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**Table 4-10
Falls County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		18,576	19,600	20,884	22,196	23,350	24,267	25,346

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		Municipal	Municipal Demand	3,895	3,993	4,132	4,271	4,388
	Municipal Existing Supply							
	Groundwater	274	274	274	274	274	274	274
	Surface water	5,111	5,111	5,111	5,111	5,111	5,111	2,506
	Total Existing Municipal Supply	5,385	5,385	5,385	5,385	5,385	5,385	2,780
	Municipal Balance	1,490	1,392	1,253	1,114	997	889	(1,883)
Industrial	Manufacturing Demand	2	2	2	2	2	2	2
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	47	47	47	47	47	47	47
	Total Manufacturing Supply	47	47	47	47	47	47	47
	Manufacturing Balance	45	45	45	45	45	45	45
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
	Mining Demand	133	101	95	91	88	85	83
	Mining Existing Supply							
	Groundwater	133	101	95	91	88	85	83
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	133	101	95	91	88	85	83
	Mining Balance	0	0	0	0	0	0	0
Agriculture	Irrigation Demand	1,928	1,866	1,806	1,748	1,691	1,637	1,584
	Irrigation Existing Supply							
	Groundwater	1,166	1,129	1,093	1,058	1,023	990	958
	Surface water	5,010	5,005	5,001	4,996	4,991	4,987	4,982
	Total Irrigation Supply	6,176	6,134	6,094	6,054	6,014	5,977	5,940
	Irrigation Balance	4,248	4,268	4,288	4,306	4,323	4,340	4,356
	Livestock Demand	1,626	1,626	1,626	1,626	1,626	1,626	1,626
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,626	1,626	1,626	1,626	1,626	1,626	1,626
	Total Livestock Supply	1,626	1,626	1,626	1,626	1,626	1,626	1,626
	Livestock Balance	0	0	0	0	0	0	0
Total	Municipal & Industrial Demand	4,030	4,096	4,229	4,364	4,478	4,583	4,748
	Existing Municipal & Industrial Supply							
	Groundwater	407	375	369	365	362	359	357
	Surface water	5,158	5,158	5,158	5,158	5,158	5,158	2,553
	Total Municipal & Industrial Supply	5,565	5,533	5,527	5,523	5,520	5,517	2,910
	Municipal & Industrial Balance	1,535	1,437	1,298	1,159	1,042	934	(1,838)
	Agriculture Demand	3,554	3,492	3,432	3,374	3,317	3,263	3,210
	Existing Agricultural Supply							
	Groundwater	1,166	1,129	1,093	1,058	1,023	990	958
	Surface water	6,636	6,631	6,627	6,622	6,617	6,613	6,608
	Total Agriculture Supply	7,802	7,760	7,720	7,680	7,640	7,603	7,566
	Agriculture Balance	4,248	4,268	4,288	4,306	4,323	4,340	4,356
	Total Demand	7,584	7,588	7,661	7,738	7,795	7,846	7,958
	Total Supply							
	Groundwater	1,573	1,504	1,462	1,423	1,385	1,349	1,315
	Surface water	11,794	11,789	11,785	11,780	11,775	11,771	9,161
	Total Supply	13,367	13,293	13,247	13,203	13,160	13,120	10,476
	Total Balance	5,783	5,705	5,586	5,465	5,365	5,274	2,518

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**Table 4-11
Fisher County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		4,344	4,264	4,259	4,097	3,972	3,910	3,717

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	689	656	641	592	550	530	489
	Municipal Existing Supply							
	Groundwater	249	249	249	249	249	249	249
	Surface water	870	857	850	828	810	801	782
	Total Existing Municipal Supply	1,119	1,106	1,099	1,077	1,059	1,050	1,031
	Municipal Balance	430	450	458	485	509	520	542
Industrial	Manufacturing Demand	158	192	225	255	284	310	336
	Manufacturing Existing Supply							
	Groundwater	100	100	100	100	100	100	100
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	100	100	100	100	100	100	100
	Manufacturing Balance	(58)	(92)	(125)	(155)	(184)	(210)	(236)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
	Mining Demand	468	375	359	354	349	344	337
	Mining Existing Supply							
	Groundwater	468	375	359	354	349	344	337
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	468	375	359	354	349	344	337	
Mining Balance	0	0	0	0	0	0	0	
Agriculture	Irrigation Demand	2,459	2,386	2,314	2,245	2,178	2,113	2,049
	Irrigation Existing Supply							
	Groundwater	2,252	2,186	2,120	2,056	1,995	1,936	1,877
	Surface water	772	770	767	765	763	760	758
	Total Irrigation Supply	3,024	2,956	2,887	2,821	2,758	2,696	2,635
	Irrigation Balance	565	570	573	576	580	583	586
	Livestock Demand	585	585	585	585	585	585	585
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	585	585	585	585	585	585	585
Total Livestock Supply	585	585	585	585	585	585	585	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	1,315	1,223	1,225	1,201	1,183	1,184	1,162
	Existing Municipal & Industrial Supply							
	Groundwater	817	724	708	703	698	693	686
	Surface water	870	857	850	828	810	801	782
	Total Municipal & Industrial Supply	1,687	1,581	1,558	1,531	1,508	1,494	1,468
	Municipal & Industrial Balance	372	358	333	330	325	310	306
	Agriculture Demand	3,044	2,971	2,899	2,830	2,763	2,698	2,634
	Existing Agricultural Supply							
	Groundwater	2,252	2,186	2,120	2,056	1,995	1,936	1,877
	Surface water	1,357	1,355	1,352	1,350	1,348	1,345	1,343
	Total Agriculture Supply	3,609	3,541	3,472	3,406	3,343	3,281	3,220
	Agriculture Balance	565	570	573	576	580	583	586
	Total Demand	4,359	4,194	4,124	4,031	3,946	3,882	3,796
	Total Supply							
	Groundwater	3,069	2,910	2,828	2,759	2,693	2,629	2,563
Surface water	2,227	2,212	2,202	2,178	2,158	2,146	2,125	
Total Supply	5,296	5,122	5,030	4,937	4,851	4,775	4,688	
Total Balance	937	928	906	906	905	893	892	

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**Table 4-12
Grimes County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		23,552	26,635	30,073	32,785	34,670	36,176	37,657
Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	2,923	3,320	3,629	3,855	3,983	4,129	4,302
	Municipal Existing Supply							
	Groundwater	3,580	3,580	3,580	3,580	3,580	3,580	3,580
	Surface water	0	0	0	0	0	0	0
	Total Existing Municipal Supply	3,580	3,580	3,580	3,580	3,580	3,580	3,580
	Municipal Balance	657	260	(49)	(275)	(403)	(549)	(722)
Industrial	Manufacturing Demand	197	257	297	336	375	410	445
	Manufacturing Existing Supply							
	Groundwater	256	256	256	256	256	256	256
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	256	256	256	256	256	256	256
	Manufacturing Balance	59	(1)	(41)	(80)	(119)	(154)	(189)
	Steam-Electric Demand	4,405	9,302	11,768	13,758	16,184	19,141	22,746
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	9,739	19,739	19,739	19,739	19,739	19,739	19,739
	Total Steam-Electric Supply	9,739	19,739	19,739	19,739	19,739	19,739	19,739
Steam-Electric Balance	5,334	10,437	7,971	5,981	3,555	598	(3,007)	
Mining Demand	158	166	169	171	173	174	175	
Mining Existing Supply								
Groundwater	158	165	168	171	173	174	176	
Surface water	50	50	50	50	50	50	50	
Total Mining Supply	208	215	218	221	223	224	226	
Mining Balance	50	49	49	50	50	50	51	
Agriculture	Irrigation Demand	241	241	241	241	241	241	241
	Irrigation Existing Supply							
	Groundwater	112	112	112	112	112	112	112
	Surface water	1,079	1,079	1,079	1,079	1,079	1,079	1,079
	Total Irrigation Supply	1,191	1,191	1,191	1,191	1,191	1,191	1,191
	Irrigation Balance	950	950	950	950	950	950	950
	Livestock Demand	1,554	1,554	1,554	1,554	1,554	1,554	1,554
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,554	1,554	1,554	1,554	1,554	1,554	1,554
Total Livestock Supply	1,554	1,554	1,554	1,554	1,554	1,554	1,554	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	7,683	13,045	15,863	18,120	20,715	23,854	27,668
	Existing Municipal & Industrial Supply							
	Groundwater	3,994	4,001	4,004	4,007	4,009	4,010	4,012
	Surface water	9,789	19,789	19,789	19,789	19,789	19,789	19,789
	Total Municipal & Industrial Supply	13,783	23,790	23,793	23,796	23,798	23,799	23,801
	Municipal & Industrial Balance	6,100	10,745	7,930	5,676	3,083	(55)	(3,867)
	Agriculture Demand	1,795	1,795	1,795	1,795	1,795	1,795	1,795
	Existing Agricultural Supply							
	Groundwater	112	112	112	112	112	112	112
	Surface water	2,633	2,633	2,633	2,633	2,633	2,633	2,633
	Total Agriculture Supply	2,745	2,745	2,745	2,745	2,745	2,745	2,745
	Agriculture Balance	950	950	950	950	950	950	950
	Total Demand	9,478	14,840	17,658	19,915	22,510	25,649	29,463
	Total Supply							
Groundwater	4,106	4,113	4,116	4,119	4,121	4,122	4,124	
Surface water	12,422	22,422	22,422	22,422	22,422	22,422	22,422	
Total Supply	16,528	26,535	26,538	26,541	26,543	26,544	26,546	
Total Balance	7,050	11,695	8,880	6,626	4,033	895	(2,917)	

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**Table 4-13
Hamilton County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		8,229	7,790	7,681	7,596	7,624	7,512	7,504

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	1,360	1,279	1,239	1,199	1,176	1,146	1,145
	Municipal Existing Supply							
	Groundwater	947	947	947	947	947	947	947
	Surface water	1,046	1,046	1,046	1,046	1,046	1,046	1,046
	Total Existing Municipal Supply	1,993	1,993	1,993	1,993	1,993	1,993	1,993
	Municipal Balance	633	714	754	794	817	847	848
Industrial	Manufacturing Demand	3	4	5	6	7	8	9
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	0	0	0	0	0	0	0
	Manufacturing Balance	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
	Mining Demand	0	0	0	0	0	0	0
Mining Existing Supply								
Groundwater	0	0	0	0	0	0	0	
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	0	0	0	0	0	0	0	
Mining Balance	0	0	0	0	0	0	0	
Agriculture	Irrigation Demand	483	475	467	464	456	434	413
	Irrigation Existing Supply							
	Groundwater	189	186	183	182	179	170	162
	Surface water	3,309	3,308	3,306	3,305	3,304	3,302	3,301
	Total Irrigation Supply	3,498	3,494	3,489	3,487	3,483	3,472	3,463
	Irrigation Balance	3,015	3,019	3,022	3,023	3,027	3,038	3,050
	Livestock Demand	1,961	1,961	1,961	1,961	1,961	1,961	1,961
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,961	1,961	1,961	1,961	1,961	1,961	1,961
Total Livestock Supply	1,961	1,961	1,961	1,961	1,961	1,961	1,961	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	1,363	1,283	1,244	1,205	1,183	1,154	1,154
	Existing Municipal & Industrial Supply							
	Groundwater	947	947	947	947	947	947	947
	Surface water	1,046	1,046	1,046	1,046	1,046	1,046	1,046
	Total Municipal & Industrial Supply	1,993	1,993	1,993	1,993	1,993	1,993	1,993
	Municipal & Industrial Balance	630	710	749	788	810	839	839
	Agriculture Demand	2,444	2,436	2,428	2,425	2,417	2,395	2,374
	Existing Agricultural Supply							
	Groundwater	189	186	183	182	179	170	162
	Surface water	5,270	5,269	5,267	5,266	5,265	5,263	5,262
	Total Agriculture Supply	5,459	5,455	5,450	5,448	5,444	5,433	5,424
	Agriculture Balance	3,015	3,019	3,022	3,023	3,027	3,038	3,050
	Total Demand	3,807	3,719	3,672	3,630	3,600	3,549	3,528
	Total Supply							
	Groundwater	1,136	1,133	1,130	1,129	1,126	1,117	1,109
	Surface water	6,316	6,314	6,313	6,312	6,310	6,309	6,308
	Total Supply	7,452	7,447	7,443	7,441	7,436	7,426	7,417
Total Balance	3,645	3,728	3,771	3,811	3,836	3,877	3,889	

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**Table 4-14
Haskell County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		6,093	5,860	5,741	5,580	5,496	5,345	5,089

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	936	883	844	801	772	741	708
	Municipal Existing Supply							
	Groundwater	129	133	136	140	145	149	153
	Surface water	839	838	837	836	835	834	833
	Total Existing Municipal Supply	968	971	973	976	980	983	986
	Municipal Balance	32	88	129	175	208	242	278
Industrial	Manufacturing Demand	0	0	0	0	0	0	0
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	0	0	0	0	0	0	0
	Manufacturing Balance	0	0	0	0	0	0	0
	Steam-Electric Demand	507	422	336	393	462	547	650
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	537	537	537	537	537	537	537
	Total Steam-Electric Supply	537	537	537	537	537	537	537
	Steam-Electric Balance	30	115	201	144	75	(10)	(113)
	Mining Demand	101	93	91	90	89	88	87
	Mining Existing Supply							
	Groundwater	39	37	38	38	39	40	40
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	39	37	38	38	39	40	40
	Mining Balance	(62)	(56)	(53)	(52)	(50)	(48)	(47)
Agriculture	Irrigation Demand	50,820	49,309	47,844	46,422	45,040	43,702	42,405
	Irrigation Existing Supply							
	Groundwater	19,684	19,677	19,668	19,659	19,649	19,639	19,628
	Surface water	931	922	913	904	894	885	876
	Total Irrigation Supply	20,615	20,599	20,581	20,563	20,543	20,524	20,504
	Irrigation Balance	(30,205)	(28,710)	(27,263)	(25,860)	(24,497)	(23,178)	(21,901)
	Livestock Demand	492	492	492	492	492	492	492
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	492	492	492	492	492	492	492
	Total Livestock Supply	492	492	492	492	492	492	492
	Livestock Balance	0	0	0	0	0	0	0
Total	Municipal & Industrial Demand	1,544	1,398	1,271	1,284	1,323	1,376	1,445
	Existing Municipal & Industrial Supply							
	Groundwater	168	170	174	178	184	189	193
	Surface water	1,376	1,375	1,374	1,373	1,372	1,371	1,370
	Total Municipal & Industrial Supply	1,544	1,545	1,548	1,551	1,556	1,560	1,563
	Municipal & Industrial Balance	(0)	147	277	267	233	184	118
	Agriculture Demand	51,312	49,801	48,336	46,914	45,532	44,194	42,897
	Existing Agricultural Supply							
	Groundwater	19,684	19,677	19,668	19,659	19,649	19,639	19,628
	Surface water	1,423	1,414	1,405	1,396	1,386	1,377	1,368
	Total Agriculture Supply	21,107	21,091	21,073	21,055	21,035	21,016	20,996
	Agriculture Balance	(30,205)	(28,710)	(27,263)	(25,860)	(24,497)	(23,178)	(21,901)
	Total Demand	52,856	51,199	49,607	48,198	46,855	45,570	44,342
	Total Supply							
	Groundwater	19,852	19,847	19,842	19,837	19,833	19,828	19,821
	Surface water	2,799	2,788	2,778	2,768	2,758	2,748	2,738
	Total Supply	22,651	22,635	22,620	22,605	22,591	22,576	22,559
	Total Balance	(30,205)	(28,564)	(26,987)	(25,593)	(24,264)	(22,994)	(21,783)

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**Table 4-15
Hill County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		32,321	33,416	34,947	36,679	38,407	40,252	42,300

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		Municipal	Municipal Demand	4,790	4,862	5,000	5,164	5,331
Municipal Existing Supply								
Groundwater	2,373		2,373	2,373	2,373	2,373	2,373	2,373
Surface water	6,663		6,657	6,652	6,647	6,641	6,638	6,638
Total Existing Municipal Supply	9,036		9,030	9,025	9,020	9,014	9,011	9,011
Municipal Balance	4,246		4,168	4,025	3,856	3,683	3,438	3,119
Industrial	Manufacturing Demand	67	85	97	108	119	129	140
	Manufacturing Existing Supply							
	Groundwater	87	87	87	87	87	87	87
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	87	87	87	87	87	87	87
	Manufacturing Balance	20	2	(10)	(21)	(32)	(42)	(53)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
Mining	Mining Demand	118	100	96	94	92	90	89
	Mining Existing Supply							
	Groundwater	118	100	96	94	92	90	89
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	118	100	96	94	92	90	89
	Mining Balance	0	0	0	0	0	0	0
Agriculture	Irrigation Demand	43	43	42	42	42	42	41
	Irrigation Existing Supply							
	Groundwater	6	6	6	6	6	6	6
	Surface water	993	990	987	984	980	977	974
	Total Irrigation Supply	999	996	993	990	986	983	980
	Irrigation Balance	956	953	951	948	944	941	939
	Livestock Demand	1,401	1,401	1,401	1,401	1,401	1,401	1,401
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	1,401	1,401	1,401	1,401	1,401	1,401	1,401
Total Livestock Supply	1,401	1,401	1,401	1,401	1,401	1,401	1,401	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	4,975	5,047	5,193	5,366	5,542	5,792	6,121
	Existing Municipal & Industrial Supply							
	Groundwater	2,578	2,560	2,556	2,554	2,552	2,550	2,549
	Surface water	6,663	6,657	6,652	6,647	6,641	6,638	6,638
	Total Municipal & Industrial Supply	9,241	9,217	9,208	9,201	9,193	9,188	9,187
	Municipal & Industrial Balance	4,266	4,170	4,015	3,835	3,651	3,396	3,066
	Agriculture Demand	1,444	1,444	1,443	1,443	1,443	1,443	1,442
	Existing Agricultural Supply							
	Groundwater	6	6	6	6	6	6	6
	Surface water	2,394	2,391	2,388	2,385	2,381	2,378	2,375
	Total Agriculture Supply	2,400	2,397	2,394	2,391	2,387	2,384	2,381
	Agriculture Balance	956	953	951	948	944	941	939
	Total Demand	6,419	6,491	6,636	6,809	6,985	7,235	7,563
	Total Supply							
	Groundwater	2,584	2,566	2,562	2,560	2,558	2,556	2,555
	Surface water	9,057	9,048	9,040	9,032	9,023	9,017	9,013
Total Supply	11,641	11,614	11,602	11,592	11,581	11,573	11,568	
Total Balance	5,222	5,123	4,966	4,783	4,596	4,338	4,005	

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**Table 4-16
Hood County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		41,100	49,207	58,364	66,888	75,814	87,059	100,045

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		Municipal	Municipal Demand	7,794	9,135	10,666	12,077	13,616
	Municipal Existing Supply							
	Groundwater	5,486	5,495	5,500	5,504	5,509	5,513	5,519
	Surface water	25,365	25,365	25,365	25,365	25,365	25,365	25,365
	Total Existing Municipal Supply	30,851	30,860	30,865	30,869	30,874	30,878	30,884
	Municipal Balance	23,057	21,725	20,199	18,792	17,258	15,321	12,987
Industrial	Manufacturing Demand	20	25	28	30	32	34	37
	Manufacturing Existing Supply							
	Groundwater	22	22	22	22	22	22	22
	Surface water	10,000	10,000	10,000	10,000	10,000	10,000	10,000
	Total Manufacturing Supply	10,022	10,022	10,022	10,022	10,022	10,022	10,022
	Manufacturing Balance	10,002	9,997	9,994	9,992	9,990	9,988	9,985
	Steam-Electric Demand	2,573	6,594	8,098	9,467	11,137	13,172	15,653
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	40,000	40,000	40,000	40,000	40,000	40,000	40,000
	Total Steam-Electric Supply	40,000	40,000	40,000	40,000	40,000	40,000	40,000
	Steam-Electric Balance	37,427	33,406	31,902	30,533	28,863	26,828	24,347
	Mining Demand	167	162	161	160	159	158	157
	Mining Existing Supply							
	Groundwater	141	137	136	135	134	134	133
	Surface water	0	0	0	0	0	0	0
	Total Mining Supply	141	137	136	135	134	134	133
	Mining Balance	(26)	(25)	(25)	(25)	(25)	(24)	(24)
Agriculture	Irrigation Demand	3,240	3,179	3,120	3,062	3,005	2,948	2,893
	Irrigation Existing Supply							
	Groundwater	251	246	242	238	234	229	225
	Surface water	12,010	12,011	12,012	12,014	12,015	12,016	12,017
	Total Irrigation Supply	12,261	12,257	12,254	12,252	12,249	12,245	12,242
	Irrigation Balance	9,021	9,078	9,134	9,190	9,244	9,297	9,349
	Livestock Demand	623	623	623	623	623	623	623
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	623	623	623	623	623	623	623
	Total Livestock Supply	623	623	623	623	623	623	623
	Livestock Balance	0	0	0	0	0	0	0
Total	Municipal & Industrial Demand	10,554	15,916	18,953	21,734	24,944	28,921	33,744
	Existing Municipal & Industrial Supply							
	Groundwater	5,649	5,654	5,658	5,661	5,665	5,669	5,674
	Surface water	75,365	75,365	75,365	75,365	75,365	75,365	75,365
	Total Municipal & Industrial Supply	81,014	81,019	81,023	81,026	81,030	81,034	81,039
	Municipal & Industrial Balance	70,460	65,103	62,070	59,292	56,086	52,113	47,295
	Agriculture Demand	3,863	3,802	3,743	3,685	3,628	3,571	3,516
	Existing Agricultural Supply							
	Groundwater	251	246	242	238	234	229	225
	Surface water	12,633	12,634	12,635	12,637	12,638	12,639	12,640
	Total Agriculture Supply	12,884	12,880	12,877	12,875	12,872	12,868	12,865
	Agriculture Balance	9,021	9,078	9,134	9,190	9,244	9,297	9,349
	Total Demand	14,417	19,718	22,696	25,419	28,572	32,492	37,260
	Total Supply							
	Groundwater	5,900	5,900	5,900	5,899	5,899	5,898	5,899
	Surface water	87,998	87,999	88,000	88,001	88,002	88,003	88,005
	Total Supply	93,898	93,899	93,900	93,900	93,901	93,901	93,904
	Total Balance	79,481	74,181	71,204	68,481	65,329	61,409	56,644

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**Table 4-17
Johnson County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		126,811	151,468	180,509	211,020	244,349	285,700	336,431

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal	Municipal Demand	21,507	26,359	31,014	36,048	41,845	49,292	58,055
	Municipal Existing Supply							
	Groundwater	2,126	2,124	2,122	2,121	2,121	2,119	2,119
	Surface water	29,372	28,616	27,850	27,077	26,306	25,534	24,764
	Total Existing Municipal Supply	31,498	30,740	29,972	29,198	28,427	27,653	26,883
	Municipal Balance	9,991	4,381	(1,042)	(6,850)	(13,418)	(21,639)	(31,172)
Industrial	Manufacturing Demand	1,992	2,580	2,976	3,362	3,754	4,105	4,453
	Manufacturing Existing Supply							
	Groundwater	410	406	405	404	402	401	401
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	410	406	405	404	402	401	401
	Manufacturing Balance	(1,582)	(2,174)	(2,571)	(2,958)	(3,352)	(3,704)	(4,052)
	Steam-Electric Demand	0	0	0	0	0	0	0
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Steam-Electric Supply	0	0	0	0	0	0	0
	Steam-Electric Balance	0	0	0	0	0	0	0
	Mining Demand	324	370	390	403	415	427	436
Mining Existing Supply								
Groundwater	51	57	61	62	64	65	66	
Surface water	42	42	42	42	42	42	42	
Total Mining Supply	93	99	103	104	106	107	108	
Mining Balance	(231)	(271)	(287)	(299)	(309)	(320)	(328)	
Agriculture	Irrigation Demand	0	0	0	0	0	0	0
	Irrigation Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	760	760	760	760	759	759	759
	Total Irrigation Supply	760	760	760	760	759	759	759
	Irrigation Balance	760	760	760	760	759	759	759
	Livestock Demand	2,117	2,117	2,117	2,117	2,117	2,117	2,117
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	2,117	2,117	2,117	2,117	2,117	2,117	2,117
Total Livestock Supply	2,117	2,117	2,117	2,117	2,117	2,117	2,117	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	23,823	29,309	34,380	39,813	46,014	53,824	62,944
	Existing Municipal & Industrial Supply							
	Groundwater	2,587	2,587	2,588	2,587	2,587	2,585	2,586
	Surface water	29,414	28,658	27,892	27,119	26,347	25,575	24,805
	Total Municipal & Industrial Supply	32,001	31,245	30,480	29,706	28,934	28,160	27,391
	Municipal & Industrial Balance	8,178	1,936	(3,900)	(10,107)	(17,080)	(25,664)	(35,553)
	Agriculture Demand	2,117	2,117	2,117	2,117	2,117	2,117	2,117
	Existing Agricultural Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	2,877	2,877	2,877	2,877	2,876	2,876	2,876
	Total Agriculture Supply	2,877	2,877	2,877	2,877	2,876	2,876	2,876
	Agriculture Balance	760	760	760	760	759	759	759
	Total Demand	25,940	31,426	36,497	41,930	48,131	55,941	65,061
	Total Supply							
	Groundwater	2,587	2,587	2,588	2,587	2,587	2,585	2,586
Surface water	32,291	31,535	30,769	29,996	29,224	28,452	27,681	
Total Supply	34,878	34,122	33,357	32,583	31,811	31,037	30,267	
Total Balance	8,938	2,696	(3,140)	(9,347)	(16,320)	(24,904)	(34,794)	

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**Table 4-18
Jones County
Population, Water Supply, and Water Demand Projections**

Population Projection		Year						
		2000	2010	2020	2030	2040	2050	2060
		20,785	21,211	21,729	21,695	21,366	20,738	19,933

Supply and Demand by Type of Use		Year						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
		Municipal	Municipal Demand	3,988	3,136	3,138	3,066	2,954
Municipal Existing Supply								
Groundwater	0		0	0	0	0	0	0
Surface water	12,361		12,260	12,163	12,066	11,968	11,871	11,773
Total Existing Municipal Supply	12,361		12,260	12,163	12,066	11,968	11,871	11,773
Municipal Balance	8,373		9,124	9,025	9,000	9,014	9,033	9,047
Industrial	Manufacturing Demand	0	0	0	0	0	0	0
	Manufacturing Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	0	0	0	0	0	0	0
	Total Manufacturing Supply	0	0	0	0	0	0	0
	Manufacturing Balance	0	0	0	0	0	0	0
	Steam-Electric Demand	1,510	1,255	1,001	1,170	1,376	1,628	1,935
	Steam-Electric Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	4,901	4,852	4,803	4,755	4,706	4,657	4,609
	Total Steam-Electric Supply	4,901	4,852	4,803	4,755	4,706	4,657	4,609
	Steam-Electric Balance	3,391	3,597	3,802	3,585	3,330	3,029	2,674
Mining Demand	290	300	303	304	305	306	307	
Mining Existing Supply								
Groundwater	290	300	303	304	305	306	307	
Surface water	0	0	0	0	0	0	0	
Total Mining Supply	290	300	303	304	305	306	307	
Mining Balance	0	0	0	0	0	0	0	
Agriculture	Irrigation Demand	4,381	4,250	4,124	4,000	3,881	3,765	3,653
	Irrigation Existing Supply							
	Groundwater	4,031	3,910	3,794	3,680	3,571	3,464	3,361
	Surface water	2,510	2,505	2,499	2,494	2,488	2,483	2,477
	Total Irrigation Supply	6,541	6,415	6,293	6,174	6,059	5,947	5,838
	Irrigation Balance	2,160	2,165	2,169	2,174	2,178	2,182	2,185
	Livestock Demand	786	786	786	786	786	786	786
	Livestock Existing Supply							
	Groundwater	0	0	0	0	0	0	0
	Surface water	786	786	786	786	786	786	786
Total Livestock Supply	786	786	786	786	786	786	786	
Livestock Balance	0	0	0	0	0	0	0	
Total	Municipal & Industrial Demand	5,788	4,691	4,442	4,540	4,635	4,772	4,968
	Existing Municipal & Industrial Supply							
	Groundwater	290	300	303	304	305	306	307
	Surface water	17,262	17,112	16,966	16,820	16,674	16,529	16,381
	Total Municipal & Industrial Supply	17,552	17,412	17,269	17,124	16,979	16,835	16,688
	Municipal & Industrial Balance	11,764	12,721	12,827	12,584	12,344	12,063	11,720
	Agriculture Demand	5,167	5,036	4,910	4,786	4,667	4,551	4,439
	Existing Agricultural Supply							
	Groundwater	4,031	3,910	3,794	3,680	3,571	3,464	3,361
	Surface water	3,296	3,291	3,285	3,280	3,274	3,269	3,263
	Total Agriculture Supply	7,327	7,201	7,079	6,960	6,845	6,733	6,624
	Agriculture Balance	2,160	2,165	2,169	2,174	2,178	2,182	2,185
	Total Demand	10,955	9,727	9,352	9,326	9,302	9,323	9,407
	Total Supply							
Groundwater	4,321	4,210	4,097	3,984	3,876	3,770	3,668	
Surface water	20,558	20,403	20,251	20,100	19,948	19,797	19,644	
Total Supply	24,879	24,613	24,348	24,084	23,824	23,567	23,312	
Total Balance	13,924	14,886	14,996	14,758	14,522	14,244	13,905	