2	2
Reserve (Shortage)	19	17	15	10	7	2

**Table C-214
Lowry Crossing**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,040	2,446	3,000	3,000	3,000	3,000
Projected Water Demand						
Municipal Demand	222	257	308	306	305	305
Total Projected Demand	222	257	308	306	305	305
Currently Available Water Supplies						
Milligan WSC (NTMWD)	205	197	218	204	190	176
Total Current Supplies	205	197	218	204	190	176
Need (Demand - Current Supply)	17	60	90	102	115	129
Water Management Strategies						
Water Conservation	2	3	3	4	5	6
Additional Water from Milligan WSC	15	57	87	98	110	123
Total Water Management Strategies	17	60	90	102	115	129
Reserve (Shortage)	0	0	0	0	0	0

Table C-215
Lucas

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,200	8,200	10,857	12,131	13,406	13,406
Projected Water Demand						
Municipal Demand	2,132	2,406	3,165	3,528	3,896	3,896
Total Projected Demand	2,132	2,406	3,165	3,528	3,896	3,896
Currently Available Water Supplies						
North Texas Municipal Water District	1,964	1,844	2,235	2,349	2,431	2,250
Total Current Supplies	1,964	1,844	2,235	2,349	2,431	2,250
Need (Demand - Current Supply)	168	562	930	1,179	1,465	1,646
Water Management Strategies						
Water Conservation	82	204	281	325	373	386
Additional Water from NTMWD	86	358	649	854	1,092	1,260
Total Water Management Strategies	168	562	930	1,179	1,465	1,646
Reserve (Shortage)	0	0	0	0	0	0

Table C-216
Luella Special Utility District

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,800	4,380	4,952	5,609	6,306	7,055
Projected Water Demand						
Municipal Demand	400	444	490	548	614	687
Total Projected Demand	400	444	490	548	614	687
Currently Available Water Supplies						
Woodbine Aquifer	687	687	687	687	687	687
Total Current Supplies	687	687	687	687	687	687
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	3	5	5	7	10	14
Grayson County Water Supply Project (Sherman WTP)	0	0	195	193	290	286
Total Water Management Strategies	3	5	200	200	300	300
Reserve (Shortage)	290	248	397	339	373	300

**Table C-217
Mabank**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In-city only)	3,950	4,600	5,250	7,396	11,000	16,000
Projected Water Demand						
Municipal Demand	783	896	1,012	1,417	2,103	3,056
Customer Demand (Henderson, Kaufman, & Van Zandt County Other)	410	483	556	636	710	789
Total Projected Demand	1,193	1,379	1,568	2,053	2,813	3,845
Currently Available Water Supplies						
Tarrant Regional Water District, limited to WTP Capacity	783	805	805	862	908	946
TRWD for Customers, limited to WTP capacity	410	450	457	427	381	343
Total Current Supplies	1,193	1,255	1,261	1,289	1,289	1,289
Need (Demand - Current Supply)	0	124	307	764	1,524	2,556
Water Management Strategies						
Water Conservation	14	23	30	47	77	122
Additional Raw Water Needed from TRWD with treatment as below:	0	101	277	717	1,447	2,434
2 MGD WTP Expansion		67	249	717	1,121	1,121
3 MGD WTP Expansion					326	1,313
Increase delivery infrastructure from Cedar Creek Lake		67	249	717	1,447	2,434
Total Water Management Strategies	14	124	307	764	1,524	2,556
Reserve (Shortage)	14	0	0	0	0	0

**Table C-218
MacBee Special Utility District (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population in Region C	266	333	410	498	601	719
Projected Water Demand in Region C						
Municipal Demand	18	23	28	34	41	49
Total Projected Demand in Region C	18	23	28	34	41	49
Currently Available Water Supplies						
Sabine River Authority (Region D)	18	23	28	34	41	49
Total Current Supplies	18	23	28	34	41	49
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	0	1	1
Total Water Management Strategies	0	0	0	0	1	1
Reserve (Shortage)	0	0	0	0	1	1

Note: Water Management Strategies for MacBee SUD are covered in the Region D plan.

**Table C-219
Malakoff**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,411	2,491	2,557	2,645	2,800	3,000
Projected Water Demand						
Municipal Demand	272	270	268	272	287	307
Henderson Co Manufacturing Demand	6	6	6	6	7	7
Total Projected Demand	278	276	274	278	294	314
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	243	243	243	243	242	242
Carrizo-Wilcox Aquifer for Manufacturing	6	6	6	6	7	7
Tarrant Regional Water District	29	25	20	21	29	37
Total Current Supplies	278	274	269	270	278	286
Need (Demand - Current Supply)	0	2	5	8	16	28
Water Management Strategies						
Water Conservation	2	3	3	4	5	6
Add'l Tarrant Regional WD	0	0	2	4	11	22
Total Water Management Strategies	2	3	5	8	16	28
Reserve (Shortage)	2	1	0	0	0	0

**Table C-220
Mansfield (Regions C and G)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	72,000	85,000	102,988	135,573	157,000	180,000
Projected Water Demand						
Municipal Demand	19,728	23,075	27,815	36,508	42,240	48,412
Manufacturing and Customer Demand	17,224	17,288	17,353	17,413	17,464	17,519
Total Projected Demand	36,952	40,363	45,168	53,921	59,704	65,931
Currently Available Water Supplies						
Tarrant Regional Water District (Limited by Treatment Plant Capacity)	25,223	25,223	25,223	25,223	25,223	25,223
Total Current Supplies	25,223	25,223	25,223	25,223	25,223	25,223
Need (Demand - Current Supply)	11,730	15,141	19,946	28,699	34,482	40,709
Water Management Strategies						
Water Conservation (retail)	348	573	794	1,161	1,473	1,838
Water Conservation (wholesale)	127	183	84	114	139	166
Currently available TRWD supply previous unused due to WTP Capacity limit	11,730	11,513	11,112	13,104	12,629	12,086
Additional Raw Water from TRWD	0	2,871	7,956	14,320	20,240	26,619
Infrastructure to treat TRWD water above:						
15 MGD WTP Expansion	8,408	8,408	8,408	8,408	8,408	8,408
20 MGD WTP Expansion-1	3,322	5,977	10,660	11,210	11,210	11,210
20 MGD WTP Expansion-2				7,806	11,210	11,210
16 MGD WTP Expansion					2,042	7,877
Total Water Management Strategies	12,205	15,141	19,946	28,699	34,482	40,709
Reserve (Shortage)	475	0	0	0	0	0

Note: See Appendix H for details on customer demands.

**Table C-221
Marilee Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,410	6,410	6,298	6,298	6,201	6,201
Projected Water Demand						
Municipal Demand	946	931	904	901	886	885
Total Projected Demand	946	931	904	901	886	885
Currently Available Water Supplies						
Trinity Aquifer	946	946	946	946	946	946
Sherman	246	233	209	181	141	98
Total Current Supplies	1,192	1,179	1,155	1,127	1,087	1,044
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	8	11	9	12	15	18
Additional Water from Sherman (Grayson Co WSP)	0	6	32	57	94	134
Total Water Management Strategies	8	17	41	69	109	152
Reserve (Shortage)	254	265	292	295	310	311

**Table C-222
Maypearl**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,128	1,359	1,500	1,500	1,500	1,500
Projected Water Demand						
Municipal Demand	117	135	145	143	143	143
Total Projected Demand	117	135	145	143	143	143
Currently Available Water Supplies						
Trinity Aquifer	55	55	55	55	55	55
Woodbine Aquifer	100	100	100	100	100	100
Total Current Supplies	155	155	155	155	155	155
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	2	2	3
Connect to Waxahachie	116	134	144	141	141	140
Total Water Management Strategies	117	135	145	143	143	143
Reserve (Shortage)	155	155	155	155	155	155

**Table C-223
McKinney**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	156,924	188,628	274,566	358,000	358,000	358,000
Projected Water Demand						
Municipal Demand	34,365	40,877	59,112	76,866	76,818	76,814
Municipal Customer Demand*	717	735	758	784	817	854
Manufacturing Demand (15% Collin Co)	518	583	648	706	766	832
Total Projected Demand	35,600	42,195	60,518	78,356	78,401	78,500
Currently Available Water Supplies						
North Texas Municipal Water District	31,661	31,322	41,748	51,171	47,927	44,361
NTMWD (for Customers)	661	563	535	522	510	493
NTMWD (for Manufacturing)	478	447	458	470	478	481
Total Current Supplies	32,800	32,332	42,742	52,164	48,915	45,335
Need (Demand - Current Supply)	2,801	9,864	17,776	26,192	29,487	33,165
Water Management Strategies						
Water Conservation	755	1,470	2,364	3,327	3,581	3,837
Water Conservation (customers)	18	23	26	29	32	35
Water Conservation (Manufacturing)	0	1	14	20	22	24
Add'l Water from NTMWD	1,949	8,085	15,000	22,368	25,310	28,616
Add'l Water from NTMWD for customers	38	149	197	233	275	326
Add'l Water from NTMWD for Manf	40	135	176	216	266	327
Total Water Management Strategies	2,801	9,864	17,776	26,192	29,487	33,165
Reserve (Shortage)	0	0	0	0	0	0

* Customer demand includes: 20% of North Collin WSC, and 561 ac-ft/yr for Melissa.

**Table C-224
McLendon-Chisholm**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,739	2,188	2,698	3,215	3,792	4,403
Projected Water Demand						
Municipal Demand	330	406	495	587	691	802
Total Projected Demand	330	406	495	587	691	802
Currently Available Water Supplies						
North Texas Municipal Water District (through High Point WSC and RCH WSC)	304	311	350	391	431	463
Total Current Supplies	304	311	350	391	431	463
Need (Demand - Current Supply)	26	95	145	196	260	339
Water Management Strategies						
Water Conservation	6	10	15	20	25	32
Additional Water from NTMWD	20	85	130	176	235	307
Total Water Management Strategies	26	95	145	196	260	339
Reserve (Shortage)	0	0	0	0	0	0

**Table C-225
Melissa**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,978	9,790	13,216	30,000	50,000	75,000
Projected Water Demand						
Municipal Demand	1,535	2,133	2,869	6,493	10,814	16,216
Total Projected Demand	1,535	2,133	2,869	6,493	10,814	16,216
Currently Available Water Supplies						
Woodbine Aquifer	201	201	201	201	201	201
North Texas Municipal Water District (through McKinney)	517	430	396	373	350	324
North Texas Municipal Water District (GTUA Collin-Grayson Municipal Alliance Pipeline)	712	1,051	1,488	3,815	6,271	8,925
Total Current Supplies	1,430	1,681	2,085	4,390	6,822	9,450
Need (Demand - Current Supply)	105	452	784	2,103	3,992	6,766
Water Management Strategies						
Water Conservation	47	81	122	298	532	852
Additional Water from NTMWD (thru McKinney)	44	131	165	188	211	237
Additional Water from NTMWD (GTUA CGMA Pipeline)	14	239	497	1,618	3,249	5,677
Total Water Management Strategies	105	452	784	2,103	3,992	6,766
Reserve (Shortage)	0	0	0	0	0	0

**Table C-226
M-E-N Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,346	3,689	4,044	4,448	4,870	5,321
Projected Water Demand						
Municipal Demand	472	508	548	597	652	712
Total Projected Demand	472	508	548	597	652	712
Currently Available Water Supplies						
Corsicana	472	329	329	321	307	290
Total Current Supplies	472	329	329	321	307	290
Need (Demand - Current Supply)	0	179	219	276	345	422
Water Management Strategies						
Water Conservation	4	6	5	8	11	14
Additional Water from Corsicana	0	173	214	268	334	408
<i>Increase delivery infrastructure from Corsicana (Upsize Lake Halbert connection)</i>	<i>0</i>	<i>173</i>	<i>214</i>	<i>268</i>	<i>334</i>	<i>408</i>
Total Water Management Strategies	4	179	219	276	345	422
Reserve (Shortage)	4	0	0	0	0	0

**Table C-227
Mesquite**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	150,000	165,000	186,335	203,166	219,576	236,034
Projected Water Demand						
Municipal Demand	22,344	23,858	26,361	28,441	30,667	32,947
Dallas County Manufacturing	378	412	442	467	470	473
Kaufman County Other	22	31	169	441	666	1,011
Total Projected Demand	22,744	24,301	26,972	29,349	31,803	34,431
Currently Available Water Supplies						
North Texas Municipal Water District	20,585	18,281	18,618	18,934	19,133	19,028
NTMWD for manufacturing	348	315	312	311	293	273
NTMWD for Kaufman County Other	19	22	102	232	367	521
Total Current Supplies	20,952	18,618	19,032	19,477	19,793	19,822
Need (Demand - Current Supply)	1,792	5,683	7,940	9,872	12,010	14,609
Water Management Strategies						
Water Conservation	186	271	264	379	511	659
Water Conservation (manufacturing)	0	1	9	13	14	14
Add'l Water from NTMWD	1,573	5,306	7,479	9,128	11,023	13,260
Add'l Water from NTMWD for Manf	30	96	121	143	163	186
Add'l Water from NTMWD for Kaufman Co Other	3	9	67	209	299	490
Total Water Management Strategies	1,792	5,683	7,940	9,872	12,010	14,609
Reserve (Shortage)	0	0	0	0	0	0

**Table C-228
Midlothian**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	18,025	23,643	31,011	37,802	43,871	48,460
Projected Water Demand						
Municipal Demand	4,198	5,429	7,069	8,589	9,956	10,995
Manufacturing and Customer Demand	8,055	8,591	9,213	9,943	10,792	11,770
Total Projected Demand	12,253	14,020	16,282	18,532	20,748	22,765
Currently Available Water Supplies						
Joe Pool Lake (TRA)	5,833	5,712	5,591	5,470	5,349	5,229
TRA (TRWD Sources), limited to WTP Capacity for TRWD supply	4,870	5,045	5,045	5,045	5,045	5,045
Total Current Supplies	10,703	10,757	10,636	10,515	10,394	10,274
Need (Demand - Current Supply)	1,550	3,263	5,646	8,017	10,354	12,491
Water Management Strategies						
Water Conservation (Midlothian)	96	192	285	378	473	560
Water Conservation (customers)	95	93	113	286	644	802
Additional TRA/TRWD with WTP Expansions as below:	1,359	2,978	5,248	7,353	9,237	11,129
Existing WTP capacity	175	0	0	0	0	0
6 MGD WTP Expansion-1	1,184	2,978	3,363	3,363	3,363	3,363
6 MGD WTP Expansion-2			1,885	3,363	3,363	3,363
6 MGD WTP Expansion-3					2,511	3,363
Total Water Management Strategies	1,550	3,263	5,646	8,017	10,354	12,491
Reserve (Shortage)	0	0	0	0	0	0

Note: See Appendix H for details on customer demands.

**Table C-229
Milford**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	775	835	905	987	1,083	1,195
Projected Water Demand						
Municipal Demand	66	67	69	74	80	89
Total Projected Demand	66	67	69	74	80	89
Currently Available Water Supplies						
Woodbine Aquifer	32	32	32	32	32	32
Files Valley Water Supply Corporation (BRA/Aquilla WSC in Region G)	84	84	84	84	84	84
Total Current Supplies	116	116	116	116	116	116
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	1	2
Total Water Management Strategies	1	1	1	1	1	2
Reserve (Shortage)	51	50	48	43	37	29

**Table C-230
Mineral Wells (Region C Only*)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population in Region C	2,119	2,089	2,055	2,015	1,969	1,915
Projected Water Demand in Region C						
Municipal Demand	346	332	320	310	302	294
Total Projected Demand in Region C	346	332	320	310	302	294
Currently Available Water Supplies						
Palo Pinto County WCID # 1 (Lake Palo Pinto)	346	332	320	310	302	294
Total Current Supplies	346	332	320	310	302	294
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	6	9	3	4	5	6
Total Water Management Strategies	6	9	3	4	5	6
Reserve (Shortage)	6	9	3	4	5	6

*The Region C portion is only that population in Parker County. Additional population for Mineral Wells is located in Region G (Palo Pinto County).

Table C-231
Mount Zion Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,985	2,497	3,080	3,669	4,327	5,025
Projected Water Demand						
Municipal Demand	395	485	589	698	822	954
Total Projected Demand	395	485	589	698	822	954
Currently Available Water Supplies						
North Texas Municipal WD (thru Rockwall)	364	372	416	465	513	551
Total Current Supplies	364	372	416	465	513	551
Need (Demand - Current Supply)	31	113	173	233	309	403
Water Management Strategies						
Water Conservation	7	12	18	23	30	38
Add'l Water from NTMWD thru Rockwall	24	101	155	210	279	365
Total Water Management Strategies	31	113	173	233	309	403
Reserve (Shortage)	0	0	0	0	0	0

Table C-232
Mountain Peak Special Utility District (Region C Only)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,272	9,183	11,355	13,866	16,782	20,116
Projected Water Demand						
Municipal Demand	1,671	2,109	2,627	3,240	3,971	4,820
Total Projected Demand	1,671	2,109	2,627	3,240	3,971	4,820
Currently Available Water Supplies						
Trinity Aquifer	1,257	1,257	1,257	1,257	1,257	1,257
Midlothian	392	661	845	1,009	1,173	1,347
Total Current Supplies	1,649	1,918	2,102	2,266	2,430	2,604
Need (Demand - Current Supply)	22	191	525	974	1,541	2,216
Water Management Strategies						
Water Conservation	14	22	26	191	551	709
Additional Water from Midlothian	8	169	499	783	990	1,507
Woodbine Aquifer (new wells)	7	7	7	7	7	7
Total Water Management Strategies	29	198	532	981	1,548	2,223
Reserve (Shortage)	7	7	7	7	7	7

Table C-233
Mountain Spring Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,709	2,909	3,066	3,221	5,084	8,094
Projected Water Demand						
Municipal Demand	456	480	499	520	816	1,296
Total Projected Demand	456	480	499	520	816	1,296
Currently Available Water Supplies						
Trinity Aquifer	520	520	520	520	520	520
Total Current Supplies	520	520	520	520	520	520
Need (Demand - Current Supply)	0	0	0	0	296	776
Water Management Strategies						
Water Conservation	4	5	5	7	14	26
Connect to Gainesville	0	0	0	0	282	750
Total Water Management Strategies	4	5	5	7	296	776
Reserve (Shortage)	68	45	26	7	0	0

Table C-234
Muenster

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,550	1,550	1,600	1,600	1,650	1,650
Projected Water Demand						
Municipal Demand	266	259	261	258	265	265
Total Projected Demand	266	259	261	258	265	265
Currently Available Water Supplies						
Trinity Aquifer	283	283	283	283	283	283
Total Current Supplies	283	283	283	283	283	283
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	5	7	10	11
New 0.5 MGD WTP at Muenster Lake	280	280	280	280	280	280
Total Water Management Strategies	282	283	285	287	290	291
Reserve (Shortage)	299	307	307	312	308	309
Alternate Water Management Strategy						
Connect to Gainesville	280	280	280	280	280	280

**Table C-235
Murphy**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	23,000	23,000	23,000	23,000	23,000	23,000
Projected Water Demand						
Municipal Demand	5,285	5,253	5,238	5,228	5,222	5,220
Total Projected Demand	5,285	5,253	5,238	5,228	5,222	5,220
Currently Available Water Supplies						
North Texas Municipal Water District	4,869	4,025	3,699	3,480	3,258	3,015
Total Current Supplies	4,869	4,025	3,699	3,480	3,258	3,015
Need (Demand - Current Supply)	416	1,228	1,539	1,748	1,964	2,205
Water Management Strategies						
Water Conservation	124	194	210	227	245	262
Additional Water from NTMWD	292	1,034	1,329	1,521	1,719	1,943
Total Water Management Strategies	416	1,228	1,539	1,748	1,964	2,205
Reserve (Shortage)	0	0	0	0	0	0

**Table C-236
Mustang Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population						
Outside of Cities	12,500	23,946	35,392	46,838	58,284	69,730
Customer Population	31,631	48,367	50,454	51,299	52,206	50,926
Total Population Served	44,131	72,313	85,846	98,137	110,490	120,656
Projected Water Demand						
Outside of Cities	1,875	3,527	5,190	6,856	8,526	10,196
Customer Demands	5,307	8,627	9,364	9,981	10,530	10,527
Total Projected Demand	7,182	12,154	14,554	16,837	19,056	20,723
Currently Available Water Supplies						
Trinity Aquifer	1,104	1,104	1,104	1,104	1,104	1,104
Woodbine Aquifer	71	71	71	71	71	71
Upper Trinity Regional Water District	6,007	8,626	8,290	7,760	7,928	7,587
Total Current Supplies	7,182	9,801	9,465	8,935	9,103	8,762
Need (Demand - Current Supply)	0	2,353	5,089	7,902	9,953	11,961
Water Management Strategies						
Water Conservation	16	33	52	91	142	204
Water Conservation (customers)	25	86	111	135	164	185
Additional Water from UTRWD	0	2,351	5,159	8,031	10,117	12,042
<i>Infrastructure to deliver to customers</i>	<i>0</i>	<i>2,351</i>	<i>5,159</i>	<i>8,031</i>	<i>10,117</i>	<i>12,042</i>
Total Water Management Strategies	41	2,470	5,322	8,257	10,423	12,431
Reserve (Shortage)	41	117	233	355	470	470

**Table C-237
Navarro County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	58	58	58	58	58	58
Currently Available Water Supplies						
Local Supplies	226	226	226	226	226	226
Total Current Supplies	226	226	226	226	226	226
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	2	4	5	5	6
Total Water Management Strategies	0	2	4	5	5	6
Reserve (Shortage)	168	170	172	173	173	174

Table C-238
Navarro County Livestock

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,544	1,544	1,544	1,544	1,544	1,544
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	9	9	9	9	9	9
Livestock Local Supply	1,603	1,603	1,603	1,603	1,603	1,603
Nacatoch Aquifer	10	10	10	10	10	10
Total Current Supplies	1,622	1,622	1,622	1,622	1,622	1,622
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	78	78	78	78	78	78

Table C-239
Navarro County Manufacturing

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,114	1,249	1,384	1,519	1,654	1,789
Currently Available Water Supplies						
Corsicana	1,109	806	827	814	777	727
Navarro County Other (Winkler WSC)	5	5	4	4	3	3
Total Current Supplies	1,114	811	831	818	780	730
Need (Demand - Current Supply)	0	438	553	701	874	1,059
Water Management Strategies						
Additional water from Corsicana	0	438	552	700	872	1,057
Additional water from TRWD	0	0	1	1	2	2
Total Water Management Strategies	0	438	553	701	874	1,059
Reserve (Shortage)	0	0	0	0	0	0

**Table C-240
Navarro County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	883	1,071	1,282	1,572	1,806	2,076
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	6	6	6	6	6	6
Trinity Aquifer	1,100	1,100	1,100	1,100	1,100	1,100
Nacatoch Aquifer	970	970	970	970	970	970
Total Current Supplies	2,076	2,076	2,076	2,076	2,076	2,076
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	1,193	1,005	794	504	270	0

**Table C-241
Navarro County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,475	5,475	5,475	10,000	20,000	35,000
Projected Water Demand						
Municipal Demand	623	606	593	1,061	2,110	3,685
Total Projected Water Demand	623	606	593	1,061	2,110	3,685
Currently Available Water Supplies						
Trinity Aquifer	200	200	200	200	200	200
Corsicana	374	236	214	343	597	900
Tarrant Regional Water District	54	43	34	163	411	560
Total Current Supplies	628	479	448	706	1,208	1,660
Need (Demand - Current Supply)	0	127	145	355	902	2,025
Water Management Strategies						
Water Conservation	5	7	6	14	35	74
Additional Water from Corsicana	0	124	138	286	648	1,267
Additional Water from TRWD	0	1	6	60	224	689
Total Water Management Strategies	5	132	150	360	907	2,030
Reserve (Shortage)	10	5	5	5	5	5

Table C-242
Navarro County Steam Electric Power

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	8,000	13,440	13,440	13,440	13,440	13,440
Currently Available Water Supplies						
None	0	0	0	0	0	0
Total Current Supplies	0	0	0	0	0	0
Need (Demand - Current Supply)	8,000	13,440	13,440	13,440	13,440	13,440
Water Management Strategies						
TRWD	8,000	8,000	8,000	8,000	8,000	8,000
Corsicana	0	5,440	5,440	5,440	5,440	5,440
Total Water Management Strategies	8,000	13,440	13,440	13,440	13,440	13,440
Reserve (Shortage)	0	0	0	0	0	0

Table C-243
Navarro Mills Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,308	3,648	3,999	4,398	4,816	5,261
Projected Water Demand						
Municipal Demand	352	373	398	431	470	513
Total Projected Demand	352	373	398	431	470	513
Currently Available Water Supplies						
Corsicana	352	242	239	232	222	209
Woodbine Aquifer	205	205	205	205	205	205
Total Current Supplies	557	447	444	437	427	414
Need (Demand - Current Supply)	0	0	0	0	43	99
Water Management Strategies						
Water Conservation	3	4	4	6	8	10
Additional Water from Corsicana	0	127	155	193	240	294
Future New well in Woodbine Aquifer				79	79	79
Total Water Management Strategies	3	131	159	278	327	383
Reserve (Shortage)	208	205	205	284	284	284

**Table C-244
Nevada**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	999	1,217	1,483	6,000	15,000	27,000
Projected Water Demand						
Municipal Demand	96	112	133	528	1,316	2,368
Total Projected Demand	96	112	133	528	1,316	2,368
Currently Available Water Supplies						
Nevada WSC (NTMWD)	88	86	94	352	821	1,368
Total Current Supplies	88	86	94	352	821	1,368
Need (Demand - Current Supply)	8	26	39	176	495	1,000
Water Management Strategies						
Water Conservation	1	1	1	7	22	47
Additional Water from Nevada WSC	7	25	38	169	473	953
Total Water Management Strategies	8	26	39	176	495	1,000
Reserve (Shortage)	0	0	0	0	0	0

**Table C-245
New Fairview**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,597	1,983	2,379	2,900	3,400	4,000
Projected Water Demand						
Municipal Demand	163	199	236	286	334	392
Total Projected Demand	163	199	236	286	334	392
Currently Available Water Supplies						
Trinity Aquifer	163	163	163	163	163	163
Total Current Supplies	163	163	163	163	163	163
Need (Demand - Current Supply)	0	36	73	123	171	229
Water Management Strategies						
Water Conservation	1	2	2	4	6	8
Connect to Rhome (from Walnut Ck. SUD from TRWD)	0	34	71	119	165	221
Total Water Management Strategies	1	36	73	123	171	229
Reserve (Shortage)	1	0	0	0	0	0

**Table C-246
New Hope**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	770	962	1,195	1,445	1,741	2,077
Projected Water Demand						
Municipal Demand	119	143	174	209	251	299
Total Projected Demand	119	143	174	209	251	299
Currently Available Water Supplies						
North Texas MWD (thru N. Collin WSC)	110	110	123	139	157	173
Total Current Supplies	110	110	123	139	157	173
Need (Demand - Current Supply)	9	33	51	70	94	126
Water Management Strategies						
Water Conservation	1	2	2	3	4	6
Additional Water from NTMWD	8	31	49	67	90	120
Total Water Management Strategies	9	33	51	70	94	126
Reserve (Shortage)	0	0	0	0	0	0

**Table C-247
Newark**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,772	2,339	3,302	4,458	6,216	8,300
Projected Water Demand						
Municipal Demand	195	249	345	462	643	858
Total Projected Demand	195	249	345	462	643	858
Currently Available Water Supplies						
Trinity Aquifer	195	195	195	195	195	195
Total Current Supplies	195	195	195	195	195	195
Need (Demand - Current Supply)	0	54	150	267	448	663
Water Management Strategies						
Water Conservation	2	3	3	6	11	17
Connect to Rhome (from Walnut Ck. SUD from TRWD)	0	51	147	261	437	646
Total Water Management Strategies	2	54	150	267	448	663
Reserve (Shortage)	2	0	0	0	0	0

**Table C-248
North Collin Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,319	6,086	7,020	8,019	9,202	10,544
Projected Water Demand						
Municipal Demand	782	871	987	1,117	1,279	1,464
Customer Demand (New Hope)	119	143	174	209	251	299
Total Projected Demand	901	1,014	1,161	1,326	1,530	1,763
Currently Available Water Supplies						
North Texas MWD (part thru McKinney)	720	667	697	744	798	845
North Texas MWD (for New Hope)	110	110	123	139	157	173
Total Current Supplies	830	777	820	883	955	1,018
Need (Demand - Current Supply)	71	237	341	443	575	745
Water Management Strategies						
Water Conservation	7	10	10	15	21	29
Water Conservation (New Hope)	1	2	2	3	4	6
Add'l Water from NTMWD	55	194	280	358	460	590
Add'l Water from NTMWD for New Hope	8	31	49	67	90	120
Total Water Management Strategies	71	237	341	443	575	745
Reserve (Shortage)	0	0	0	0	0	0

**Table C-249
North Hunt Special Utility District (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population in Region C	525	577	617	653	709	769
Projected Water Demand in Region C						
Municipal Demand	36	39	42	44	48	52
Total Projected Demand in Region C	36	39	42	44	48	52
Currently Available Water Supplies						
Woodbine Aquifer	52	52	52	52	52	52
Total Current Supplies	52	52	52	52	52	52
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	0	0	0	1	1	1
Total Water Management Strategies	0	0	0	1	1	1
Reserve (Shortage)	16	13	10	9	5	1

**Table C-250
North Richland Hills**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	71,655	77,000	77,000	77,000	77,000	77,000
Projected Water Demand						
Municipal Demand	12,733	13,375	13,172	13,059	13,036	13,034
Customer Demand (Watauga)	2,899	2,794	2,707	2,659	2,650	2,650
Total Projected Demand	15,632	16,169	15,879	15,718	15,686	15,684
Currently Available Water Supplies						
Trinity River Authority (TRWD)	4,244	4,058	3,532	3,094	2,755	2,459
Fort Worth (TRWD)	6,053	6,053	6,053	6,053	6,053	5,872
Total Current Supplies	10,298	10,111	9,585	9,147	8,808	8,331
Need (Demand - Current Supply)	5,334	6,058	6,294	6,571	6,878	7,353
Water Management Strategies						
Water Conservation	233	353	395	435	478	521
Water Conservation customer (Watauga)	24	33	27	35	44	53
Additional Water from TRA	0	283	727	1,114	1,431	1,712
Additional Water from Fort Worth	5,077	5,389	5,145	4,987	4,924	5,067
<i>Increase delivery infrastructure from Fort Worth</i>	<i>5,077</i>	<i>5,389</i>	<i>5,145</i>	<i>4,987</i>	<i>4,924</i>	<i>5,067</i>
Total Water Management Strategies	5,334	6,058	6,294	6,571	6,878	7,353
Reserve (Shortage)	0	0	0	0	0	0

See Appendix H for details on demands.

**Table C-251
Northlake**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,500	17,000	31,010	43,005	55,000	55,000
Projected Water Demand						
Municipal Demand	911	3,402	6,198	8,591	10,986	10,986
Denton Co Manufacturing Demand	14	16	18	20	22	24
Total Projected Demand	925	3,418	6,216	8,611	11,008	11,010
Currently Available Water Supplies						
Woodbine Aquifer	170	170	170	170	170	170
Fort Worth (TRWD)	155	573	906	1,141	1,341	1,233
Fort Worth (TRWD) (for Manufacturing)	14	15	14	14	14	14
Upper Trinity Regional Water District	578	1,960	2,864	3,182	3,644	3,197
Total Current Supplies	917	2,717	3,954	4,507	5,169	4,614
Need (Demand - Current Supply)	8	701	2,262	4,104	5,839	6,396
Water Management Strategies						
Water Conservation	17	78	186	286	403	439
Additional Water from Fort Worth	5	122	380	650	952	1,052
Add'l Water from Fort Worth (for Manf)	0	1	4	5	7	9
Upper Trinity Regional Water District	0	503	1,697	3,167	4,482	4,901
Total Water Management Strategies	22	704	2,267	4,108	5,844	6,402
Reserve (Shortage)	14	4	5	5	5	6

Table C-252
Oak Grove

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	800	1,000	1,200	1,850	2,500	5,000
Projected Water Demand						
Municipal Demand	75	88	103	157	212	422
Total Projected Demand	75	88	103	157	212	422
Currently Available Water Supplies						
NTMWD	69	67	73	105	132	244
Total Current Supplies	69	67	73	105	132	244
Need (Demand - Current Supply)	6	21	30	52	80	178
Water Management Strategies						
Water Conservation	1	1	1	2	4	8
Additional NTMWD	5	20	29	50	76	170
Increase delivery infrastructure from NTWMD?						
Total Water Management Strategies	6	21	30	52	80	178
Reserve (Shortage)	0	0	0	0	0	0

Table C-253
Oak Leaf

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,350	1,500	1,750	2,500	3,700	4,500
Projected Water Demand						
Municipal Demand	155	165	186	262	385	468
Total Projected Demand	155	165	186	262	385	468
Currently Available Water Supplies						
Glenn Heights (DWU)	95	95	101	148	220	263
Rockett Special Utility District (TRWD and Midlothian)	39	30	25	21	16	13
Total Current Supplies	134	125	126	169	236	276
Need (Demand - Current Supply)	21	40	60	93	149	192
Water Management Strategies						
Water Conservation	1	2	2	3	6	9
Additional Water from Glenn Heights	4	13	28	56	104	141
Additional Water from Rockett SUD	16	25	30	34	39	42
Total Water Management Strategies	21	40	60	93	149	192
Reserve (Shortage)	0	0	0	0	0	0

**Table C-254
Oak Point**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,305	12,586	16,868	21,149	25,430	25,430
Projected Water Demand						
Municipal Demand	1,053	1,572	2,097	2,624	3,153	3,152
Total Projected Demand	1,053	1,572	2,097	2,624	3,153	3,152
Currently Available Water Supplies						
Mustang SUD (Groundwater)	789	1,037	1,148	1,182	1,294	1,135
Mustang SUD (UTRWD)	129	129	129	129	129	129
Trinity Aquifer	264	264	264	264	264	264
Total Current Supplies	1,182	1,430	1,541	1,575	1,687	1,528
Need (Demand - Current Supply)	0	142	556	1,049	1,466	1,624
Water Management Strategies						
Water Conservation	9	16	21	35	53	63
Additional Water from Mustang SUD	0	152	587	1,094	1,519	1,667
Total Water Management Strategies	9	168	608	1,129	1,572	1,730
Reserve (Shortage)	138	26	52	80	106	106

**Table C-255
Oakwood (Region C Only)**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	40	43	45	47	48	49
Projected Water Demand						
Municipal Demand	7	7	7	7	7	8
Total Projected Demand	7	7	7	7	7	8
Currently Available Water Supplies	7	7	7	7	7	8
Total Current Supplies	7	7	7	7	7	8
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-256
Ovilla**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,525	5,791	7,249	8,946	10,917	20,000
Projected Water Demand						
Municipal Demand	1,080	1,357	1,682	2,067	2,519	4,610
Total Projected Demand	1,080	1,357	1,682	2,067	2,519	4,610
Currently Available Water Supplies						
Dallas Water Utilities	1,030	1,177	1,303	1,476	1,682	2,932
Total Current Supplies	1,030	1,177	1,303	1,476	1,682	2,932
Need (Demand - Current Supply)	50	180	379	591	837	1,678
Water Management Strategies						
Water Conservation	20	35	50	69	92	184
Additional Water from DWU	30	145	329	522	745	1,494
<i>Increase delivery infrastructure from DWU</i>	0	0	0	0	0	1,494
Total Water Management Strategies	50	180	379	591	837	1,678
Reserve (Shortage)	0	0	0	0	0	0

**Table C-257
Palmer**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,562	3,276	4,109	5,086	6,500	12,000
Projected Water Demand						
Municipal Demand	289	353	432	529	675	1,242
Total Projected Demand	289	353	432	529	675	1,242
Currently Available Water Supplies						
Rockett Special Utility District (TRWD & Midlothian)	201	198	194	201	205	277
Woodbine Aquifer	24	24	24	24	24	24
Total Current Supplies	225	222	218	225	229	301
Need (Demand - Current Supply)	64	131	214	304	446	941
Water Management Strategies						
Water Conservation	2	4	4	7	11	25
Additional Water from Rockett SUD	86	151	234	321	459	940
<i>Increase delivery infrastructure from Rockett SUD</i>	10	72	151	245	387	940
Total Water Management Strategies	88	155	238	328	470	965
Reserve (Shortage)	24	24	24	24	24	24

**Table C-258
Paloma Creek**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	12,348	16,839	16,839	16,839	16,839	16,839
Projected Water Demand						
Municipal Demand	2,562	3,472	3,470	3,468	3,465	3,464
Total Projected Demand	2,562	3,472	3,470	3,468	3,465	3,464
Currently Available Water Supplies						
Mustang SUD (UTRWD)	2,562	2,699	2,113	1,680	1,497	1,313
Mustang SUD (Groundwater)	419	419	419	419	419	419
Total Current Supplies	2,981	3,118	2,532	2,099	1,916	1,732
Need (Demand - Current Supply)	0	354	938	1,369	1,549	1,732
Water Management Strategies						
Water Conservation	47	88	104	116	127	139
Additional Water from Mustang SUD	0	266	834	1,253	1,422	1,593
Total Water Management Strategies	47	354	938	1,369	1,549	1,732
Reserve (Shortage)	466	0	0	0	0	0

**Table C-259
Pantego**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,400	2,400	2,400	2,400	2,400	2,400
Projected Water Demand						
Municipal Demand	621	610	601	596	595	595
Total Projected Demand	621	610	601	596	595	595
Currently Available Water Supplies						
Trinity Aquifer	732	732	732	732	732	732
Total Current Supplies	732	732	732	732	732	732
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	5	7	6	8	10	12
Fort Worth (TRWD), Initial connection	0	27	27	26	25	24
Arlington (TRWD), Initial connection	0	27	27	26	25	24
Total Water Management Strategies	5	61	60	60	60	60
Reserve (Shortage)	116	183	191	196	197	197

**Table C-260
Parker**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,000	16,000	20,000	20,000	20,000	20,000
Projected Water Demand						
Municipal Demand	2,561	6,772	8,454	8,450	8,449	8,449
Total Projected Demand	2,561	6,772	8,454	8,450	8,449	8,449
Currently Available Water Supplies						
North Texas Municipal Water District	2,359	2,803	2,803	2,803	2,803	2,803
Total Current Supplies	2,359	2,803	2,803	2,803	2,803	2,803
Need (Demand - Current Supply)	202	3,970	5,652	5,648	5,647	5,647
Water Management Strategies						
Water Conservation	47	160	254	282	310	338
Additional Water from NTMWD	155	3,810	5,398	5,366	5,337	5,309
<i>Increase delivery infrastructure from NTMWD</i>	<i>0</i>	<i>3,810</i>	<i>5,398</i>	<i>5,366</i>	<i>5,337</i>	<i>5,309</i>
Total Water Management Strategies	202	3,970	5,652	5,648	5,647	5,647
Reserve (Shortage)	0	0	0	0	0	0

**Table C-261
Parker County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	490	490	490	490	490	490
Currently Available Water Supplies						
Local Supplies	239	239	239	239	239	239
Direct Reuse	97	97	97	97	97	97
Trinity Aquifer	246	246	246	246	246	246
Weatherford	13	13	13	13	13	13
Total Current Supplies	595	595	595	595	595	595
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None	0	0	0	0	0	0
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	105	105	105	105	105	105

**Table C-262
Parker County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,544	1,544	1,544	1,544	1,544	1,544
Currently Available Water Supplies						
Trinity Aquifer	229	229	229	229	229	229
Local Supplies	1,922	1,922	1,922	1,922	1,922	1,922
Total Current Supplies	2,151	2,151	2,151	2,151	2,151	2,151
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	607	607	607	607	607	607

**Table C-263
Parker County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	638	729	821	912	1,004	1,095
Currently Available Water Supplies						
Trinity Aquifer	84	84	84	84	84	84
Mineral Wells (Palo Pinto Co. WCID)	25	25	25	25	25	25
Weatherford (Lake Weatherford)	244	241	234	169	123	93
Weatherford (TRWD)	529	564	573	495	328	327
Walnut Creek SUD (TRWD sources)	96	99	99	97	85	71
Total Current Supplies	978	1,013	1,015	870	645	600
Need (Demand - Current Supply)	0	0	0	42	359	495
Water Management Strategies						
Water Conservation	0	1	17	25	28	31
Add'l water from Weatherford (TRWD sources)	0	55	125	288	545	634
Add'l water from Walnut Creek SUD/TRWD	0	10	21	35	60	87
Total Water Management Strategies	0	66	163	348	633	752
Reserve (Shortage)	340	350	357	306	274	257

**Table C-264
Parker County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	3,182	4,029	4,006	4,073	4,124	4,364
Currently Available Water Supplies						
Local supplies	20	20	20	20	20	20
Brazos River Authority	44	35	26	18	9	0
Trinity Aquifer	4,344	4,344	4,344	4,344	4,344	4,344
Total Current Supplies	4,408	4,399	4,390	4,382	4,373	4,364
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	1,226	370	384	309	249	0

**Table C-265
Parker County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	54,108	54,108	54,108	75,898	116,910	181,910
Projected Water Demand						
Municipal Demand	7,027	6,851	6,714	9,269	14,205	22,058
Total Projected Water Demand	7,027	6,851	6,714	9,269	14,205	22,058
Currently Available Water Supplies						
Trinity Aquifer	6,575	6,575	6,575	6,575	6,575	6,575
Other Aquifer	50	50	50	50	50	50
Local Supplies	33	33	33	33	33	33
Mineral Wells (Palo Pinto Co. WCID)	957	957	957	957	957	957
Walnut Creek (TRWD)	211	187	162	198	240	285
Total Current Supplies	7,826	7,802	7,777	7,813	7,855	7,900
Need (Demand - Current Supply)	0	0	0	1,456	6,350	14,158
Water Management Strategies						
Water Conservation	59	81	67	124	237	441
New wells in Trinity Aquifer	200	200	200	200	200	200
Additional Water from Weatherford	0	0	0	1,403	2,488	3,978
Water from TRWD with Water Treatment Plant	0	0	0	0	3,635	9,618
Additional Water from Walnut Creek	0	17	37	76	179	364
Total Water Management Strategies	259	298	304	1,803	6,739	14,601
Reserve (Shortage)	1,058	1,249	1,367	347	389	443

Table C-266
Parker County Steam Electric Power

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	260	260	260	260	260	260
Currently Available Water Supplies						
Weatherford	380	338	294	240	201	172
Total Current Supplies	380	338	294	240	201	172
Need (Demand - Current Supply)	0	0	0	20	59	88
Water Management Strategies						
Additional Weatherford	0	0	0	20	59	88
Total Water Management Strategies	0	0	0	20	59	88
Reserve (Shortage)	120	78	34	0	0	0

Table C-267
Parker County Special Utility District

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,162	8,161	10,420	13,069	16,140	19,687
Projected Water Demand						
Municipal Demand	655	842	1,060	1,321	1,627	1,983
Total Projected Demand	655	842	1,060	1,321	1,627	1,983
Currently Available Water Supplies						
Mineral Wells (Reg G)	294	294	294	294	294	294
Brazos River Authority (Reg G) WTP capacity	561	561	561	561	561	561
Trinity Aquifer	36	36	36	36	36	36
Total Current Supplies	891	891	891	891	891	891
Need (Demand - Current Supply)	0	0	170	431	737	1,093
Water Management Strategies						
Water Conservation	5	9	11	18	27	40
1 MGD WTP expansion for BRA supply	540	540	540	540	540	540
Additional Groundwater (new wells)					513	513
Total Water Management Strategies	545	549	551	558	1,080	1,093
Reserve (Shortage)	780	597	381	127	343	0

**Table C-268
Payne Springs**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	877	977	1,060	1,170	1,300	1,600
Projected Water Demand						
Municipal Demand	143	155	165	181	200	246
Total Projected Demand	143	155	165	181	200	246
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	101	101	101	101	101	101
East Cedar Creek FWSD (TRWD sources)	47	48	45	44	37	33
Total Current Supplies	148	149	146	145	138	134
Need (Demand - Current Supply)	0	6	19	36	62	112
Water Management Strategies						
Water Conservation	1	2	2	2	3	5
Carrizo-Wilcox Aquifer (new wells)	145	145	145	145	145	145
Additional ECCFWSD (TRWD)	23	27	35	44	60	85
Total Water Management Strategies	169	174	182	191	208	235
Reserve (Shortage)	174	168	163	155	146	123

**Table C-269
Pecan Hill**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	801	1,025	1,286	1,592	2,000	3,000
Projected Water Demand						
Municipal Demand	111	136	167	205	257	384
Total Projected Demand	111	136	167	205	257	384
Currently Available Water Supplies						
Rockett SUD (TRWD and Midlothian)	77	76	75	78	79	86
Total Current Supplies	77	76	75	78	79	86
Need (Demand - Current Supply)	34	60	92	127	178	298
Water Management Strategies						
Water Conservation	1	1	2	3	4	8
Add'l Rockett SUD	33	59	90	124	174	290
Increase delivery infrastructure from Rockett SUD?						
Total Water Management Strategies	34	60	92	127	178	298
Reserve (Shortage)	0	0	0	0	0	0

**Table C-270
Pelican Bay**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,575	1,605	1,635	1,664	1,693	1,721
Projected Water Demand						
Municipal Demand	106	108	110	112	114	116
Total Projected Demand	106	108	110	112	114	116
Currently Available Water Supplies						
Trinity Aquifer	117	117	117	117	117	117
Total Current Supplies	117	117	117	117	117	117
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Azle (TRWD) initial connection	0	11	11	11	11	12
Total Water Management Strategies	1	12	12	12	13	14
Reserve (Shortage)	12	21	19	17	16	15

**Table C-271
Pilot Point**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,500	8,000	11,000	15,000	20,000	27,000
Projected Water Demand						
Municipal Demand	891	1,070	1,449	1,965	2,615	3,527
Total Projected Demand	891	1,070	1,449	1,965	2,615	3,527
Currently Available Water Supplies						
Trinity Aquifer	1,102	1,102	1,102	1,102	1,102	1,102
Total Current Supplies	1,102	1,102	1,102	1,102	1,102	1,102
Need (Demand - Current Supply)	0	0	347	863	1,513	2,425
Water Management Strategies						
Water Conservation	7	12	14	26	44	71
Additional Trinity Aquifer (new wells)	269	269	269	269	269	269
Upper Trinity Regional Water District	0	0	68	715	1,481	2,366
Total Water Management Strategies	276	281	351	1,010	1,794	2,706
Reserve (Shortage)	487	313	4	147	281	281

Table C-272
Plano

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	268,000	278,000	290,656	292,656	292,656	292,656
Projected Water Demand						
Municipal Demand	69,020	70,608	73,054	73,153	73,059	73,059
Customer Demand (The Colony)	1,200	2,000	2,200	2,400	2,600	2,800
Manufacturing Demand (12% Collin Co)	415	467	518	565	613	666
Total Projected Demand	70,635	73,075	75,772	76,118	76,272	76,525
Currently Available Water Supplies						
North Texas Municipal Water District	63,589	54,103	51,595	48,700	45,581	42,193
NTMWD (for The Colony)	1,106	1,532	1,554	1,598	1,622	1,617
NTMWD (for Manufacturing)	382	358	366	376	383	384
Total Current Supplies	65,076	55,993	53,515	50,673	47,586	44,194
Need (Demand - Current Supply)	5,559	17,082	22,257	25,445	28,686	32,331
Water Management Strategies						
Water Conservation	1,460	2,135	2,640	2,458	2,698	2,942
Water Conservation (The Colony)	12	26	26	37	50	65
Water Conservation (manufacturing)	0	1	11	16	17	19
Additional Water from NTMWD	3,971	14,370	18,819	21,995	24,780	27,924
Add'l Water from NTMWD for The Colony	82	442	620	765	928	1,118
Add'l Water from NTMWD for Manf	33	108	141	173	213	263
Total Water Management Strategies	5,559	17,082	22,257	25,445	28,686	32,331
Reserve (Shortage)	0	0	0	0	0	0

**Table C-273
Ponder**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,035	2,811	3,738	4,774	5,987	7,371
Projected Water Demand						
Municipal Demand	254	343	451	574	718	883
Total Projected Demand	254	343	451	574	718	883
Currently Available Water Supplies						
Trinity Aquifer	476	476	476	476	476	476
Total Current Supplies	476	476	476	476	476	476
Need (Demand - Current Supply)	0	0	0	98	242	407
Water Management Strategies						
Water Conservation	2	4	5	8	12	18
Upper Trinity Regional Water District	0	0	65	235	421	580
Total Water Management Strategies	2	4	70	243	433	598
Reserve (Shortage)	224	137	95	145	191	191

**Table C-274
Post Oak Bend City**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	800	1,000	1,200	1,850	2,500	5,000
Projected Water Demand						
Municipal Demand	93	113	134	205	276	550
Total Projected Demand	93	113	134	205	276	550
Currently Available Water Supplies						
Rose Hill SUD (NTMWD)	86	87	95	136	172	318
Total Current Supplies	86	87	95	136	172	318
Need (Demand - Current Supply)	7	26	39	69	104	232
Water Management Strategies						
Water Conservation	1	1	1	3	5	11
Additional Water from Rose Hill SUD	6	25	38	66	99	221
Total Water Management Strategies	7	26	39	69	104	232
Reserve (Shortage)	0	0	0	0	0	0

**Table C-275
Pottsboro**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,896	3,745	4,582	6,000	10,000	18,000
Projected Water Demand						
Municipal Demand	491	621	751	977	1,624	2,921
Total Projected Demand	491	621	751	977	1,624	2,921
Currently Available Water Supplies						
Woodbine Aquifer	129	129	129	129	129	129
Denison	362	441	458	419	357	288
Total Current Supplies	491	570	587	548	486	417
Need (Demand - Current Supply)	0	51	164	429	1,138	2,504
Water Management Strategies						
Water Conservation	4	7	15	28	60	117
Additional Denison	0	51	102	141	203	272
Grayson County Water Supply Project (North WTP)	0	0	47	260	875	2,115
Total Water Management Strategies	4	58	164	429	1,138	2,504
Reserve (Shortage)	4	7	0	0	0	0

**Table C-276
Princeton**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	9,080	11,880	15,290	36,295	57,300	78,304
Projected Water Demand						
Municipal Demand	974	1,236	1,566	3,679	5,798	7,919
Culleoka Water Supply Corporation	328	370	605	740	807	1,009
Total Projected Demand	1,302	1,606	2,171	4,419	6,605	8,928
Currently Available Water Supplies						
North Texas Municipal Water District	897	947	1,106	2,449	3,617	4,573
NTMWD for Ceulleoka WSC	302	284	427	493	503	583
Total Current Supplies	1,200	1,231	1,533	2,942	4,121	5,156
Need (Demand - Current Supply)	102	375	638	1,477	2,484	3,772
Water Management Strategies						
Water Conservation	8	13	16	49	97	158
Water Conservation (Culleoka WSC)	3	4	6	10	13	20
Additional Water from NTMWD	91	358	616	1,418	2,374	3,594
Total Water Management Strategies	102	375	638	1,477	2,484	3,772
Reserve (Shortage)	0	0	0	0	0	0

**Table C-277
Prosper**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	20,754	32,816	44,878	56,940	69,000	69,000
Projected Water Demand						
Municipal Demand	5,322	8,355	11,405	14,457	17,511	17,509
Total Projected Demand	5,322	8,355	11,405	14,457	17,511	17,509
Currently Available Water Supplies						
North Texas Municipal Water District	4,903	5,605	5,605	5,605	5,605	5,605
Total Current Supplies	4,903	5,605	5,605	5,605	5,605	5,605
Need (Demand - Current Supply)	419	2,750	5,800	8,852	11,906	11,904
Water Management Strategies						
Water Conservation	198	365	557	754	972	1,030
Additional Water from NTMWD	221	2,385	5,243	8,098	10,934	10,874
<i>Increase delivery infrastructure from NTMWD</i>	<i>0</i>	<i>2,385</i>	<i>5,243</i>	<i>8,098</i>	<i>10,934</i>	<i>10,874</i>
Total Water Management Strategies	419	2,750	5,800	8,852	11,906	11,904
Reserve (Shortage)	0	0	0	0	0	0

**Table C-278
Providence Village Water Control and Improvement District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,235	7,235	7,235	7,235	7,235	7,235
Projected Water Demand						
Municipal Demand	938	931	929	927	926	925
Total Projected Demand	938	931	929	927	926	925
Currently Available Water Supplies						
Mustang SUD (UTRWD)	938	724	566	449	400	351
Mustang SUD (Groundwater)	153	153	153	153	153	153
Total Current Supplies	1,091	877	719	602	553	504
Need (Demand - Current Supply)	0	54	210	325	373	421
Water Management Strategies						
Water Conservation	8	11	9	12	15	19
Additional Water from Mustang SUD	0	43	201	313	358	402
Total Water Management Strategies	8	54	210	325	373	421
Reserve (Shortage)	161	0	0	0	0	0

**Table C-279
Red Oak**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	12,369	14,000	19,000	26,000	32,000	50,000
Projected Water Demand						
Municipal Demand	1,845	2,052	2,750	3,741	4,595	7,170
Total Projected Demand	1,845	2,052	2,750	3,741	4,595	7,170
Currently Available Water Supplies						
Woodbine Aquifer	556	556	556	556	556	556
Dallas Water Utilities	56	231	747	1,396	1,876	3,425
Rockett Special Utility District	856	688	552	468	374	275
Total Current Supplies	1,468	1,475	1,855	2,420	2,806	4,256
Need (Demand - Current Supply)	377	577	895	1,321	1,789	2,914
Water Management Strategies						
Water Conservation	15	23	28	50	77	143
Additional Water from Rockett SUD	364	527	659	729	805	860
Additional Water from DWU	0	27	208	542	907	1,911
Total Water Management Strategies	379	577	895	1,321	1,789	2,914
Reserve (Shortage)	2	0	0	0	0	0

Table C-280
Reno

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,535	2,585	2,640	2,703	2,775	2,856
Projected Water Demand						
Municipal Demand	172	175	178	183	187	193
Total Projected Demand	172	175	178	183	187	193
Currently Available Water Supplies						
Trinity Aquifer	167	167	167	167	167	167
Walnut Creek SUD (TRWD)	50	46	40	36	28	22
Total Current Supplies	217	213	207	203	195	189
Need (Demand - Current Supply)	0	0	0	0	0	4
Water Management Strategies						
Water Conservation	1	2	2	2	3	4
Additional Water from Walnut Ck. SUD	0	2	8	12	19	24
Total Water Management Strategies	1	4	10	14	22	28
Reserve (Shortage)	46	42	39	34	30	24

**Table C-281
Rhome**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,384	3,368	4,377	7,000	9,400	12,000
Projected Water Demand						
Municipal Demand	411	571	738	1,175	1,576	2,011
Customer Demand - Aurora	71	96	123	161	200	248
Future Customer Demand - Newark	0	36	73	123	171	229
Future Customer Demand - New Fairview	0	54	150	267	448	663
Total Projected Demand	482	757	1,084	1,726	2,395	3,151
Currently Available Water Supplies						
Trinity Aquifer	280	280	280	280	280	280
Walnut Creek SUD (TRWD)	131	265	368	636	730	745
Walnut Creek SUD (TRWD) for Aurora	71	87	99	114	113	107
Total Current Supplies	482	632	747	1,030	1,123	1,132
Need (Demand - Current Supply)	0	125	337	696	1,272	2,019
Water Management Strategies						
Water Conservation	8	14	22	39	58	80
Water Conservation Aurora	1	2	2	3	4	6
Water Conservation Newark		2	2	4	6	8
Water Conservation New Fairview		3	3	6	11	17
Additional Water from Walnut Ck. SUD	0	12	68	220	508	906
Additional Walnut Ck. SUD - Aurora	0	7	22	44	83	135
Walnut Ck. SUD - Newark	0	51	147	261	437	646
Walnut Ck. SUD - New Fairview	0	34	71	119	165	221
Total Water Management Strategies	9	125	337	696	1,272	2,019
Reserve (Shortage)	9	0	0	0	0	0

Table C-282
Rice

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,022	1,126	1,235	1,358	1,487	1,625
Projected Water Demand						
Municipal Demand	163	176	190	207	226	246
Total Projected Demand	163	176	190	207	226	246
Currently Available Water Supplies						
Rice Water Supply Corporation (Corsicana)	163	114	114	111	107	100
Total Current Supplies	163	114	114	111	107	100
Need (Demand - Current Supply)	0	62	76	96	119	146
Water Management Strategies						
Water Conservation	1	2	2	3	4	5
Additional Water from Rice WSC	0	60	74	93	115	141
Total Water Management Strategies	1	62	76	96	119	146
Reserve (Shortage)	1	0	0	0	0	0

**Table C-283
Rice Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population						
Outside of Rice	8,499	10,611	13,055	15,914	19,266	23,134
In Rice	1,022	1,126	1,235	1,358	1,487	1,625
Total Population Served	9,521	11,737	14,290	17,272	20,753	24,759
Projected Water Demand						
Outside of Rice	800	958	1,151	1,388	1,675	2,008
In Rice	163	176	190	207	226	246
Total Projected Demand	963	1,134	1,341	1,595	1,901	2,254
Currently Available Water Supplies						
Corsicana for Rice WSC	750	588	661	720	766	797
Corsicana for Rice	163	114	114	111	107	100
Ennis for Rice WSC	48	46	41	34	22	13
Total Current Supplies	961	748	816	865	895	910
Need (Demand - Current Supply)	2	386	525	730	1,006	1,344
Water Management Strategies						
Water Conservation (Outside of Rice)	7	10	12	19	28	40
Water Conservation (In Rice)	1	2	2	3	4	5
Add'l Corsicana for Rice WSC	0	310	428	599	831	1,121
Add'l Corsicana for Rice	0	60	74	93	115	141
Add'l Ennis for Rice WSC	2	4	9	16	28	37
<i>Increase delivery infrastructure from Corsicana</i>	<i>0</i>	<i>0</i>	<i>156</i>	<i>402</i>	<i>698</i>	<i>1,038</i>
Total Water Management Strategies	10	386	525	730	1,006	1,344
Reserve (Shortage)	8	0	0	0	0	0

**Table C-284
Richardson**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	105,000	108,200	112,500	116,000	116,000	116,000
Projected Water Demand						
Municipal Demand	26,328	26,676	27,364	28,016	27,979	27,978
Manufacturing Demand (60% Collin Co)	2,074	2,333	2,591	2,824	3,065	3,328
Total Projected Demand	28,402	29,009	29,955	30,840	31,044	31,306
Currently Available Water Supplies						
North Texas Municipal Water District	24,256	20,440	19,326	18,651	17,456	16,158
NTMWD for Collin Co Manufacturing	1,910	1,788	1,830	1,880	1,913	1,922
Total Current Supplies	26,166	22,228	21,156	20,531	19,369	18,080
Need (Demand - Current Supply)	2,236	6,781	8,799	10,309	11,675	13,226
Water Management Strategies						
Water Conservation	604	830	941	1,054	1,146	1,239
Water Conservation (manufacturing)	0	5	54	80	87	94
Additional Water from NTMWD	1,468	5,406	7,097	8,311	9,377	10,581
Add'l Water from NTMWD for Manf	164	540	707	864	1,065	1,312
Total Water Management Strategies	2,236	6,781	8,799	10,309	11,675	13,226
Reserve (Shortage)	0	0	0	0	0	0

**Table C-285
Richland Hills**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,401	9,001	9,601	10,850	12,000	13,500
Projected Water Demand						
Municipal Demand	1,148	1,185	1,228	1,372	1,513	1,700
Total Projected Demand	1,148	1,185	1,228	1,372	1,513	1,700
Currently Available Water Supplies						
Trinity Aquifer	242	242	242	242	242	242
Fort Worth (TRWD)	862	761	674	696	716	755
Total Current Supplies	1,104	1,003	916	938	958	997
Need (Demand - Current Supply)	44	182	312	434	555	703
Water Management Strategies						
Water Conservation	10	14	12	18	25	34
Additional Water from Fort Worth	34	168	300	416	530	669
Total Water Management Strategies	44	182	312	434	555	703
Reserve (Shortage)	0	0	0	0	0	0

**Table C-286
River Oaks**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,500	7,500	7,500	7,500	7,500	7,500
Projected Water Demand						
Municipal Demand	850	817	790	775	772	772
Total Projected Demand	850	817	790	775	772	772
Currently Available Water Supplies						
Tarrant Regional Water District	850	744	635	551	489	437
Total Current Supplies	850	744	635	551	489	437
Need (Demand - Current Supply)	0	73	155	224	283	335
Water Management Strategies						
Water Conservation	7	10	8	10	13	15
Additional Water from TRWD	0	63	147	214	270	320
Total Water Management Strategies	7	73	155	224	283	335
Reserve (Shortage)	7	0	0	0	0	0

**Table C-287
Roanoke**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,975	9,988	12,000	12,000	12,000	12,000
Projected Water Demand						
Municipal Demand	2,263	2,807	3,356	3,350	3,348	3,348
Total Projected Demand	2,263	2,807	3,356	3,350	3,348	3,348
Currently Available Water Supplies						
Fort Worth (TRWD)	2,154	2,264	2,294	2,062	1,886	1,734
Total Current Supplies	2,154	2,264	2,294	2,062	1,886	1,734
Need (Demand - Current Supply)	109	543	1,062	1,288	1,462	1,614
Water Management Strategies						
Water Conservation	44	78	108	119	130	141
Additional Water from Fort Worth	65	465	954	1,169	1,332	1,473
Total Water Management Strategies	109	543	1,062	1,288	1,462	1,614
Reserve (Shortage)	0	0	0	0	0	0

**Table C-288
Rockett Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (Outside of Cities)	33,882	44,048	55,743	69,279	90,000	111,000
Projected Water Demand						
Municipal Demand	3,871	4,841	6,001	7,390	9,575	11,798
Areas Inside Cities and Customers	7,222	8,298	9,546	10,317	12,009	17,090
Total Projected Demand	11,093	13,139	15,547	17,707	21,584	28,888
Currently Available Water Supplies						
Midlothian	2,118	1,738	1,382	1,141	969	848
Trinity River Authority (TRWD), Capped by Water Treatment Plant Capacity	5,605	5,605	5,605	5,605	5,605	5,605
Total Current Supplies	7,723	7,343	6,987	6,746	6,574	6,453
Need (Demand - Current Supply)	3,370	5,796	8,560	10,961	15,010	22,435
Water Management Strategies						
Water Conservation	32	52	60	99	160	236
Water Conservation (customers)	94	156	212	273	343	456
Additional Midlothian	124	504	860	1,101	1,273	1,394
Additional Water from TRA/TRWD with WTP	4,934	7,303	10,124	12,610	16,996	24,899
Expansions below:						
<i>Sokoll 10 MGD Expansion-1</i>	<i>4,934</i>	<i>5,605</i>	<i>5,605</i>	<i>5,605</i>	<i>5,605</i>	<i>5,605</i>
<i>Sokoll 10 MGD Expansion-2</i>		<i>1,698</i>	<i>4,519</i>	<i>5,605</i>	<i>5,605</i>	<i>5,605</i>
<i>Sokoll 10 MGD Expansion-3</i>				<i>1,400</i>	<i>5,605</i>	<i>5,605</i>
<i>Sokoll 10 MGD Expansion-4</i>						<i>5,605</i>
Total Water Management Strategies	5,184	8,015	11,256	14,083	18,772	26,985
Reserve (Shortage)	1,814	2,219	2,696	3,122	3,762	4,550

Note: See Appendix H for details of demands.

**Table C-289
Rockwall**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (Rockwall Only)	47,474	59,732	73,669	87,768	103,514	120,202
Projected Water Demand						
Municipal Demand	8,914	11,049	13,526	16,057	18,911	21,947
Manufacturing and Customer Demand	5,779	9,836	10,017	10,213	11,536	12,731
Total Projected Demand	14,693	20,885	23,543	26,270	30,447	34,678
Currently Available Water Supplies						
North Texas Municipal Water District	13,537	16,003	16,627	17,488	18,995	20,027
Total Current Supplies	13,537	16,003	16,627	17,488	18,995	20,027
Need (Demand - Current Supply)	1,156	4,882	6,916	8,782	11,452	14,651
Water Management Strategies						
Water Conservation	329	490	658	834	1,045	1,286
Water Conservation Manf & Customers	78	217	263	289	327	375
Additional Water from NTMWD	749	4,175	5,995	7,659	10,080	12,990
<i>Increase delivery infrastructure from NTMWD</i>	<i>0</i>	<i>1,457</i>	<i>3,901</i>	<i>6,426</i>	<i>10,080</i>	<i>12,990</i>
Total Water Management Strategies	1,156	4,882	6,916	8,782	11,452	14,651
Reserve (Shortage)	0	0	0	0	0	0

Note: See Appendix H for details of demands.

**Table C-290
Rockwall County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	374	374	374	374	374	374
Currently Available Water Supplies						
NTMWD Reuse	672	672	672	672	672	672
Dallas Water Utilities	264	240	215	198	185	176
Total Current Supplies	936	912	887	870	857	848
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	12	24	30	35	41
Additional Water from NTMWD	97	94	91	89	88	86
Additional Water from DWU	12	28	44	57	66	71
Total Water Management Strategies	110	134	159	176	189	198
Reserve (Shortage)	672	672	672	672	672	672

**Table C-291
Rockwall County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	117	117	117	117	117	117
Currently Available Water Supplies						
Local Supplies	117	117	117	117	117	117
Total Current Supplies	117	117	117	117	117	117
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-292
Rockwall County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	35	40	45	50	55	61
Currently Available Water Supplies						
North Texas Municipal Water District (through Rockwall)	32	31	32	33	34	35
Total Current Supplies	32	31	32	33	34	35
Need (Demand - Current Supply)	3	9	13	17	21	26
Water Management Strategies						
Water Conservation	0	0	1	1	2	2
Additional water from NTMWD	3	9	12	16	19	24
Total Water Management Strategies	3	9	13	17	21	26
Reserve (Shortage)	0	0	0	0	0	0

**Table C-293
Rockwall County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	0	0	0	0	0	0
Currently Available Water Supplies						
None	0	0	0	0	0	0
Total Current Supplies	0	0	0	0	0	0
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-294
Rockwall County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,527	3,527	3,527	3,527	12,000	20,000
Projected Water Demand						
Municipal Demand	568	564	562	560	1,886	3,139
Total Projected Water Demand	568	564	562	560	1,886	3,139
Currently Available Water Supplies						
North Texas Municipal Water District (through various providers)	523	432	397	373	1,177	1,813
Total Current Supplies	523	432	397	373	1,177	1,813
Need (Demand - Current Supply)	45	132	165	187	709	1,326
Water Management Strategies						
Water Conservation	5	7	6	7	31	63
Additional Water from NTMWD	40	125	159	180	678	1,263
Total Water Management Strategies	45	132	165	187	709	1,326
Reserve (Shortage)	0	0	0	0	0	0

**Table C-295
Rockwall County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	0	0	0	0	0	0
Currently Available Water Supplies						
None	0	0	0	0	0	0
Total Current Supplies	0	0	0	0	0	0
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-296
Rose Hill Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,278	6,611	8,139	9,897	13,000	20,000
Projected Water Demand						
Municipal Demand	456	546	656	789	1,033	1,586
Customer Demand (Post Oak Bend City)	93	113	134	205	276	550
Total Projected Demand	549	659	790	994	1,309	2,136
Currently Available Water Supplies						
North Texas Municipal Water District	420	418	463	525	644	916
NTWMD (for Post Oak Bend City)	86	87	95	136	172	318
Total Current Supplies	506	505	558	662	817	1,234
Need (Demand - Current Supply)	43	154	232	332	492	902
Water Management Strategies						
Water Conservation	4	6	7	11	17	32
Water Conservation (customer)	1	1	1	3	5	11
Additional Water from NTWMD	32	122	186	253	372	638
Add'l Water from NTWMD for Post Oak	6	25	38	66	99	221
Total Water Management Strategies	43	154	232	332	492	902
Reserve (Shortage)	0	0	0	0	0	0

**Table C-297
Rowlett**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	64,500	70,000	70,000	70,000	70,000	70,000
Projected Water Demand						
Municipal Demand	9,870	10,484	10,348	10,270	10,249	10,248
Total Projected Demand	9,870	10,484	10,348	10,270	10,249	10,248
Currently Available Water Supplies						
North Texas Municipal Water District	9,093	8,033	7,308	6,837	6,395	5,918
Total Current Supplies	9,093	8,033	7,308	6,837	6,395	5,918
Need (Demand - Current Supply)	777	2,451	3,040	3,433	3,854	4,330
Water Management Strategies						
Water Conservation	82	119	103	137	171	205
Additional Water from NTMWD	695	2,332	2,937	3,296	3,683	4,125
Total Water Management Strategies	777	2,451	3,040	3,433	3,854	4,330
Reserve (Shortage)	0	0	0	0	0	0

**Table C-298
Royse City**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	10,864	15,452	23,572	45,737	80,973	91,316
Projected Water Demand						
Municipal Demand	1,261	1,746	2,628	5,065	8,948	10,089
Total Projected Demand	1,261	1,746	2,628	5,065	8,948	10,089
Currently Available Water Supplies						
North Texas Municipal Water District	1,122	1,298	1,811	3,318	5,516	5,742
Total Current Supplies	1,122	1,298	1,811	3,318	5,516	5,742
Need (Demand - Current Supply)	139	448	817	1,747	3,432	4,347
Water Management Strategies						
Water Conservation	10	17	26	66	147	199
Additional Water from NTMWD	129	431	791	1,681	3,285	4,148
Total Water Management Strategies	139	448	817	1,747	3,432	4,347
Reserve (Shortage)	0	0	0	0	0	0

**Table C-299
Runaway Bay**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,448	1,633	1,822	2,200	2,500	3,000
Projected Water Demand						
Municipal Demand	350	388	428	514	584	700
Total Projected Demand	350	388	428	514	584	700
Currently Available Water Supplies						
Tarrant Regional Water District	350	353	344	365	370	396
Total Current Supplies	350	353	344	365	370	396
Need (Demand - Current Supply)	0	35	84	149	214	304
Water Management Strategies						
Water Conservation	6	10	13	17	21	28
Additional Water from TRWD with infrastructure below:	0	25	71	132	193	276
<i>0.5 MGD Water Treatment Plant Expansion</i>						100
<i>Increase capacity of lake intake</i>						100
Total Water Management Strategies	6	35	84	149	214	304
Reserve (Shortage)	6	0	0	0	0	0

**Table C-300
Sachse**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	28,499	28,499	28,499	28,499	28,499	28,499
Projected Water Demand						
Municipal Demand	5,179	5,124	5,091	5,071	5,064	5,062
Total Projected Demand	5,179	5,124	5,091	5,071	5,064	5,062
Currently Available Water Supplies						
North Texas Municipal Water District	4,771	3,926	3,596	3,376	3,159	2,923
Total Current Supplies	4,771	3,926	3,596	3,376	3,159	2,923
Need (Demand - Current Supply)	408	1,198	1,495	1,695	1,905	2,139
Water Management Strategies						
Water Conservation	95	137	153	169	186	202
Additional Water from NTMWD	313	1,061	1,342	1,526	1,719	1,937
Total Water Management Strategies	408	1,198	1,495	1,695	1,905	2,139
Reserve (Shortage)	0	0	0	0	0	0

**Table C-301
Saginaw**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	23,004	26,202	29,400	31,000	31,000	31,000
Projected Water Demand						
Municipal Demand	3,148	3,503	3,876	4,059	4,052	4,051
Total Projected Demand	3,148	3,503	3,876	4,059	4,052	4,051
Currently Available Water Supplies						
Fort Worth (TRWD)	2,996	2,825	2,649	2,498	2,283	2,098
Total Current Supplies	2,996	2,825	2,649	2,498	2,283	2,098
Need (Demand - Current Supply)	152	678	1,227	1,561	1,769	1,953
Water Management Strategies						
Water Conservation	26	39	39	54	68	81
Additional Water from Fort Worth	126	639	1,188	1,507	1,701	1,872
Total Water Management Strategies	152	678	1,227	1,561	1,769	1,953
Reserve (Shortage)	0	0	0	0	0	0

**Table C-302
Sanger**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	8,632	10,713	13,199	15,977	19,229	22,941
Projected Water Demand						
Municipal Demand	1,202	1,452	1,763	2,119	2,545	3,034
Total Projected Demand	1,202	1,452	1,763	2,119	2,545	3,034
Currently Available Water Supplies						
Trinity Aquifer	1,121	1,121	1,121	1,121	1,121	1,121
Upper Trinity Regional Water District	78	342	525	647	808	894
Total Current Supplies	1,199	1,463	1,646	1,768	1,930	2,016
Need (Demand - Current Supply)	3	0	117	351	615	1,018
Water Management Strategies						
Water Conservation	10	16	18	28	42	61
Additional Water from UTRWD	0	82	319	660	1,021	1,405
Total Water Management Strategies	10	98	337	688	1,063	1,466
Reserve (Shortage)	7	109	220	337	447	447

**Table C-303
Sansom Park**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,800	5,100	5,723	6,064	6,406	6,740
Projected Water Demand						
Municipal Demand	534	545	592	617	650	683
Total Projected Demand	534	545	592	617	650	683
Currently Available Water Supplies						
Trinity Aquifer	578	578	578	578	578	578
Fort Worth (TRWD)	0	0	10	24	41	54
Total Current Supplies	578	578	588	602	619	632
Need (Demand - Current Supply)	0	0	4	15	31	51
Water Management Strategies						
Water Conservation	4	6	6	8	11	14
Add'l Fort Worth	0	0	0	7	20	37
Total Water Management Strategies	4	6	6	15	31	51
Reserve (Shortage)	48	39	2	0	0	0

**Table C-304
Sardis-Lone Elm Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	14,500	18,000	22,000	24,000	25,340	25,340
Projected Water Demand						
Municipal Demand	3,904	4,793	5,824	6,338	6,688	6,686
Total Projected Demand	3,904	4,793	5,824	6,338	6,688	6,686
Currently Available Water Supplies						
Trinity Aquifer	352	352	352	352	352	352
Woodbine Aquifer	1,386	1,386	1,386	1,386	1,386	1,386
Rockett Special Utility District (TRWD and Midlothian)	1,508	1,525	1,484	1,417	1,343	1,105
Total Current Supplies	3,246	3,263	3,222	3,155	3,081	2,843
Need (Demand - Current Supply)	658	1,530	2,602	3,183	3,607	3,843
Water Management Strategies						
Water Conservation	72	123	175	211	245	267
Rockett Special Utility District (TRWD)	586	1,407	2,427	2,972	3,362	3,576
Increase delivery Infrastructure from Rockett SUD	0	0	548	1,026	1,342	1,318
Connect to Midlothian	1,121	1,121	1,121	1,121	1,121	1,121
Total Water Management Strategies	1,779	2,651	3,723	4,304	4,728	4,964
Reserve (Shortage)	1,121	1,121	1,121	1,121	1,121	1,121

**Table C-305
Savoy**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	924	1,016	1,086	1,151	1,249	1,355
Projected Water Demand						
Municipal Demand	88	92	94	98	106	115
Total Projected Demand	88	92	94	98	106	115
Currently Available Water Supplies						
Woodbine Aquifer	88	88	88	88	88	88
Total Current Supplies	88	88	88	88	88	88
Need (Demand - Current Supply)	0	4	6	10	18	27
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Fannin County Water Supply Project (NTMWD)	0	31	43	47	54	63
Total Water Management Strategies	1	32	44	48	56	65
Reserve (Shortage)	1	28	38	38	38	38

**Table C-306
Scurry**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	850	1,050	1,250	1,919	2,700	6,000
Projected Water Demand						
Municipal Demand	59	71	85	129	182	404
Total Projected Demand	59	71	85	129	182	404
Currently Available Water Supplies						
Gastonia-Scurry WSC (NTMWD)	54	54	60	86	114	233
Total Current Supplies	54	54	60	86	114	233
Need (Demand - Current Supply)	5	17	25	43	68	171
Water Management Strategies						
Water Conservation	0	1	1	2	3	8
Additional Water from Gastonia-Scurry WSC (NTMWD)	5	16	24	41	65	163
Total Water Management Strategies	5	17	25	43	68	171
Reserve (Shortage)	0	0	0	0	0	0

**Table C-307
Seagoville**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population In City Only	18,854	22,873	26,892	30,911	35,000	35,000
Projected Water Demand						
Municipal Demand	2,062	2,413	2,779	3,162	3,571	3,571
Customer Demand	757	824	996	1,278	2,316	4,032
Total Projected Demand	2,819	3,237	3,775	4,440	5,887	7,603
Currently Available Water Supplies						
Dallas Water Utilities	1,682	1,682	1,682	1,682	1,682	1,682
Total Current Supplies	1,682	1,682	1,682	1,682	1,682	1,682
Need (Demand - Current Supply)	1,137	1,555	2,093	2,758	4,205	5,921
Water Management Strategies						
Water Conservation	17	26	28	42	60	71
Water Conservation (customers)	14	19	19	29	52	95
Additional Dallas Water	1,107	1,511	2,047	2,688	4,094	5,756
Total Water Management Strategies	1,138	1,556	2,094	2,759	4,206	5,922
Reserve (Shortage)	1	1	1	1	1	1

Note: See Appendix H for details on demands.

**Table C-308
Seis Lagos Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,130	2,130	2,130	2,130	2,130	2,130
Projected Water Demand						
Municipal Demand	603	598	596	594	594	594
Total Projected Demand	603	598	596	594	594	594
Currently Available Water Supplies						
NTMWD	556	458	421	395	371	343
Total Current Supplies	556	458	421	395	371	343
Need (Demand - Current Supply)	47	140	175	199	223	251
Water Management Strategies						
Water Conservation	34	39	41	42	44	46
Additional Water from NTMWD	13	101	134	157	179	205
Total Water Management Strategies	47	140	175	199	223	251
Reserve (Shortage)	0	0	0	0	0	0

**Table C-309
Seven Points**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,605	1,881	2,162	2,737	3,238	3,784
Projected Water Demand						
Municipal Demand	355	409	465	586	692	808
Total Projected Demand	355	409	465	586	692	808
Currently Available Water Supplies						
West Cedar Creek Municipal Utility District (TRWD)	310	318	322	353	311	270
Total Current Supplies	310	318	322	353	311	270
Need (Demand - Current Supply)	45	91	143	233	381	538
Water Management Strategies						
Water Conservation	7	11	14	20	25	32
Additional Water from WCCMUD (retail)	38	80	129	213	356	506
Total Water Management Strategies	45	91	143	233	381	538
Reserve (Shortage)	0	0	0	0	0	0

**Table C-310
Shady Shores**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,441	3,936	3,936	3,936	3,936	3,936
Projected Water Demand						
Municipal Demand	461	516	511	508	507	506
Total Projected Demand	461	516	511	508	507	506
Currently Available Water Supplies						
Lake Cities Municipal Utility Authority (Groundwater)	76	76	76	76	76	76
Lake Cities Municipal Utility Authority (UTRWD)	385	348	279	225	203	178
Total Current Supplies	461	424	355	302	279	254
Need (Demand - Current Supply)	0	92	156	206	228	252
Water Management Strategies						
Water Conservation	4	6	5	7	8	10
Additional Water from Lake Cities MUA	0	93	166	223	250	272
Total Water Management Strategies	4	99	171	230	258	282
Reserve (Shortage)	4	7	15	23	30	30

**Table C-311
Sherman**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	42,880	45,000	50,000	58,000	75,000	105,000
Projected Water Demand						
Municipal Demand	10,543	10,881	11,928	13,741	17,732	24,800
Treated Customer Demand	6,226	6,714	7,619	8,090	9,510	11,935
Raw (SEP) Customer Demand	6,163	6,163	6,163	6,163	6,163	6,163
Total Projected Demand	22,932	23,758	25,710	27,994	33,405	42,898
Currently Available Water Supplies						
Trinity Aquifer	4,083	4,083	4,083	4,083	4,083	4,083
Woodbine Aquifer	1,289	1,289	1,289	1,289	1,289	1,289
Greater Texoma Utility Authority (Lake Texoma, Treated, limited by WTP)	11,210	11,210	11,210	11,210	11,210	11,210
Greater Texoma Utility Authority (Lake Texoma, Raw)	6,163	6,163	6,163	6,163	6,163	6,163
Total Current Treated Supplies	16,582	16,582	16,582	16,582	16,582	16,582
Total Current Raw Supplies	6,163	6,163	6,163	6,163	6,163	6,163
Treated Need (Demand - Current Supply)	187	1,013	2,965	5,249	10,660	20,153
Raw Water Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	193	288	358	458	650	992
Water Conservation (customers)	36	90	168	240	319	439
Grayson County WSP - Additional Texoma Supply from GTUA:						
10 MGD WTP Expansion (desal)	5,605	5,605	5,605	11,210	11,210	22,420
10 MGD New WTP (desal)				5,605	5,605	5,605
20 MGD WTP Expansion (desal)						11,210
Total Water Management Strategies	5,834	5,983	6,131	11,908	12,179	23,851
Reserve (Shortage)	5,647	4,970	3,166	6,659	1,519	3,698

Table C-312
South Grayson Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,500	5,000	6,000	6,500	7,000	7,500
Projected Water Demand						
Municipal Demand	551	599	708	762	818	875
Total Projected Demand	551	599	708	762	818	875
Currently Available Water Supplies						
Trinity Aquifer	275	275	275	275	275	275
Woodbine Aquifer	551	551	551	551	551	551
Total Current Supplies	826	826	826	826	826	826
Need (Demand - Current Supply)	0	0	0	0	0	49
Water Management Strategies						
Water Conservation	5	7	7	10	14	18
Grayson County Water Supply Project (GTUA - Sherman WTP)	95	93	93	90	86	82
Total Water Management Strategies	100	100	100	100	100	100
Reserve (Shortage)	375	327	218	164	108	51

Table C-313
Southlake

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	27,818	31,315	36,669	42,065	47,528	53,057
Projected Water Demand						
Municipal Demand	11,501	12,865	15,005	17,178	19,392	21,642
Total Projected Demand	11,501	12,865	15,005	17,178	19,392	21,642
Currently Available Water Supplies						
Fort Worth (TRWD)	10,947	10,376	10,256	10,574	10,924	11,208
Total Current Supplies	10,947	10,376	10,256	10,574	10,924	11,208
Need (Demand - Current Supply)	554	2,489	4,749	6,604	8,468	10,434
Water Management Strategies						
Water Conservation	261	393	517	649	797	962
Additional Water from Fort Worth	293	2,096	4,232	5,955	7,671	9,472
<i>Increase delivery infrastructure from Ft Worth</i>	0	141	2,157	4,198	6,264	8,349
Total Water Management Strategies	554	2,489	4,749	6,604	8,468	10,434
Reserve (Shortage)	0	0	0	0	0	0

**Table C-314
Southmayd**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,098	1,222	1,344	1,483	2,000	3,000
Projected Water Demand						
Municipal Demand	97	103	110	119	159	238
Total Projected Demand	97	103	110	119	159	238
Currently Available Water Supplies						
Woodbine Aquifer	161	161	161	161	161	161
Total Current Supplies	161	161	161	161	161	161
Need (Demand - Current Supply)	0	0	0	0	0	77
Water Management Strategies						
Water Conservation	1	1	1	2	3	5
Grayson County Water Supply Project (Sherman WTP)	0	0	49	48	72	95
New Well Woodbine Aquifer						77
Total Water Management Strategies	1	1	50	50	75	177
Reserve (Shortage)	65	59	101	92	77	100

**Table C-315
Southwest Fannin County Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	5,628	6,913	8,096	9,384	12,000	15,000
Projected Water Demand						
Municipal Demand	559	664	763	878	1,118	1,394
Total Projected Demand	559	664	763	878	1,118	1,394
Currently Available Water Supplies						
Woodbine Aquifer	610	610	610	610	610	610
Total Current Supplies	610	610	610	610	610	610
Need (Demand - Current Supply)	0	54	153	268	508	784
Water Management Strategies						
Water Conservation	5	7	8	12	19	28
New Well in Woodbine Aquifer and Transmission Facilities		100	100	100	100	100
Fannin County Water Supply Project		336	434	545	778	1,045
Total Water Management Strategies	5	443	542	657	897	1,173
Reserve (Shortage)	56	389	389	389	389	389

**Table C-316
Springtown**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,079	5,500	5,500	5,500	5,500	5,500
Projected Water Demand						
Municipal Demand	577	757	749	745	744	743
Total Projected Demand	577	757	749	745	744	743
Currently Available Water Supplies						
Trinity Aquifer	95	95	95	95	95	95
Tarrant Regional Water District	340	340	340	340	340	327
Total Current Supplies	435	435	435	435	435	422
Need (Demand - Current Supply)	142	322	314	310	309	321
Water Management Strategies						
Water Conservation	5	8	7	10	12	15
Trinity Aquifer - new wells	70	70	70	70	70	70
Additional Water from TRWD	67	244	237	230	227	236
<i>Infrastructure needs (Lake Intake modifications for lower lake levels)</i>	<i>67</i>	<i>244</i>	<i>237</i>	<i>230</i>	<i>227</i>	<i>236</i>
Total Water Management Strategies	142	322	314	310	309	321
Reserve (Shortage)	0	0	0	0	0	0

**Table C-317
Saint Paul**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,965	2,255	2,453	2,559	2,666	2,666
Projected Water Demand						
Municipal Demand	265	298	322	334	348	347
Total Projected Demand	265	298	322	334	348	347
Currently Available Water Supplies						
NTMWD (through Wylie Northeast SUD)	244	228	227	222	217	200
Total Current Supplies	244	228	227	222	217	200
Need (Demand - Current Supply)	21	70	95	112	131	147
Water Management Strategies						
Water Conservation	2	3	3	4	6	7
Additional Water from NTMWD	19	67	92	108	125	140
Total Water Management Strategies	21	70	95	112	131	147
Reserve (Shortage)	0	0	0	0	0	0

**Table C-318
Sunnyvale**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	7,000	10,000	13,000	15,000	18,000	18,000
Projected Water Demand						
Municipal Demand	2,357	3,332	4,313	4,968	5,958	5,957
Total Projected Demand	2,357	3,332	4,313	4,968	5,958	5,957
Currently Available Water Supplies						
North Texas Municipal Water District	2,172	2,553	3,046	3,307	3,717	3,440
Total Current Supplies	2,172	2,553	3,046	3,307	3,717	3,440
Need (Demand - Current Supply)	185	779	1,267	1,661	2,241	2,517
Water Management Strategies						
Water Conservation	43	84	129	166	218	238
Additional Water from NTMWD and additional pipeline	142	695	1,138	1,495	2,023	2,279
Total Water Management Strategies	185	779	1,267	1,661	2,241	2,517
Reserve (Shortage)	0	0	0	0	0	0

**Table C-319
Talty**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,306	2,889	3,557	4,325	6,000	10,000
Projected Water Demand						
Municipal Demand	305	377	462	560	775	1,289
Total Projected Demand	305	377	462	560	775	1,289
Currently Available Water Supplies						
North Texas Municipal Water District (through Talty WSC 67%)	188	194	219	250	324	499
North Texas Municipal Water District (through Gastonia-Scurry SUD 33%)	93	95	108	123	160	246
Total Current Supplies	281	289	326	373	484	744
Need (Demand - Current Supply)	24	88	136	187	291	545
Water Management Strategies						
Water Conservation	3	4	5	7	13	26
Add'l Water from Talty WSC (NTMWD)	14	56	88	121	187	347
Add'l Water from G-S SUD(NTMWD)	7	28	43	59	92	171
Total Water Management Strategies	24	88	136	187	291	545
Reserve (Shortage)	0	0	0	0	0	0

**Table C-320
Talty Water Supply Corporation**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	9,663	11,103	12,902	18,121	23,000	30,000
Projected Water Demand						
Municipal Demand	1,584	1,801	2,083	2,914	3,693	4,813
Talty (67%)	204	253	310	375	519	864
Total Projected Demand	1,788	2,054	2,393	3,289	4,212	5,677
Currently Available Water Supplies						
North Texas Municipal Water District	1,459	1,380	1,471	1,940	2,304	2,780
NTWMD (for Talty)	188	194	219	250	324	499
Total Current Supplies	1,648	1,574	1,690	2,190	2,628	3,278
Need (Demand - Current Supply)	140	480	703	1,099	1,584	2,399
Water Management Strategies						
Water Conservation Talty WSC	29	47	62	97	135	193
Water Conservation Talty (67%)	2	3	3	5	9	17
Add'l NTWMD	96	374	551	877	1,254	1,841
Add'l NTWMD for Talty	14	56	88	121	187	347
Total Water Management Strategies	141	480	703	1,100	1,585	2,399
Reserve (Shortage)	0	0	0	1	1	0

**Table C-321
Tarrant County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	4,466	4,466	4,466	4,466	4,466	4,466
Currently Available Water Supplies						
Local Supplies	549	549	549	549	549	549
Trinity Aquifer	752	752	752	752	752	752
Woodbine Aquifer	632	632	632	632	632	632
Indirect Reuse (DCPCMUD through Grapevine)	1,121	1,121	1,121	1,121	1,121	1,121
Direct Reuse (Azle)	300	300	300	300	300	300
Tarrant Regional Water District	1,340	1,219	1,078	952	849	758
Direct Reuse (Fort Worth)	2,000	2,000	2,000	2,000	2,000	2,000
Total Current Supplies	6,694	6,574	6,432	6,307	6,204	6,112
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	8	138	266	334	396	459
Add'l Tarrant Regional WD	0	0	0	53	94	123
Total Water Management Strategies	8	138	266	387	490	582
Reserve (Shortage)	2,236	2,246	2,232	2,228	2,228	2,228

**Table C-322
Tarrant County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	723	723	723	723	723	723
Currently Available Water Supplies						
Trinity Aquifer	281	281	281	281	281	281
Local Supplies	442	442	442	442	442	442
Total Current Supplies	723	723	723	723	723	723
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-323
Tarrant County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	20,444	23,630	26,924	29,919	32,457	35,210
Currently Available Water Supplies						
Trinity Aquifer	1,937	1,937	1,937	1,937	1,937	1,937
Trinity Aquifer (Through Kennedale)	102	118	135	150	162	176
Fort Worth (TRWD Sources)	15,275	14,961	14,446	14,456	14,353	14,314
Arlington (TRWD Sources)	2,275	2,623	2,650	2,599	2,525	2,433
Mansfield (TRWD Sources)	279	296	300	280	274	269
Grand Prairie (TRWD Sources)	195	180	162	157	148	147
Total Current Supplies	20,063	20,115	19,630	19,579	19,399	19,276
Need (Demand - Current Supply)	381	3,515	7,294	10,340	13,058	15,934
Water Management Strategies						
Water Conservation	0	47	556	834	919	999
Add'l water from Ft Worth (TRWD)	774	3,552	6,253	8,375	10,405	12,542
Add'l water from Arlington (TRWD)	178	207	514	891	1,260	1,672
Add'l water from Mansfield (TRWD)	130	176	226	302	356	415
Add'l water from Grand Prairie (TRWD)	112	173	234	279	325	366
Total Water Management Strategies	1,194	4,156	7,783	10,681	13,265	15,994
Reserve (Shortage)	813	641	489	341	207	60

**Table C-324
Tarrant County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	7,367	4,482	1,589	1,537	1,497	1,464
Currently Available Water Supplies						
Local supplies	342	342	342	342	342	342
Tarrant Regional Water District	6,567	3,351	635	524	442	376
Trinity Aquifer	800	800	800	800	800	800
Total Current Supplies	7,709	4,493	1,777	1,666	1,584	1,518
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Tarrant Regional Water District	0	331	154	213	255	288
Total Water Management Strategies	0	331	154	213	255	288
Reserve (Shortage)	342	342	342	342	342	342

**Table C-325
Tarrant County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	36,012	36,012	36,012	60,000	80,000	110,000
Projected Water Demand						
Municipal Demand	8,008	7,862	7,743	11,410	14,509	19,178
Total Projected Water Demand	8,008	7,862	7,743	11,410	14,509	19,178
Currently Available Water Supplies						
Trinity Aquifer	1,200	1,200	1,200	1,200	1,200	1,200
TRWD direct (5% of non-DFW Airport demand) (Monarch Utilities)	240	212	183	292	358	452
Fort Worth	4,346	3,570	2,949	4,800	6,051	7,860
Fort Worth for DFW Airport	724	614	581	524	479	440
Fort Worth Reuse for DFW Airport	40	40	150	150	150	150
Dallas Water Utilities (for DFW Airport)	1,145	1,041	775	715	668	637
Total Current Supplies	7,696	6,677	5,838	7,681	8,907	10,739
Need (Demand - Current Supply)	312	1,185	1,905	3,729	5,602	8,439
Water Management Strategies						
Water Conservation	50	69	57	125	208	344
Additional Water from TRWD direct	0	19	42	115	199	333
Additional Water from Ft Worth	191	818	1,333	2,913	4,537	7,045
Add'l Water from Ft Worth (for DFW Airport)	77	187	420	477	522	561
Add'l Dallas (for DFW Airport)	56	160	226	286	333	364
Total Water Management Strategies	374	1,253	2,078	3,915	5,799	8,647
Reserve (Shortage)	61	68	173	186	196	208

**Table C-326
Tarrant County Steam Electric Power**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,448	4,168	5,000	5,000	5,000	5,000
Currently Available Water Supplies						
Run-of-River supplies	959	959	959	959	959	959
Tarrant Regional Water District	2,448	2,228	1,969	1,740	1,552	1,385
Total Current Supplies	3,407	3,187	2,928	2,699	2,511	2,344
Need (Demand - Current Supply)	0	981	2,072	2,301	2,489	2,656
Water Management Strategies						
Additional Water from TRWD	0	220	479	708	896	1,063
Reuse	0	1,528	2,360	2,360	2,360	2,360
Total Water Management Strategies	0	1,748	2,839	3,068	3,256	3,423
Reserve (Shortage)	959	767	767	767	767	767

Table C-327
Teague

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,750	4,000	5,600	7,050	8,500	10,000
Projected Water Demand						
Municipal Demand	380	386	515	637	765	899
Freestone County Manufacturing	40	40	40	40	40	40
Total Projected Demand	420	426	555	677	805	939
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	899	899	899	899	899	899
Carrizo-Wilcox Aquifer for manf	40	40	40	40	40	40
Total Current Supplies	939	939	939	939	939	939
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	3	4	5	8	13	18
New Wells in Trinity Aquifer				200	200	200
Total Water Management Strategies	3	4	5	208	213	218
Reserve (Shortage)	522	517	389	470	347	218

Table C-328
Terrell

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	23,769	43,403	52,959	65,689	76,235	88,473
Projected Water Demand						
Municipal Demand	4,035	7,143	8,638	10,670	12,372	14,353
Manufacturing and Customer Demand	1,301	1,578	2,140	3,023	4,780	6,612
Total Projected Demand	5,336	8,721	10,778	13,693	17,152	20,965
Currently Available Water Supplies						
North Texas Municipal Water District	4,915	6,682	6,726	6,726	6,726	6,726
Total Current Supplies	4,915	6,682	6,726	6,726	6,726	6,726
Need (Demand - Current Supply)	421	2,039	4,052	6,967	10,426	14,239
Water Management Strategies						
Water Conservation	74	175	259	356	454	574
Water Conservation (Customers)	7	10	17	24	36	49
Add'l NTMWD with Infrastructure as below:	340	1,854	3,776	6,587	9,936	13,616
<i>Infrastructure Upgrades to Deliver water to Wholesale Customers</i>	340	1,854	3,776	6,587	9,936	13,616
<i>Additional Connection to NTMWD</i>	340	1,854	3,776	6,587	9,936	13,616
Total Water Management Strategies	421	2,039	4,052	6,967	10,426	14,239
Reserve (Shortage)	0	0	0	0	0	0

**Table C-329
The Colony**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	51,000	58,000	62,000	67,600	67,600	67,600
Projected Water Demand						
Municipal Demand	7,762	8,632	9,106	9,857	9,844	9,841
Total Projected Demand	7,762	8,632	9,106	9,857	9,844	9,841
Currently Available Water Supplies						
Trinity Aquifer	1,327	1,327	1,327	1,327	1,327	1,327
Dallas Water Utilities	4,992	4,600	4,320	4,377	3,952	3,635
Plano (NTMWD)	1,106	1,532	1,554	1,598	1,622	1,617
Total Current Supplies	7,425	7,459	7,201	7,302	6,901	6,579
Need (Demand - Current Supply)	337	1,173	1,905	2,555	2,943	3,262
Water Management Strategies						
Water Conservation	65	96	91	131	164	197
Additional Water from DWU	199	609	1,168	1,622	1,801	1,882
Additional Water from Plano	84	468	646	802	978	1,183
Total Water Management Strategies	348	1,173	1,905	2,555	2,943	3,262
Reserve (Shortage)	11	0	0	0	0	0

**Table C-330
Tioga**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	865	936	1,006	1,087	3,500	4,800
Projected Water Demand						
Municipal Demand	119	124	131	139	444	608
Total Projected Demand	119	124	131	139	444	608
Currently Available Water Supplies						
Trinity Aquifer	119	119	119	119	119	119
Total Current Supplies	119	119	119	119	119	119
Need (Demand - Current Supply)	0	5	12	20	325	489
Water Management Strategies						
Water Conservation	1	1	1	2	7	12
Grayson County Water Supply Project (Sherman WTP)	0	4	11	18	318	477
Total Water Management Strategies	1	5	12	20	325	489
Reserve (Shortage)	1	0	0	0	0	0
Alternate Water Management Strategies						
Grayson County Water Supply Project (Northwest WTP)	0	4	11	18	318	477

**Table C-331
Tom Bean**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,176	1,328	1,477	1,649	2,000	3,000
Projected Water Demand						
Municipal Demand	222	245	268	297	359	538
Total Projected Demand	222	245	268	297	359	538
Currently Available Water Supplies						
Woodbine Aquifer	222	222	222	222	222	222
Total Current Supplies	222	222	222	222	222	222
Need (Demand - Current Supply)	0	23	46	75	137	316
Water Management Strategies						
Water Conservation	2	23	64	73	90	137
Grayson County Water Supply Project (Sherman WTP)	0	0	0	2	47	179
Total Water Management Strategies	2	23	64	75	137	316
Reserve (Shortage)	2	0	18	0	0	0

**Table C-332
Tool**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,438	2,618	2,769	2,968	4,500	6,000
Projected Water Demand						
Municipal Demand	553	583	607	646	976	1,300
Total Projected Demand	553	583	607	646	976	1,300
Currently Available Water Supplies						
West Cedar Creek Municipal Utility District (TRWD)	483	453	420	390	439	434
Total Current Supplies	483	453	420	390	439	434
Need (Demand - Current Supply)	70	130	187	256	537	866
Water Management Strategies						
Water Conservation	10	15	18	22	36	52
Additional Water from WCCMUD	60	115	169	234	501	814
Total Water Management Strategies	70	130	187	256	537	866
Reserve (Shortage)	0	0	0	0	0	0

**Table C-333
Trenton**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	706	1,000	3,500	6,000	8,000	10,000
Projected Water Demand						
Municipal Demand	131	179	609	1,041	1,387	1,733
Total Projected Demand	131	179	609	1,041	1,387	1,733
Currently Available Water Supplies						
Woodbine Aquifer	131	131	131	131	131	131
Total Current Supplies	131	131	131	131	131	131
Need (Demand - Current Supply)	0	48	478	910	1,256	1,602
Water Management Strategies						
Water Conservation	1	4	15	35	51	69
New Well in Woodbine Aquifer (Fannin Co)		25	25	25	25	25
Fannin Co Water Supply Project (NTMWD)	0	89	508	920	1,250	1,578
Total Water Management Strategies	1	118	548	980	1,326	1,672
Reserve (Shortage)	1	70	70	70	70	70

**Table C-334
Trinidad**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	886	886	886	886	1,000	1,200
Projected Water Demand						
Municipal Demand	91	86	83	83	93	111
Total Projected Demand	91	86	83	83	93	111
Currently Available Water Supplies						
Trinidad City Lake	450	450	450	450	450	450
Total Current Supplies	450	450	450	450	450	450
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	1	1	1	1	2	2
Total Water Management Strategies	1	1	1	1	2	2
Reserve (Shortage)	360	365	368	368	359	341

**Table C-335
Trophy Club**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	14,000	14,000	14,000	14,000	14,000	14,000
Projected Water Demand						
Municipal Demand	6,125	6,094	6,075	6,064	6,061	6,060
Total Projected Demand	6,125	6,094	6,075	6,064	6,061	6,060
Currently Available Water Supplies						
Trinity Aquifer	600	0	0	0	0	0
Fort Worth (TRWD)	5,259	4,915	4,152	3,733	3,414	3,138
Total Current Supplies	5,859	4,915	4,152	3,733	3,414	3,138
Need (Demand - Current Supply)	266	1,179	1,923	2,331	2,647	2,922
Water Management Strategies						
Water Conservation	233	283	302	322	342	362
Additional Water from Fort Worth	33	896	1,621	2,009	2,305	2,560
<i>Phase I-Increase delivery infrastructure from Ft Worth; joint project with Ft Worth, Westlake, Trophy Club</i>	33	896	1,621	2,009	2,305	2,560
<i>Phase II-Increase delivery infrastructure from Ft Worth; 24" line</i>	33	896	1,621	2,009	2,305	2,560
Total Water Management Strategies	266	1,179	1,923	2,331	2,647	2,922
Reserve (Shortage)	0	0	0	0	0	0

**Table C-336
Two Way Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,394	8,221	10,020	12,085	16,000	20,000
Projected Water Demand						
Municipal Demand	710	884	1,060	1,268	1,674	2,090
Total Projected Demand	710	884	1,060	1,268	1,674	2,090
Currently Available Water Supplies						
Trinity Aquifer	710	710	710	710	710	710
Total Current Supplies	710	710	710	710	710	710
Need (Demand - Current Supply)	0	174	350	558	964	1,380
Water Management Strategies						
Water Conservation	6	9	11	17	28	42
Grayson Co Water Supply Project (Northwest WTP)	0	165	339	541	936	1,338
Total Water Management Strategies	6	174	350	558	964	1,380
Reserve (Shortage)	6	0	0	0	0	0

**Table C-337
University Park**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	25,688	25,688	25,688	25,688	25,688	25,688
Projected Water Demand						
Municipal Demand	7,622	7,515	7,427	7,379	7,371	7,370
Total Projected Demand	7,622	7,515	7,427	7,379	7,371	7,370
Currently Available Water Supplies						
Dallas County Park Cities MUD	7,558	7,427	7,353	7,281	7,248	7,223
Total Current Supplies	7,558	7,427	7,353	7,281	7,248	7,223
Need (Demand - Current Supply)	64	88	74	98	123	147
Water Management Strategies						
Water Conservation	64	88	74	98	123	147
Total Water Management Strategies	64	88	74	98	123	147
Reserve (Shortage)	0	0	0	0	0	0

**Table C-338
Valley View**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	820	880	926	972	1,010	1,043
Projected Water Demand						
Municipal Demand	56	60	63	66	68	71
Total Projected Demand	56	60	63	66	68	71
Currently Available Water Supplies						
Trinity Aquifer	56	56	56	56	56	56
Total Current Supplies	56	56	56	56	56	56
Need (Demand - Current Supply)	0	4	7	10	12	15
Water Management Strategies						
Water Conservation	0	1	1	1	1	1
Connect to Gainesville System	0	3	6	9	11	14
Total Water Management Strategies	0	4	7	10	12	15
Reserve (Shortage)	0	0	0	0	0	0

**Table C-339
Van Alstyne**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,735	4,530	5,314	6,214	18,000	25,000
Projected Water Demand						
Municipal Demand	517	608	700	811	2,337	3,243
Total Projected Demand	517	608	700	811	2,337	3,243
Currently Available Water Supplies						
Trinity Aquifer	0	0	0	0	0	0
Woodbine Aquifer	517	517	517	517	517	517
Greater Texoma Utility Authority (Collin-Grayson Municipal Alliance Pipeline from NTMWD)	0	70	129	196	1,135	1,291
Total Current Supplies	517	587	646	713	1,652	1,808
Need (Demand - Current Supply)	0	21	54	98	685	1,435
Water Management Strategies						
Water Conservation	4	7	7	11	39	65
Additional Water from GTUA and Expanded CGMA Pipeline	0	14	47	87	646	1,370
<i>Water System Improvements to take delivery of water from GTUA</i>	0	14	47	87	646	1,370
Total Water Management Strategies	4	21	54	98	685	1,435
Reserve (Shortage)	4	0	0	0	0	0

Table C-340
Venus (Regions C and G)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,418	3,954	4,510	5,122	5,785	6,499
Projected Water Demand						
Municipal Demand	640	730	826	935	1,053	1,182
Total Projected Demand	640	730	826	935	1,053	1,182
Currently Available Water Supplies						
Woodbine Aquifer (Region G)	211	211	211	211	211	211
Midlothian	405	403	379	369	364	367
Total Current Supplies	616	614	590	580	575	578
Need (Demand - Current Supply)	24	116	236	355	478	604
Water Management Strategies						
Water Conservation	0	1	1	1	1	2
Additional Water from Midlothian	24	115	235	354	477	602
Total Water Management Strategies	24	116	236	355	478	604
Reserve (Shortage)	0	0	0	0	0	0

Table C-341
Virginia Hill Water Supply Corporation (Regions C and I)

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,526	2,898	3,208	3,617	4,000	4,500
Projected Water Demand						
Municipal Demand	420	460	494	548	602	667
Total Projected Demand	420	460	494	548	602	667
Currently Available Water Supplies						
Carrizo-Wilcox Aquifer	387	387	388	387	388	394
Carrizo-Wilcox Aquifer (to Region I portion)	280	280	279	280	279	273
Total Current Supplies	667	667	667	667	667	667
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	3	4	6	8
Total Water Management Strategies	2	3	3	4	6	8
Reserve (Shortage)	249	210	176	123	71	8

**Table C-342
Walnut Creek Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (Outside of Cities)	23,333	28,376	34,064	43,809	65,000	85,000
Projected Water Demand						
Municipal Demand	1,745	2,035	2,386	3,029	4,470	5,835
Customer Demand	834	1,036	1,324	2,013	2,813	3,632
Potential future customer demand	48	139	272	440	669	943
Total Projected Demand	2,627	3,210	3,982	5,482	7,952	10,410
Currently Available Water Supplies						
TRWD (limited by WTP capacity)	2,627	2,922	3,203	3,897	4,480	4,480
Total Current Supplies	2,627	2,922	3,203	3,897	4,480	4,480
Need (Demand - Current Supply)	0	288	779	1,585	3,472	5,930
Water Management Strategies						
Water Conservation	15	22	24	40	75	117
Water Conservation (customers)	25	49	68	70	106	151
Additional TRWD with infrastructure below:	0	218	686	1,476	3,291	5,662
<i>6 MGD WTP New</i>	0	218	686	1,476	3,291	3,363
<i>0 MGD WTP Expansion-2</i>	0	0	0	0	0	0
<i>0 MGD WTP Expansion-3</i>	0	0	0	0	0	0
<i>New 12 MGD Eagle Mountain WTP</i>	0	0	0	0	0	2,299
Total Water Management Strategies	40	288	779	1,585	3,472	5,930
Reserve (Shortage)	40	0	0	0	0	0

Note: See Appendix H for details of demands.

**Table C-343
Watauga**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	25,000	25,000	25,000	25,000	25,000	25,000
Projected Water Demand						
Municipal Demand	2,899	2,794	2,707	2,659	2,650	2,650
Total Projected Demand	2,899	2,794	2,707	2,659	2,650	2,650
Currently Available Water Supplies						
North Richland Hills (from Fort Worth/TRWD)	2,759	2,253	1,850	1,637	1,493	1,372
Total Current Supplies	2,759	2,253	1,850	1,637	1,493	1,372
Need (Demand - Current Supply)	140	541	857	1,022	1,157	1,278
Water Management Strategies						
Water Conservation	24	33	27	35	44	53
Additional Water from North Richland Hills (Ft Worth/TRWD)	116	508	830	987	1,113	1,225
<i>Increase in delivery infrastructure from Fort Worth (jointly with N. Richland Hills)</i>	<i>See North Richland Hills</i>					
Total Water Management Strategies	140	541	857	1,022	1,157	1,278
Reserve (Shortage)	0	0	0	0	0	0

**Table C-344
Waxahachie**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	37,700	43,300	52,800	64,400	78,500	95,500
Projected Water Demand						
Municipal Demand	6,872	7,741	9,320	11,299	13,749	16,715
Manufacturing and Customer Demand	3,777	3,941	6,436	9,181	10,863	12,740
Total Projected Demand	10,649	11,682	15,756	20,480	24,612	29,455
Currently Available Water Supplies						
<i>Rockett (Retail Connections)</i>	427	343	275	234	187	137
<i>Lake Bardwell</i>	4,320	4,183	3,989	3,794	3,600	3,569
<i>Lake Waxahachie</i>	2,800	2,695	2,590	2,485	2,380	2,275
<i>Reuse</i>	3,479	3,882	4,614	5,129	5,129	5,129
<i>TRWD through TRA for Sokoll</i>	2,500	2,275	2,011	4,419	5,212	5,212
Total Current Supplies	13,526	13,378	13,479	16,061	16,508	16,322
Total Current Supplies limited by WTP Capacity	13,016	12,707	12,375	14,742	15,488	15,438
Need (Demand - Current Supply)	0	0	3,381	5,738	9,124	14,017
Water Management Strategies						
Water Conservation	130	211	292	392	525	695
Water Conservation (customers)	33	55	92	158	273	457
Add'l Rockett for retail connections	186	270	338	379	426	476
Dredge Lake Waxahachie	0	705	705	705	705	705
Add'l TRWD with infrastructure as detailed in Section 5C.	0	0	2,659	4,809	7,900	12,389
Total Water Management Strategies	349	1,241	4,086	6,443	9,829	14,722
Reserve (Shortage)	2,716	2,266	705	705	705	705

Note: See Appendix H for details of demands.

**Table C-345
Weatherford**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population (In City Only)	30,184	36,157	42,908	70,000	110,000	160,720
Projected Water Demand						
Municipal Demand	5,307	6,213	7,273	11,769	18,457	26,947
Manufacturing and Customer Demand	1,033	1,376	1,736	3,675	5,372	7,531
Total Projected Demand	6,340	7,589	9,009	15,444	23,829	34,478
Currently Available Water Supplies						
Lake Weatherford	2,923	2,880	2,837	2,793	2,750	2,707
TRWD	1,162	2,077	2,862	5,826	8,824	8,770
Total Current Supplies	4,085	4,957	5,699	8,619	11,574	11,477
Total Current Supplies limited by WTP Capacity	4,085	4,957	5,699	7,860	7,860	7,860
Need (Demand - Current Supply)	2,255	2,632	3,310	6,825	12,254	23,000
Water Management Strategies						
Water Conservation	141	299	385	676	1,134	1,756
Water Conservation (customers)	21	38	57	79	105	136
Indirect Reuse - Lake Weatherford/Sunshine	2,240	2,240	2,240	2,240	2,240	2,240
Add'l Water from TRWD	0	55	628	4,589	12,490	22,486
Infrastructure as detailed in Section 5C.						
Total Water Management Strategies	2,402	2,632	3,310	7,584	15,969	26,618
Reserve (Shortage)	147	0	0	0	0	0

Note: See Appendix H for details of demands.

Table C-346
West Cedar Creek Municipal Utility District

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population						
Outside of Cities	19,712	22,172	24,987	28,228	36,000	50,000
Kemp	1,734	2,172	2,674	3,252	5,000	7,000
Seven Points	1,605	1,881	2,162	2,737	3,238	3,784
Tool	2,438	2,618	2,769	2,968	4,500	6,000
Total Population Served	25,489	28,843	32,592	37,185	48,738	66,784
Projected Water Demand						
Municipal Demand	1,326	1,491	1,681	1,898	2,421	3,362
Kemp	308	376	456	551	845	1,182
Seven Points	355	409	465	586	692	808
Tool	553	583	607	646	976	1,300
Total Projected Demand	2,542	2,859	3,209	3,681	4,934	6,652
Currently Available Water Supplies						
TRWD (limited by contract)	2,220	2,220	2,220	2,220	2,220	2,220
Total Current Supplies	2,220	2,220	2,220	2,220	2,220	2,220
Need (Demand - Current Supply)	322	639	989	1,461	2,714	4,432
Water Management Strategies						
Water Conservation	11	17	17	25	40	67
Water Conservation (customers)	28	56	70	90	137	195
Additional Water from TRWD with Contract Increase & Treatment Plants as follows:	283	566	902	1,346	2,537	4,170
<i>6 MGD WTP Expansion</i>				427	1,618	3,251
<i>Expand Infrastructure to take delivery from TRWD (Cedar Creek Lake)</i>				427	1,618	3,251
<i>Infrastructure to delivery to customers</i>				427	1,618	3,251
Total Water Management Strategies	322	639	989	1,461	2,714	4,432
Reserve (Shortage)	0	0	0	0	0	0

**Table C-347
West Wise Special Utility District**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,459	3,580	3,705	3,835	3,969	4,108
Projected Water Demand						
Municipal Demand	425	424	427	435	449	464
Demand for Chico	14	20	28	218	329	459
Total Projected Demand	439	444	455	653	778	923
Currently Available Water Supplies						
Tarrant Regional Water District (direct 95% and through Walnut Creek SUD 5%)	425	386	344	310	283	260
Tarrant Regional WD (direct 95% and through Walnut Creek SUD 5%) for Chico	13	13	13	13	13	13
Total Current Supplies	438	399	357	323	296	273
Need (Demand - Current Supply)	1	45	98	330	482	650
Water Management Strategies						
Water Conservation (West Wise SUD only)	4	5	4	6	7	9
Additional Water from TRWD with infrastructure below:	0	40	94	324	475	641
<i>0.8 MGD Water Treatment Plant Expansion</i>				54	172	308
Total Water Management Strategies	4	45	98	330	482	650
Reserve (Shortage)	3	0	0	0	0	0

**Table C-348
Westlake**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,200	1,800	2,609	3,144	3,682	4,211
Projected Water Demand						
Municipal Demand	1,388	2,078	3,007	3,623	4,242	4,850
Total Projected Demand	1,388	2,078	3,007	3,623	4,242	4,850
Currently Available Water Supplies						
Fort Worth (TRWD)	1,321	1,676	2,055	2,230	2,390	2,512
Total Current Supplies	1,321	1,676	2,055	2,230	2,390	2,512
Need (Demand - Current Supply)	67	402	952	1,393	1,852	2,338
Water Management Strategies						
Water Conservation	25	52	90	121	156	194
Additional Ft Worth (TRWD)	42	350	862	1,272	1,696	2,144
<i>Increase delivery infrastructure from Ft Worth; joint project with Ft Worth, Westlake, Trophy Club</i>	42	705	1,596	2,181	2,765	3,335
Total Water Management Strategies	67	402	952	1,393	1,852	2,338
Reserve (Shortage)	0	0	0	0	0	0

**Table C-349
Weston**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,370	7,159	32,647	79,837	127,026	127,026
Projected Water Demand						
Municipal Demand	506	1,060	4,814	11,768	18,723	18,721
Total Projected Demand	506	1,060	4,814	11,768	18,723	18,721
Currently Available Water Supplies						
Woodbine Aquifer	435	435	435	435	435	435
Total Current Supplies	435	435	435	435	435	435
Need (Demand - Current Supply)	71	625	4,379	11,333	18,288	18,286
Water Management Strategies						
Water Conservation	4	10	48	157	312	374
New Wells in Woodbine Aquifer	71	71	71	71	71	71
Connect to North Texas Municipal Water District	0	829	4,600	11,501	18,301	18,237
Total Water Management Strategies	75	910	4,719	11,729	18,684	18,682
Reserve (Shortage)	4	285	340	396	396	396

**Table C-350
Westover Hills**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	698	715	732	749	766	782
Projected Water Demand						
Municipal Demand	952	972	992	1,013	1,036	1,058
Total Projected Demand	952	972	992	1,013	1,036	1,058
Currently Available Water Supplies						
Fort Worth (TRWD)	906	784	678	624	584	548
Total Current Supplies	906	784	678	624	584	548
Need (Demand - Current Supply)	46	188	314	389	452	510
Water Management Strategies						
Water Conservation	39	85	90	95	101	107
Additional Water from Fort Worth	7	103	224	294	351	403
Total Water Management Strategies	46	188	314	389	452	510
Reserve (Shortage)	0	0	0	0	0	0

**Table C-351
Westworth Village**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	2,700	2,945	3,187	3,422	3,658	3,889
Projected Water Demand						
Municipal Demand	395	417	441	468	499	530
Total Projected Demand	395	417	441	468	499	530
Currently Available Water Supplies						
Fort Worth (TRWD)	376	336	301	288	281	274
Total Current Supplies	376	336	301	288	281	274
Need (Demand - Current Supply)	19	81	140	180	218	256
Water Management Strategies						
Water Conservation	3	5	4	6	8	11
Additional Water from Fort Worth	16	76	136	174	210	245
Total Water Management Strategies	19	81	140	180	218	256
Reserve (Shortage)	0	0	0	0	0	0

**Table C-352
White Settlement**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	16,957	17,858	18,750	22,000	28,000	34,000
Projected Water Demand						
Municipal Demand	2,081	2,108	2,146	2,472	3,132	3,798
Total Projected Demand	2,081	2,108	2,146	2,472	3,132	3,798
Currently Available Water Supplies						
Trinity Aquifer	1,040	1,040	1,040	1,040	1,040	1,040
Fort Worth (TRWD)	991	861	756	881	1,178	1,428
Total Current Supplies	2,031	1,901	1,796	1,921	2,218	2,468
Need (Demand - Current Supply)	50	207	350	551	914	1,330
Water Management Strategies						
Water Conservation	17	24	21	33	52	76
Additional Water from Fort Worth	33	183	329	518	862	1,254
Total Water Management Strategies	50	207	350	551	914	1,330
Reserve (Shortage)	0	0	0	0	0	0

**Table C-353
Whitesboro**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	3,834	3,882	3,929	3,983	5,000	6,500
Projected Water Demand						
Municipal Demand	469	458	450	449	560	726
Total Projected Demand	469	458	450	449	560	726
Currently Available Water Supplies						
Trinity Aquifer	547	547	547	547	547	547
Total Current Supplies	547	547	547	547	547	547
Need (Demand - Current Supply)	0	0	0	0	13	179
Water Management Strategies						
Water Conservation	4	5	5	6	9	15
Grayson County Water Supply Project (Northwest WTP)	0	0	0	0	4	164
Total Water Management Strategies	4	5	5	6	13	179
Reserve (Shortage)	82	94	102	104	0	0
Alternate Water Management Strategies						
Grayson County Water Supply Project (Sherman WTP)	0	0	0	0	4	164

**Table C-354
Whitewright**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,605	1,625	1,645	1,665	1,765	1,865
Projected Water Demand						
Municipal Demand	222	216	212	212	224	237
Total Projected Demand	222	216	212	212	224	237
Currently Available Water Supplies						
Woodbine Aquifer	284	284	284	284	284	284
Total Current Supplies	284	284	284	284	284	284
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
Water Conservation	2	3	2	3	4	5
Grayson County Water Supply Project (Sherman WTP)	0	0	48	47	96	95
Total Water Management Strategies	2	3	50	50	100	100
Reserve (Shortage)	64	71	122	122	160	147

**Table C-355
Willow Park**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,877	5,960	7,184	10,000	13,000	16,000
Projected Water Demand						
Municipal Demand	759	904	1,074	1,483	1,924	2,366
Total Projected Demand	759	904	1,074	1,483	1,924	2,366
Currently Available Water Supplies						
Trinity Aquifer	757	757	757	757	757	757
Total Current Supplies	757	757	757	757	757	757
Need (Demand - Current Supply)	2	147	317	726	1,167	1,609
Water Management Strategies						
Water Conservation	6	10	11	20	32	47
Weatherford (TRWD) initial connection	0	137	306	706	1,135	1,562
Total Water Management Strategies	6	147	317	726	1,167	1,609
Reserve (Shortage)	4	0	0	0	0	0
Alternate Water Management Strategies						
Fort Worth (TRWD)	0	137	306	706	1,135	1,562

**Table C-356
Wilmer**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	4,203	4,698	7,500	14,000	22,000	40,000
Projected Water Demand						
Municipal Demand	433	466	718	1,323	2,073	3,763
Total Projected Demand	433	466	718	1,323	2,073	3,763
Currently Available Water Supplies						
Trinity Aquifer	29	29	29	29	29	29
Hutchins (DWU)	193	190				
Total Current Supplies	222	219	29	29	29	29
Need (Demand - Current Supply)	211	247	689	1,294	2,044	3,734
Water Management Strategies						
Water Conservation	4	5	7	18	35	75
New Connection to Dallas (via Lancaster)	207	242	300	400	600	800
Direct Connection to Dallas 36" Transmission Line			382	876	1,409	2,859
Total Water Management Strategies	211	247	689	1,294	2,044	3,734
Reserve (Shortage)	0	0	0	0	0	0

**Table C-357
Wise County Irrigation**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,324	1,324	1,324	1,324	1,324	1,324
Currently Available Water Supplies						
Local Supplies	139	139	139	139	139	139
Trinity Aquifer	680	680	680	680	680	680
Tarrant Regional Water District	124	124	124	124	124	124
Total Current Supplies	943	943	943	943	943	943
Need (Demand - Current Supply)	381	381	381	381	381	381
Water Management Strategies						
Water Conservation	0	0	1	1	1	1
Add'l TRWD (new contract)	406	406	405	405	405	405
Total Water Management Strategies	406	406	406	406	406	406
Reserve (Shortage)	25	25	25	25	25	25

**Table C-358
Wise County Livestock**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,575	1,575	1,575	1,575	1,575	1,575
Currently Available Water Supplies						
Trinity Aquifer	458	458	458	458	458	458
Local Supplies	1,117	1,117	1,117	1,117	1,117	1,117
Total Current Supplies	1,575	1,575	1,575	1,575	1,575	1,575
Need (Demand - Current Supply)	0	0	0	0	0	0
Water Management Strategies						
None						
Total Water Management Strategies	0	0	0	0	0	0
Reserve (Shortage)	0	0	0	0	0	0

**Table C-359
Wise County Manufacturing**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	2,660	2,979	3,277	3,539	3,858	4,206
Currently Available Water Supplies						
Trinity Aquifer	250	250	250	250	250	250
Tarrant Regional Water District direct	2,022	2,128	2,117	2,077	2,059	2,035
Tarrant Regional Water District (through Wise Co WSD)	138	128	117	83	70	62
Total Current Supplies	2,410	2,506	2,484	2,410	2,379	2,347
Need (Demand - Current Supply)	250	473	793	1,129	1,479	1,859
Water Management Strategies						
Water Conservation	0	0	1	1	1	1
Additional water from TRWD	0	223	542	878	1,228	1,608
New Wells in Trinity Aquifer	250	250	250	250	250	250
Total Water Management Strategies	250	473	793	1,129	1,479	1,859
Reserve (Shortage)	0	0	0	0	0	0

**Table C-360
Wise County Mining**

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	10,320	11,159	12,337	13,975	15,378	17,694
Currently Available Water Supplies						
Reuse	6,261	6,261	6,261	6,261	6,076	6,076
Run-of-river - Trinity	133	133	133	133	133	133
Trinity Aquifer	2,155	2,155	2,155	2,155	2,155	2,155
Tarrant Regional Water District (direct & thru Bridgeport)	2,896	2,896	2,896	2,896	2,896	2,896
Total Current Supplies	11,445	11,445	11,445	11,445	11,260	11,260
Need (Demand - Current Supply)	0	0	892	2,530	4,118	6,434
Water Management Strategies						
Add'l Water from TRWD (increase contract)	200	452	805	1,297	1,717	2,412
Reuse - Recycled water	0	0	87	1,234	2,401	4,022
Total Water Management Strategies	200	452	892	2,531	4,118	6,434
Reserve (Shortage)	1,325	738	0	1	0	0

**Table C-361
Wise County Other**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	30,543	30,543	30,543	45,000	58,000	70,000
Projected Water Demand						
Municipal Demand	3,667	3,565	3,485	5,039	6,465	7,794
Total Projected Water Demand	3,667	3,565	3,485	5,039	6,465	7,794
Currently Available Water Supplies						
Trinity Aquifer	2,584	2,584	2,584	2,584	2,584	2,584
Tarrant Regional Water District through Wise County WSD	506	374	284	540	667	733
Tarrant Regional Water District through Walnut Creek SUD	110	97	84	107	109	101
Total Current Supplies	3,200	3,055	2,952	3,231	3,360	3,418
Need (Demand - Current Supply)	467	510	533	1,808	3,105	4,376
Water Management Strategies						
Water Conservation	31	42	35	67	108	156
Additional TRWD	436	468	498	1,741	2,997	4,220
Total Water Management Strategies	467	510	533	1,808	3,105	4,376
Reserve (Shortage)	0	0	0	0	0	0

Table C-362
Wise County Steam Electric Power

(Values in Ac-Ft/Yr)	Projected Demand					
	2020	2030	2040	2050	2060	2070
Projected Water Demand	1,494	1,459	2,254	2,450	3,298	3,673
Currently Available Water Supplies						
Tarrant Regional Water District	1,494	1,328	1,813	1,741	2,091	2,078
Total Current Supplies	1,494	1,328	1,813	1,741	2,091	2,078
Need (Demand - Current Supply)	0	131	441	709	1,207	1,595
Water Management Strategies						
Additional Water from TRWD	0	131	441	709	1,207	1,595
Total Water Management Strategies	0	131	441	709	1,207	1,595
Reserve (Shortage)	0	0	0	0	0	0

Table C-363
Woodbine Water Supply Corporation

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	6,215	7,040	7,865	8,690	9,515	10,340
Projected Water Demand						
Municipal Demand	660	717	778	848	925	1,004
Total Projected Demand	660	717	778	848	925	1,004
Currently Available Water Supplies						
Trinity Aquifer	667	667	667	667	667	667
Total Current Supplies	667	667	667	667	667	667
Need (Demand - Current Supply)	0	50	111	181	258	337
Water Management Strategies						
Water Conservation	6	8	8	11	15	20
Connect to Gainesville system	0	42	103	170	243	317
Total Water Management Strategies	6	50	111	181	258	337
Reserve (Shortage)	13	0	0	0	0	0

**Table C-364
Wortham**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,175	1,267	1,331	1,378	2,300	2,600
Projected Water Demand						
Municipal Demand	168	175	179	183	303	343
Total Projected Demand	168	175	179	183	303	343
Currently Available Water Supplies						
Mexia	157	157	157	157	157	157
Total Current Supplies	157	157	157	157	157	157
Need (Demand - Current Supply)	11	18	22	26	146	186
Water Management Strategies						
Water Conservation	1	2	2	2	5	7
Additional supply from Mexia (Reg G)	10	16	20	24	141	179
Total Water Management Strategies	11	18	22	26	146	186
Reserve (Shortage)	0	0	0	0	0	0

**Table C-365
Wylie**

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	48,484	54,198	58,000	61,000	63,000	65,000
Projected Water Demand						
Municipal Demand	7,308	8,052	8,552	8,954	9,230	9,519
Manufacturing Demand (1% Collin Co)	35	39	43	47	51	55
Total Projected Demand	7,343	8,091	8,595	9,001	9,281	9,574
Currently Available Water Supplies						
North Texas Municipal Water District	6,733	6,170	6,041	5,961	5,758	5,498
NTMWD (for Manufacturing)	32	30	31	31	32	32
Total Current Supplies	6,765	6,200	6,072	5,992	5,790	5,530
Need (Demand - Current Supply)	578	1,891	2,523	3,009	3,491	4,044
Water Management Strategies						
Water Conservation	61	90	86	119	154	190
Water Conservation - manufacturing	0	0	1	1	1	2
Additional Water from NTMWD	514	1,792	2,425	2,874	3,318	3,831
Add'l Water from NTMWD for Manf	3	9	11	15	18	21
Total Water Management Strategies	578	1,891	2,523	3,009	3,491	4,044
Reserve (Shortage)	0	0	0	0	0	0

Table C-366
Wylie Northeast Special Utility District

(Values in Ac-Ft/Yr)	Projected Population and Demand					
	2020	2030	2040	2050	2060	2070
Projected Population	1,889	2,390	3,000	6,000	10,000	16,000
St. Paul Population	1,965	2,255	2,453	2,559	2,666	2,666
Collin County Other Population	1,813	4,022	4,714	2,358	0	0
Total Population	5,667	8,667	10,167	10,917	12,666	18,666
Projected Water Demand						
Municipal Demand	257	319	396	785	1,305	2,086
St. Paul	265	298	322	334	348	347
Collin County Other	0	111	136	0	0	0
Total Projected Demand	522	728	854	1,119	1,653	2,433
Currently Available Water Supplies						
NTWMD	237	244	280	523	814	1,205
NTWMD for St. Paul	244	228	227	222	217	200
NTWMD for Collin County Other	0	85	96	0	0	0
Total Current Supplies	481	558	603	745	1,031	1,405
Need (Demand - Current Supply)	41	170	251	374	622	1,028
Water Management Strategies						
Water Conservation	2	3	4	10	22	42
Water Conservation (St. Paul)	2	3	3	4	6	7
Water Conservation (Collin Co Other)	0	1	1	0	0	0
Additional Water from NTMWD	18	72	112	252	469	839
Additional Water from NTMWD for St. Paul	19	67	92	108	125	140
Additional Water from NTMWD for Collin County Other	0	25	39	0	0	0
<i>Increase delivery infrastructure from NTWMD</i>	<i>37</i>	<i>163</i>	<i>243</i>	<i>360</i>	<i>594</i>	<i>979</i>
Total Water Management Strategies	41	170	251	374	622	1,028
Reserve (Shortage)	0	0	0	0	0	0