# Nevada State Water Plan

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[Variable Share of Population on Public Supply Water Systems]

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Nevada Water	Coefficient and	Forecast ]	Factor	Summary
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Water Use Factors, Public/Self Supplied Population Percents, Other Use Rates

(Gallons per	person per da	y; gallons per	worker per da	ay)		Revised:	11/23/98
County	Municipal and Industrial (M&I-Public Supplied) Water Use per Person (Gallons/Day)	Total Domestic Water Withdrawals per Person (Gallons/Day)	Supplied	Domestic Self Supplied Water Use per Person (Gallons/Day)	Population on Public Supply Water	Commercial and Industrial Water Use per Worker-excl. Mining (Gallons/Day)	Supply Water
Carson City.	. 197.7	135.5	136.8	123.2	90.19%	77.5	8.99%
Churchill	. 246.9	142.6	148.6	133.7	59.71%	183.0	29.47%
Clark	334.2	212.5	213.0	191.7	97.93%	215.4	8.50%
Douglas	306.0	261.6	264.2	237.7	90.09%	152.7	3.13%
Elko	331.7	240.4	242.1	217.7	93.27%	415.2	9.08%
Esmeralda	238.3	162.6	167.7	150.9	69.51%	239.5	14.81%
Eureka	322.9	240.0	246.4	221.5	74.49%	95.7	7.89%
Humboldt	. 348.8	244.4	253.0	227.6	66.08%	230.6	9.07%
Lander	245.4	187.6	191.3	172.3	80.37%	94.0	11.81%
Lincoln	430.9	294.3	300.8	271.1	78.13%	213.6	8.90%
Lyon	210.7	140.1	141.3	127.3	91.61%	1,155.9	11.70%
Mineral	211.7	153.6	156.9	141.3	78.97%	116.3	3.57%
Nye	. 347.7	224.1	231.4	208.3	68.24%	97.2	22.49%
Pershing	. 341.5	233.0	235.7	212.4	88.31%	307.3	7.74%
Storey	143.0	94.9	98.6	88.4	63.38%	93.3	10.34%
Washoe	269.7	176.0	177.7	160.0	90.30%	130.1	11.73%
White Pine	. 352.4	300.0	302.4	271.9	92.07%	60.9	7.26%
NEVADA	. 315.0	203.9	205.6	176.6	94.20%	199.6	9.24%

Sources: U.S. Geological Survey (USGS); Nevadad Division of Water Planning (NDWP).

Variable and Constant Percent of I	Population	on Public S	Supply Wat	er Systems r per Worke	r ner Dav)	Revised 12/3/9
Water Use in Acre-Feet per Year; Wate NEVADA	1995	2000	2005	2010	2015	2020
	1,579,150	1,986,257	2,341,374	2,640,306	2,868,979	3,046,84
Resident Population (persons)[1]	94.20%	1,980,237 94.57%	94.88%	95.10%	95.26%	95.41%
Percent Population on Public Supply[2]	1,487,636	1,878,477	2,221,592	2,510,991	2,733,001	2,906,88
Population on Public Supply[3] Population being Self Supplied	, ,	1,878,477	119,783	129,315	135,978	139,96
	91,514	316.5	317.3	317.7	317.7	317.
Municipal & Industrial (M&I) Factor[4]	315.0		789,701	893,593	972,639	1,034,22
Fotal Municipal & Industrial Use	524,861	665,876	72,313	81,707	88,930	94,58
Public Use and Losses[5]	48,472	61,195	9.21%	9.21%	9.20%	9.19
As a Percent of Total M&I Water Use	9.24%	9.23%	205.2	205.4	205.5	205
Variable Domestic Use Factor[6]	203.9	204.7		205.4	205.5	205.
Public Supply Use Factor	205.6	206.3	206.7		177.4	177
Self Supply Use Factor	176.6	177.3	177.5	177.5		701,33
Total Domestic Water Use	360,710	455,464	538,090	607,467	660,315	
Public Supply Water Use	342,605	434,063	514,277	581,756	633,300	673,56
Self Supply Water Use	18,105	21,401	23,813	25,711	27,016	27,7
Fixed Total Domestic Use Factor[7]	203.9	203.9	203.9	203.9	203.9	203
Total Domestic Water Use[7]	360,710 <sub>;</sub>	455,407	537,955	607,238	659,983	700,89
Public Supply Water Use	342,605 <sup>°</sup>	433,492	512,927	579,467	629,977	669,14
Self Supply Water Use	18,105	21,915	25,028	27,771	30,006	31,74
Total Employment (workers)	784,486	987,950	1,162,764	1,310,176	1,423,256	1,511,6
Employment less Mining Workers	771,299	973,251	1,148,331	1,295,999	1,409,685	1,499,0
Commercial/Industrial Use Factor[8]	199.6	199.6	199.6	199.6	199.6	199
Commercial/Industrial Water Use[8]	172,407	220,355	261,880	296,905	323,811	344,9
Carson City	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	46,770	54,445	60,703	66,041	70,099	72,5
Percent Population on Public Supply[2]	90.19%	90.30%	90.42%	<b>90.53%</b>	90.64%	90.76
Population on Public Supply[3]	42,182	49,166	54,885	59,786	63,540	65,8
Population being Self Supplied	4,588	5,279	5,818	6.255	6,560	6,7
Municipal & Industrial (M&I) Factor[4]	197.7	197.6	197.6	197.5	197.4	197
Total Municipal & Industrial Use	9,342	10,885	12,146	13,226	14,051	14,5
Public Use and Losses[5]	840	878	906	930	955	9
As a Percent of Total M&I Water Use	8.99%	8.99%	8.99%	8.99%	8.99%	8.99
Variable Domestic Use Factor[6]	135.5	135.5	135.5	135.5	135.5	135
Public Supply Use Factor	136.8	136.8	136.8	136.8	136.8	136
Self Supply Use Factor	123.2	123.2		123.2	123.2	123
Total Domestic Water Use	7,096	8,262	9,212	10,024	10,641	11,0
Public Supply Water Use	6,463	7,533	8,410	9,161	9,736	10,0
Self Supply Water Use	633	728	803	863	905	<b></b> 9
	135.5	135.5				13
Fixed Total Domestic Lise Factor 71				10,020		11,0
	7 104	0.401	2,210	· ·		
Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use	7,096		8 280	0176	9 nA /	
Total Domestic Water Use[7] Public Supply Water Use	6,463	7,524	8,389		9,687 949	-
Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use	6,463 633	7,524 737	822	894	949	9
Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use Total Employment (workers)	6,463 633 26,218	7,524 737 29,988	822 33,325	894 36,136	949 3 <b>8</b> ,230	9 39,4
Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use	6,463 633	7,524 737 29,988 29,978	822 33,325 33,314	894	949 38,230 38,217	10,0 9 39,4 39,4 7

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### Nevada M&I, Domestic, Commercial and Industrial Water Use Forecasts

Variable and Constant Percent of Population on Public Supply Water Systems (Water Use in Acre-Feet per Year: Water Use Factors in Gallons per Person or per Worker per Day)

(Water Use in Acre-Feet per Year; Water						12/3/98
Churchill County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	21,640	26,019	29,568	32,910	35,875	38,296
Percent Population on Public Supply[2]	59.71%	60.46%	61.22%	61.99%	62.77%	63.56%
Population on Public Supply[3]	12,922	15,732	18,102	20,402	22,519	24,341
Population being Self Supplied	8,718	10,287	11,465	12,508	13,356	13,955
Municipal & Industrial (M&I) Factor[4]	246.9	245.6	244.4	243.3	242.1	240.9
Total Municipal & Industrial Use	3,573	4,329	4,957	5,559	6,106	6,569
Public Use and Losses[5]	1,053	1,276	1,461	1,638	1,799	1,936
As a Percent of Total M&I Water Use	29.47%	29.47%	29.47%	29.47%	29.47%	29.47%
Variable Domestic Use Factor[6]	142.6	142.7	142.8	142.9	143.1	143.2
Public Supply Use Factor	148.6	148.6	148.6	148.6	148.6	148.6
Self Supply Use Factor	133.7	133.7	133.7	133.7	133.7	133.7
Total Domestic Water Use	3,457	4,159	4,730	5,269	5,749	6,142
Public Supply Water Use	2,151	2,618	3,013	3,396	3,748	4,051
Self Supply Water Use	1,306	1,541	1,718	1,874	2,001	2,091
Fixed Total Domestic Use Factor[7]	142.6	142.6	142.6	142.6	142.6	142.6
Total Domestic Water Use[7]	3,457	4,156	4,723	5,257	5,730	6,117
Public Supply Water Use	2,151	2,586	2,939	3,271	3,565	3,806
Self Supply Water Use	1,306	1,570	1,784	1,986	2,165	2,311
Total Employment (workers)	6,967	8,389	9,652	10,878	12,007	12,979
Employment less Mining Workers	6,941	8,373	9,635	10,860	11,989	12,961
Commercial/Industrial Use Factor[8]	183.0	183.0	183.0	183.0	183.0	183.0
Commercial/Industrial Water Use[8]	1,423	1,716	1,975	2,226	2,457	2,656
Clark County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	1,036,290	1,355,368	1,640,444	1,874,431	2,046,229	2,178,046
Percent Population on Public Supply[2]	97.93%	98.06%	98.18%	98.30%	98.42%	98.55%
Population on Public Supply[3]	1,014,867	1,329,009	1,610,552	1,842,577	2,013,971	2,146,391
Population being Self Supplied	21,423	26,359	29,892	31,854	32,258	31,655
'Municipal & Industrial (M&I) Factor[4]	334.2	334.1	333.9	333.7	333.6	333.4
Total Municipal & Industrial Use	379,921	497,297	602,373	688,843	752,578	801,698
Public Use and Losses[5]	32,283	42,256	51,185	58,532	63,948	68,122
As a Percent of Total M&I Water Use	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%
Variable Domestic Use Factor[6]	212.5	212.6	212.6	212.6	212.6	212.7
Public Supply Use Factor	213.0	213.0	213.0	213.0	213.0	213.0
Self Supply Use Factor	191.7	191.7 <sub>(</sub>	<b>191.7</b>	191.7	191.7	191.7
Total Domestic Water Use	246,709	322,712	390,636	446,410	487.385	518,845
Public Supply Water Use	242,109	317,052	384,217	439,570	480,458	512,048
Self Supply Water Use	4,600	5,660	6,418	6,840	6,926	6,797
Fixed Total Domestic Use Factor[7]	212.5	212.5	212.5	212.5	212.5	212.5
Total Domestic Water Use[7]	246,709	322,672 <sub>i</sub>	390,540	446,245	487,145	518,527
Public Supply Water Use	,	316,656	383,258	437,925	478,062	508,859
Self Supply Water Use	4,600	6,016	7,282	8,320	9,083	9,668
	500 100	666,499	807,693	924,054	1,010,008	1,076,417
Total Employment (workers)	502,180		· ·			
Employment less Mining Workers	501,732	665,909	807,092	923,440	1,009,387	1,075,809
			807,092 215.4 194,748	923,440 215.4 222,822	1,009,387 215.4 243,561	1,075,809 215.4 259,588

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Revised:

Variable and Constant Percent of P	opulation o	on Public S	upply Wate	er Systems	man Davi)	Revised 12/3/98
Water Use in Acre-Feet per Year; Wate	r Use Factor: 1995	s in Gallons J 2000	2005	2010	2015	2020
Douglas County			48,180	53,272	57,900	61,854
Resident Population (persons)[1]	35,880	42,834	40,100 90.31%	90.42%	90.54%	90.65%
Percent Population on Public Supply[2]	90.09%	90.20%		48,171	52,421	56,071
Population on Public Supply[3]	32,323;	38,636	43,512	5,101	5,479	5,783
Population being Self Supplied	3,557	4,198	4,668		305.8	305.
Municipal & Industrial (M&I) Factor[4]	306.0	305.9	305.9	305.8		19,20
Total Municipal & Industrial Use	11,078	13,240	14,908	16,502	17,955	19,20
Public Use and Losses[5]	347	415	467	517	563	
As a Percent of Total M&I Water Use	3.13%	3.13%	3.13%	3.13%	3.13%	3.139
Variable Domestic Use Factor[6]	261.6	261.6	261.6	261.7	261.7	261.
Public Supply Use Factor	264.2	264.2	264.2	264.2	264.2	264.1
Self Supply Use Factor	237.7	237.7	237.7	237.7	237.7	237.
Total Domestic Water Use	10,513	12,552	14,120	15,615	16,973	18,13
Public Supply Water Use	9,566	11,434	12,877	14,256	15,514	16,59
Self Supply Water Use	947	1,118	1,243	1,358	1,459	1,54
Fixed Total Domestic Use Factor[7]	261.6	261.6	261.6	261.6	261.6	261.
Total Domestic Water Use[7]	10,513	12,551	14,117	15,609	16,965	18,12
Public Supply Water Use	9,566	11,420	12,845	14,203	15,437	16,49
Self Supply Water Use	947	1,131	1,272	1,406	1,528	1,63
Total Employment (workers)	19,277	21,123	23,670	26,074	28,233	30,04
Employment less Mining Workers	19,258	21,087	23,633	26,037	28,197	30,01
Commercial/Industrial Use Factor[8]	152.7	152.7	152.7	152.7	152.7	152.
Commercial/Industrial Water Use[8]	3,293	3,606	4,041	4,453	4,822	5,13
Elko County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	43,050	51,665	57,857	63,224	67,408	70,11
Percent Population on Public Supply[2]	93.27%	93.38%	93.50%	93.62%	93.73%	93.85
Population on Public Supply[3]	40,151	48,246	54,096	59,188	63,184	65,80
Population being Self Supplied	2,899	3,419	3,761	4,036	4,224	4,31
Municipal & Industrial (M&I) Factor[4]	331.7	331.6	331.5	331.4	331.3	331
Total Municipal & Industrial Use	14,920	17,922	20,088	21,972	23,447	24,4]
Public Use and Losses[5]	1,355	1,628	1,824	1,995	2,129	2,21
As a Percent of Total M&I Water Use	9.08%	9.08%	9.08%	9.08%	9.08%	9.08
Variable Domestic Use Factor[6]	240.4	240.5	240.5	240.5	240.6	240
Public Supply Use Factor	240.4	240.0	242.1	242.1	242.1	242
	217.7	217.7	217.7	217.7	217.7	217
Self Supply Use Factor	11,595	13,917	15,587	17,034	18,164	18,89
Total Domestic Water Use	10,888	13,083	14,669	16,050	17,134	17,84
Public Supply Water Use	707	834	917	984	1,030	1,0
Self Supply Water Use		240.4	240.4	240.4	240.4	240
Fixed Total Domestic Use Factor[7]	240.4		15,583	17,028	18,155	18,8
Total Domestic Water Use[7]	11,595	13,915		15,990	17,048	17,7
Public Supply Water Use	10,888	13,067	14,633 950	1,038	1,107	1,1:
	707	848				
Self Supply Water Use	10 270	01 071	<u> </u>			
Total Employment (workers)	18,370	21,871	24,523	26,832	28,643	
	18,370 17,075 415.2	21,871 20,456 415.2	24,523 23,182 415.2	26,832 25,498 415.2	28,043 27,305 415.2	29,83 28,51 415

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Variable and Constant Percent of P	opulation o	on Public S	Supply Wat	er Systems	<b>n</b> \	Revised	
(Water Use in Acre-Feet per Year; Wate						12/3/98	
Esmeralda County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	1,6301	1,480	1,509	1,530	1,544	1,550	
Percent Population on Public Supply[2]	69.51%	69.60%	69.68%	69.77%	69.86%	69.94%	
Population on Public Supply[3]	1,133	1,030	1,051	1,067	1,078	1,084	
Population being Self Supplied	497	450	457	462	465	466	
Municipal & Industrial (M&I) Factor[4]	238.3	238.2	238.1	238.0	238.0	237.9	
Total Municipal & Industrial Use		275	280	285	287	289	
Public Use and Losses[5]	45	41	42	42	43	43	
As a Percent of Total M&I Water Use	14.81%	14.81%	14.81%	14.81%	14.81%	14.81%	
Variable Domestic Use Factor[6]	162.6	162.6	162.6	162.6	162.6	162.0	
Public Supply Use Factor	167.7	167.7	167.7	167.7	167.7	167.1	
Self Supply Use Factor	150.9	150.9	150.9	150.9	150.9	150.9	
Total Domestic Water Use	297	270	275	279	281	282	
Public Supply Water Use	213	194	197	200	203	204	
Self Supply Water Use	84	76	77	78	79	79	
Fixed Total Domestic Use Factor[7]	162.6	162.6	162.6	162.6	162.6	162.0	
Total Domestic Water Use[7]	297	270	275	279	281	282	
Public Supply Water Use	213	193	197	200	202	202	
Self Supply Water Use	84	76	78	79	80	80	
Total Employment (workers)	322	331	336	340	342	342	
Employment less Mining Workers	168	180	185	188	191	193	
Commercial/Industrial Use Factor[8]	239.5	239.5	239.5	239.5	239.5	239.	
Commercial/Industrial Water Use[8]	45	48	50	51	51	52	
Eureka County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	1,580	1,777	1,953	2,093	2,189	2,23	
Percent Population on Public Supply[2]	74.49%	74.59%	74.68%	74.77%	74.87%	74.96%	
Population on Public Supply[3]	1,177	1,326	1,458	1,565	1,639	1,674	
Population being Self Supplied	403	452	494	528	550	559	
Municipal & Industrial (M&I) Factor[4]	322.9	322.8	322.7	322.6	322.5	322.4	
Total Municipal & Industrial Use	426	479	522.7	566	592	522. 604	
Public Use and Losses[5]	34	38		45	47	4	
As a Percent of Total M&I Water Use			42			7.89%	
Variable Domestic Use Factor[6]	7.89%	7.89%	7.89%	7.89%	7.89%		
	240.0	240.1	240.1	240.1	240.1	240.2	
Public Supply Use Factor	246.4	246.4	246.4	246.4	246.4	246.4	
Self Supply Use Factor	221.5	221.5	221.5	221.5	221.5	221.	
Total Domestic Water Use	425	478	525	563	589	60	
Public Supply Water Use	325	366	402	432	452	46	
Self Supply Water Use	100	112	123	131	137	13	
Fixed Total Domestic Use Factor[7]	240.0	240.0	240.0	240.0	240.0	240.0	
Total Domestic Water Use[7]	425	478	525.	563	589	60	
Public Supply Water Use	325	365	401	430	<b>450</b>	45	
Self Supply Water Use	100	112	124	132	139	14	
Total Employment (workers)	4,554	5,189	5,687	6,081	6,343	6,45	
Employment less Mining Workers	627	1,013	1,736	2,161	2,571	2,93	
Commercial/Industrial Use Factor[8]	95.7	95.7	95.7	95.7	95.7 <sup>°</sup>	95.	

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Variable and Constant Percent of P (Water Use in Acre-Feet per Year; Water	opulation of Use Factors	on Public S s in Gallons j	upply Wate per Person or	er Systems • per Worker	per Day)	Revised: 12/3/98	
Humboldt County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	16,270	18,897	21,034	22,858	24,251	25,114	
Percent Population on Public Supply[2]	66.08%	66.17%	66.25%	66.33%	66.42%	66.50%	
Population on Public Supply[3]	10,752	12,504	13,935	15,162	16,106	16,701	
Population being Self Supplied	5,518	6,394	7,099	7,696	8,144	8,414	
Municipal & Industrial (M&I) Factor[4]	348.8	348.7	348.5	348.4	348.3	348.2	
Total Municipal & Industrial Use	4,201	4,883	5,440	5,917	6,284	6,513	
Public Use and Losses[5]	381	443	493	537	570	591	
As a Percent of Total M&I Water Use	9.07%	9.07%	9.07%	9.07%	9.07%	9.07%	
Variable Domestic Use Factor[6]	244.4	244.4	244.4	244.4	244.5	244.5	
Public Supply Use Factor	253.0	253.0	253.0	253.0	253.0	253.0	
Self Supply Use Factor	227.6	227.6	227.6	227.6	227.6	227.6	
Total Domestic Water Use	4,454	5,174	5,759	6,259	6,641	6,878	
Public Supply Water Use	3,047	3,543	3,949	4,297	4,564	4,733	
Self Supply Water Use	1,407	1,630	1,810	1,962	2,077	2,14	
Fixed Total Domestic Use Factor[7]	244.4	244.4	244.4	244.4	244.4	244.	
Total Domestic Water Use[7]	4,454	5,173	5,758	6,257	6,638	6,87	
Public Supply Water Use	3,047	3,539	3,939	4,280	4,541	4,70	
Self Supply Water Use	1,407	1,634	1,819	1,977	2,097	2,17	
Total Employment (workers)	7,770	9,233	10,290	11,196	11,894	12,33	
Employment less Mining Workers	5,464	6,796	7,959	9,080	10,091	10,92	
Commercial/Industrial Use Factor[8]	230.6	230.6	230.6	230.6	230.6	230.	
Commercial/Industrial Water Use[8]	1,411	1,755	2,055	2,345	2,606	2,82	
Lander County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	6,440	7,226	7,505	7,717	7,857	7,92	
Percent Population on Public Supply[2]	80.37%	80.47%	80.57%	80.67%	80.78%	80.88%	
Population on Public Supply[2]	5,176	5,815	6,047	6,226	6,347	6,40	
Population being Self Supplied	1,264	1,411	1,458	1,491	1,510	1,51	
Municipal & Industrial (M&I) Factor[4]	245.4	245.3	245.2	245.2	245.1	245	
Total Municipal & Industrial Use	1,423	1,598	1,661	1,710	1,742	1,75	
Public Use and Losses[5]	1,425	189	196	202	206	20	
As a Percent of Total M&I Water Use	11.81%	11.81%	11.81%	11.81%	11.81%	11.819	
Variable Domestic Use Factor[6]	187.6	187.6	187.6	187.6	187.6	187	
Public Supply Use Factor	191.3	191.3	191.3	191.3	191.3	191.	
Self Supply Use Factor	172.3	172.3	172.3	172.3	172.3	172	
Total Domestic Water Use	1,353	1,518	1,577	1,622	1,651	1,66	
Public Supply Water Use	1,109	1,246	1,296	1,334	1,360	1,37	
Self Supply Water Use	244	272	281	288	292	29	
Fixed Total Domestic Use Factor[7]	187.6	187.6	187.6	187.6	187.6	187	
Total Domestic Water Use[7]	1,353	1,518	1,577	1,621	1,651	1,66	
Public Supply Water Use	1,355	1,244	1,292	1,329	1,353	1,30	
	244	274	284	292	298	30	
Self Supply Water Use	2,445	2,780	2,882	2,957	3,005	3,02	
Total Employment (workers)	1,383	1,479	1,573	1,656	1,725	1,77	
	1 33 3	1.479	1	1.0.00	£ 1 4 J	* 7 * *	
Employment less Mining Workers Commercial/Industrial Use Factor[8]	94.0	94.0 <sup>±</sup>	94.0	94.0	94.0	94	

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### Nevada M&I, Domestic, Commercial and Industrial Water Use Forecasts

Variable and Constant Percent of Population on Public Supply Water Systems (Water Use in Acre-Feet per Year: Water Use Factors in Gallons per Person or per Worker per Revised:

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(Water Use in Acre-Feet per Year; Water Use Factors in Gallons per Person or per Worker per Day)						
Lincoln County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	4,110	4,167	4,247	4,307	4,345	4,363
Percent Population on Public Supply[2]	78.13%	78.22%	78.32%	78.42%	78.52%	78.62%
Population on Public Supply[3]	3,211	3,260	3,326	3,377	3,412	3,430
Population being Self Supplied	899	907	921	929	933	933
Municipal & Industrial (M&I) Factor[4]	430.9	430.8	430.6	430.5	430.3	430.1
Total Municipal & Industrial Use	1,550	1,573	1,604	1,628	1,645	1,653
Public Use and Losses[5]	138	140	143	145	146	147
As a Percent of Total M&I Water Use	8.90%	8.90%	8.90% <sup>±</sup>	8.90%	8.90%	8.90%
Variable Domestic Use Factor[6]	294.3	294.4	294.4	294.4	294.4	294.5
Public Supply Use Factor	300.8	300.8	300.8	300.8	300.8	300.8
Self Supply Use Factor	271.1	271.1	271.1	271.1	271.1	271.1
Total Domestic Water Use	1,355	1,374	1,400	1,420	1,433	1,439
Public Supply Water Use	1,082	1,098	1,121	1,138	1,150	1,156
Self Supply Water Use	273	276	280	282	283	283
Fixed Total Domestic Use Factor[7]	294.3	294.3	294.3	294.3	294.3	294.3
Total Domestic Water Use[7]	1,355	1,374	1,400	1,420	1,433	1,438
Public Supply Water Use	1,082	1,097	1,118	1,420	1,144	1,149
Self Supply Water Use	273	277	282	286	289	290
There are a second and the second an	1,535		1,482	1,484	1,479	1,466
Total Employment (workers) Employment less Mining Workers		1,472	1,470	1,473	1,469	1,400
Commercial/Industrial Use Factor[8]	1,521	1,460	213.6	213.6	213.6	213.6
Commercial/Industrial Water Use[8]	213.6	213.6 349	352	352	351	349
	364					2020
Lyon County	1995	2000	2005	2010	2015	
Resident Population (persons)[1]	26,580	33,721	39,377	44,878	49,914	54,170
Percent Population on Public Supply[2]	91.61%	91.72%	91.84%	91.95%	92.07%	92.18%
Population on Public Supply[3]	24,350	30,930	36,163	41,267	45,955	49,936
Population being Self Supplied	2,230	2,790	3,213	3,611	3,958	4,234
Municipal & Industrial (M&I) Factor[4]	210.7	210.6	210.5	210.4	210.3	210.2
Total Municipal & Industrial Use	5,746	7,296	8,527	9,727	10,827	11,760
Public Use and Losses[5]	672	853	997	1,138	1,266	1,375
As a Percent of Total M&I Water Use	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%
Variable Domestic Use Factor[6]	140.1	140.1	140.1	140.2	140.2	140.2
Public Supply Use Factor	141.3	141.3	141.3	141.3	141.3	141.3
Self Supply Use Factor	127.3	127.3	127.3	127.3	127.3	127.3
Total Domestic Water Use	1 171	5 202	6,181	7,045	7,837	8,506
	4,171	5,293	· .			
Public Supply Water Use	3,853	4,895	5,723	6,530	7,272	7,902
Self Supply Water Use	· ·	4,895 398	5,723 458	6,530 515	564	604
Self Supply Water Use Fixed Total Domestic Use Factor[7]	3,853 318 140.1	4,895 398 140.1	5,723 458 140.1	6,530 515 140.1	564 140.1	<u> </u>
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7]	3,853 318 140.1 4,171	4,895 398 140.1 5,292	5,723 458 140.1 6,180	6,530 515 140.1 7,043	564 140.1 7,833	604 140.1 8,501
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use	3,853 318 140.1 4,171 3,853	4,895 398 140.1 5,292 4,888	5,723 458 140.1 6,180 5,708	6,530 515 140.1 7,043 6,506	564 140.1 7,833 7,236	604 140.1 8,501 7,853
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use	3,853 318 140.1 4,171	4,895 398 140.1 5,292 4,888 403	5,723 458 140.1 6,180 5,708 471	6,530 515 140.1 7,043 6,506 537	564 140.1 7,833 7,236 597	604 140.1 8,501 7,853 648
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use Total Employment (workers)	3,853 318 140.1 4,171 3,853	4,895 398 140.1 5,292 4,888	5,723 458 140.1 6,180 5,708	6,530 515 140.1 7,043 6,506 537 11,353	564 140.1 7,833 7,236 597 12,643	604 140.1 8,501 7,853 648 13,738
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use	3,853 318 140.1 4,171 3,853 318	4,895 398 140.1 5,292 4,888 403	5,723 458 140.1 6,180 5,708 471	6,530 515 140.1 7,043 6,506 537	564 140.1 7,833 7,236 597	604 140.1 8,501 7,853 648
Self Supply Water Use Fixed Total Domestic Use Factor[7] Total Domestic Water Use[7] Public Supply Water Use Self Supply Water Use Total Employment (workers)	3,853 318 140.1 4,171 3,853 318 7,051	4,895 398 140.1 5,292 4,888 403 8,509	5,723 458 140.1 6,180 5,708 471 9,949	6,530 515 140.1 7,043 6,506 537 11,353	564 140.1 7,833 7,236 597 12,643	604 140.1 8,501 7,853 648 13,738

Variable and Constant Percent of P	opulation o	on Public S	upply Wate	er Systems	r nor Dov)	Revised: 12/3/98
(Water Use in Acre-Feet per Year; Wate Mineral County	r Use Factors 1995	s in Gallons j 2000	2005	2010	2015	2020
Resident Population (persons)[1]	6,700	6,955	7,086	7,182	7,241	7,262
Percent Population on Public Supply[2]	78.97%	79.07%	79.17%	79.27%	79.37%	79.47%
Population on Public Supply[3]	5,291	5,499	5,610	5,693	5,747	5,771
Population being Self Supplied	1,409	1,456	1,476	1,489	1,494	1,491
Municipal & Industrial (M&I) Factor[4]	211.7	211.6	211.5	211.5	211.4	211.3
Total Municipal & Industrial Use	1,255	1,303	1,329	1,348	1,361	1,366
	45	47	47	48	49	49
Public Use and Losses[5] As a Percent of Total M&I Water Use	3.57%	3.57%	3.57%	3.57%	3.57%	3.57%
	a second contract of second contract of the second	153.6	153.6	153.6	153.7	153.7
Variable Domestic Use Factor[6]	153.6		155.0	156.9	156.9	156.9
Public Supply Use Factor	156.9	156.9	136.9	141.3	141.3	141.3
Self Supply Use Factor	141.3	141.3			1,246	1,250
Total Domestic Water Use	1,153	1,197	1,219	1,236	1,240	1,014
Public Supply Water Use	930	966	986	1,000 236	236	230
Self Supply Water Use	223	230	234		153.6	153.
Fixed Total Domestic Use Factor[7]	153.6	153.6	153.6	153.6	1,246	1,24
Total Domestic Water Use[7]	1,153	1,197	1,219	1,236	1,246	1,24
Public Supply Water Use	930	965	983	997 239	241	24
Self Supply Water Use	223	231	236		······································	2,22
Total Employment (workers)	2,545	2,353	2,338	2,311	2,272	
Employment less Mining Workers	2,150	2,041	2,034	2,016	1,988	1,95 116.
Commercial/Industrial Use Factor[8]	116.3	116.3	116.3	116.3	116.3 259	25
Commercial/Industrial Water Use[8]	280	266	265	263		
Nye County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	23,050	30,834	36,181	41,185	45,471	48,68
Percent Population on Public Supply[2]	68.24%	68.33%	68.41%	68.50%	68.58%	68.679
Population on Public Supply[3]	15,730	21,068	24,753	28,211	31,186	33,43
Population being Self Supplied	7,320	9,766	11,428	12,974	14,285	15,25
Municipal & Industrial (M&I) Factor[4]	347.7	347.6	347.5	347.3	347.2	347.
Total Municipal & Industrial Use	6,127	8,203	9,634	10,975	12,128	12,99
Public Use and Losses[5]	1,378	1,845	2,166	2,468	2,727	2,92
As a Percent of Total M&I Water Use	22.49%	22.49%	22.49%	22.49%	22.49%	22.499
Variable Domestic Use Factor[6]	224.1	224.1	224.1	224.1	224.1	224.
Public Supply Use Factor	231.4	231.4	231.4	231.4	231.4	231.
Self Supply Use Factor	208.3	208.3	208.3	208.3	208.3	208.
Total Domestic Water Use	5,785	7,740	9,083	10,340	11,417	12,22
Public Supply Water Use	4,077	5,461	6,416	7,313	8,084	8,66
Self Supply Water Use	1,708	2,279	2,667	3,027	3,333	3,55
Fixed Total Domestic Use Factor[7]	224.1	224.1	224.1	224.1	224.1	224.
Total Domestic Water Use[7]	5,785	7,739	9,081	10,337	11,413	12,21
Public Supply Water Use	4,077	5,454	6,400	7,285	8,043	8,61
Self Supply Water Use	1,708	2,285	2,681	3,052	3,369	3,60
Total Employment (workers)	8,496	9,636	11,265	12,775	14,051	14,98
		8,204	9,760	11,260	12,596	13,66
Employment less Mining Workers	7.201	0.204	2,700		,	
Employment less Mining Workers Commercial/Industrial Use Factor[8]	7,201 97.2	97.2	97.2	97.2	97.2	97.

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### Nevada M&I, Domestic, Commercial and Industrial Water Use Forecasts

Variable and Constant Percent of Population on Public Supply Water Systems

(Water Use in Acre-Feet per Year; Water Use Factors in Gallons per Person or per Worker per Day)						12/3/98
Pershing County	1995	2000	2005	2010	2015	2020
Resident Population (persons)[1]	5,140	7,068	7,777	8,359	8,777	9,001
Percent Population on Public Supply[2]	88.31%	88.42%	88.53%	88.64%	88.75%	88.86%
Population on Public Supply[3]	4,539	6,249	6,885	7,410	7,790	7,998
Population being Self Supplied	601	819	892	950	987	1,003
Municipal & Industrial (M&I) Factor[4]	341.5	341.4	341.2	341.1	341.0	340.8
Total Municipal & Industrial Use	1,736	2,390	2,631	2,831	2,975	3,054
Public Use and Losses[5]	134	185	204	219	230	236
As a Percent of Total M&I Water Use	7.74%	7.74%	7.74%	7.74%	7.74%	7.74%
Variable Domestic Use Factor[6]	233.0	233.0	233.1	233.1	233.1	233.1
Public Supply Use Factor	235.7	235.7	235.7	235.7	235.7	235.7
Self Supply Use Factor	212.4	212.4	212.4	212.4	212.4	212.4
Total Domestic Water Use	1,342	1,845	2,030	2,183	2,292	2,351
Public Supply Water Use	1,199	1,650	1,818	1,957	2,057	2,112
Self Supply Water Use	143	195	212	226	235	239
Fixed Total Domestic Use Factor[7]	233.0	233.0	233.0	233.0	233.0	233.0
Total Domestic Water Use[7]	1,342	1,845	2,030	2,182	2,291	2,349
Public Supply Water Use	1,199	1,648	1,813	1,949	2,047	2,099
Self Supply Water Use	143	197	216	233	244	250
Total Employment (workers)	1,886	2,434	2,671	2,864	3,000	3,068
Employment less Mining Workers	1,204	1,542	1,746	1,930	2,081	2,190
Commercial/Industrial Use Factor[8]	307.3	307.3	307.3	307.3	307.3	307.3
Commercial/Industrial Water Use[8]	414	531	601	664	716	754
	T1T:	100	001	004	/10	
Storey County	1995	2000	2005	2010	2015	2020
Storey County	1995	2000	2005	2010	2015	2020
Storey County Resident Population (persons)[1]	<b>1995</b> 3,200	<b>2000</b> 3,773	<b>2005</b> 4,170	<b>2010</b> 4,519	<b>2015</b> 4,801	<b>2020</b> 5,001
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2]	<b>1995</b> 3,200 63.38%	<b>2000</b> 3,773 63.45%	<b>2005</b> 4,170 63.53%	<b>2010</b> 4,519 63.61%	<b>2015</b> 4,801 63.69%	<b>2020</b> 5,001 63.77%
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3]	1995 3,200 63.38% 2,028	<b>2000</b> 3,773 63.45% 2,394	<b>2005</b> 4,170 63.53% 2,649	<b>2010</b> 4,519 63.61% 2,874	2015 4,801 63.69% 3,058	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied	1995 3,200 63.38% 2,028 1,172	2000 3,773 63.45% 2,394 1,379	2005 4,170 63.53% 2,649 1,521	<b>2010</b> 4,519 63.61% 2,874 1,644	2015 4,801 63.69% 3,058 1,743	2020 5,001 63.77% 3,189 1,812
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5]	1995 3,200 63.38% 2,028 1,172 143.0	2000 3,773 63.45% 2,394 1,379 142.9	2005 4,170 63.53% 2,649 1,521 142.9	2010 4,519 63.61% 2,874 1,644 142.8	2015 4,801 63.69% 3,058 1,743 142.8	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use	1995           3,200           63.38%           2,028           1,172           143.0           325	2000 3,773 63.45% 2,394 1,379 142.9 383	<b>2005</b> 4,170 63.53% 2,649 1,521 142.9 424	2010 4,519 63.61% 2,874 1,644 142.8 460	2015 4,801 63.69% 3,058 1,743 142.8 489	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5]	1995           3,200           63.38%           2,028           1,172           143.0           325           34;	2000 3,773 63.45% 2,394 1,379 142.9 383 40	2005 4,170 63.53% 2,649 1,521 142.9 424 44	2010 4,519 63.61% 2,874 1,644 142.8 460 48	2015 4,801 63.69% 3,058 1,743 142.8 489 51	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5] As a Percent of Total M&I Water Use	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34%	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34%	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34%	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34%	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34%	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34%
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UseVariable Domestic Use Factor[6]	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UseVariable Domestic Use Factor[6]Public Supply Use Factor	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5] As a Percent of Total M&I Water Use Variable Domestic Use Factor[6] Public Supply Use Factor Self Supply Use Factor	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6 88.4	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5] As a Percent of Total M&I Water Use Variable Domestic Use Factor[6] Public Supply Use Factor Self Supply Use Factor Total Domestic Water Use	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6 88.4 340	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5] As a Percent of Total M&I Water Use Variable Domestic Use Factor[6] Public Supply Use Factor Self Supply Use Factor Total Domestic Water Use Public Supply Water Use	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6 88.4 340 224	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9
Storey County Resident Population (persons)[1] Percent Population on Public Supply[2] Population on Public Supply[3] Population being Self Supplied Municipal & Industrial (M&I) Factor[4] Total Municipal & Industrial Use Public Use and Losses[5] As a Percent of Total M&I Water Use Variable Domestic Use Factor[6] Public Supply Use Factor Self Supply Use Factor Total Domestic Water Use Public Supply Water Use Self Supply Water Use	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6 88.4 340 224 116	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9 531
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UseVariable Domestic Use Factor[6]Public Supply Use FactorSelf Supply Use FactorTotal Domestic Water UsePublic Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]	1995           3,200           63.38%           2,028           1,172           143.0           325           34           10.34%           94.9           98.6           88.4           340           224           116           94.9	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136 94.9	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150 94.9	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163 94.9	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173 94.9	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UseVariable Domestic Use Factor[6]Public Supply Use FactorSelf Supply Use FactorTotal Domestic Water UsePublic Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water Use[7]	1995           3,200           63.38%           2,028           1,172           143.0           325           34           10.34%           94.9           98.6           88.4           340           224           116           94.9           340	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136 94.9 401	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150 94.9 443	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163 94.9 480	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173 94.9 510 336 174	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9 531 350 181
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UsePublic Supply Use FactorSelf Supply Use FactorSelf Supply Use FactorTotal Domestic Water UsePublic Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water Use[7]Public Supply Water UseSelf Supply Water UseSelf Supply Water UseSelf Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water UseSelf Supply Water UseTotal Employment (workers)	1995 3,200 63.38% 2,028 1,172 143.0 325 34 10.34% 94.9 98.6 88.4 340 224 116 94.9 340 224	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136 94.9 401 264	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150 94.9 94.9 94.9 94.9	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163 94.9 480 316	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173 94.9 510 336	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9 531 350 181 1,455
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UseVariable Domestic Use Factor[6]Public Supply Use FactorSelf Supply Use FactorTotal Domestic Water UsePublic Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water Use[7]Public Supply Water UseSelf Supply Water UseSelf Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water UseSelf Supply Water Use	1995         3,200         63.38%         2,028         1,172         143.0         325         34         10.34%         94.9         98.6         88.4         340         224         116         94.9         340         224         116         94.9         340         224         116	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136 94.9 401 264 137	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150 94.9 443 292 151	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163 94.9 480 316 164 1,282 1,160	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173 94.9 510 338 173 94.9 510 336 174 1,380 1,255	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9 531 350 181 1,455 1,331
Storey CountyResident Population (persons)[1]Percent Population on Public Supply[2]Population on Public Supply[3]Population being Self SuppliedMunicipal & Industrial (M&I) Factor[4]Total Municipal & Industrial UsePublic Use and Losses[5]As a Percent of Total M&I Water UsePublic Supply Use FactorSelf Supply Use FactorSelf Supply Use FactorTotal Domestic Water UsePublic Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water Use[7]Public Supply Water UseSelf Supply Water UseSelf Supply Water UseSelf Supply Water UseSelf Supply Water UseFixed Total Domestic Use Factor[7]Total Domestic Water UseSelf Supply Water UseTotal Employment (workers)	1995         3,200         63.38%         2,028         1,172         143.0         325         34         10.34%         94.9         98.6         88.4         340         224         116         94.9         340         224         116         724	2000 3,773 63.45% 2,394 1,379 142.9 383 40 10.34% 94.9 98.6 88.4 401 264 136 94.9 401 264 137 1,044	2005 4,170 63.53% 2,649 1,521 142.9 424 44 10.34% 94.9 98.6 88.4 443 293 150 94.9 443 292 151 1,169	2010 4,519 63.61% 2,874 1,644 142.8 460 48 10.34% 94.9 98.6 88.4 480 318 163 94.9 480 316 164 1,282	2015 4,801 63.69% 3,058 1,743 142.8 489 51 10.34% 94.9 98.6 88.4 510 338 173 94.9 510 338 173 94.9 510 336 174 1,380	<b>2020</b> 5,001 63.77% 3,189 1,812 142.7 510 53 10.34% 94.9 98.6 88.4 532 352 179 94.9 531 350 181 1,455

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Revised:

Nevada M&I, Domestic, Co Variable and Constant Percent of P						Revised	
(Water Use in Acre-Feet per Year; Wate					r per Day)	12/3/98	
Washoe County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	291,050	329,021	362,260	393,884	422,917	448,400	
Percent Population on Public Supply[2]	90.30%	90.41%	90.52%	90.64%	90.75%	90.86%	
Population on Public Supply[3]	262,809	297,467	327,928	357,001	<b>383,794</b> :	407,429	
Population being Self Supplied	28,241	31,554	34,332	36,883	39,122	40,971	
Municipal & Industrial (M&I) Factor[4]	269.7	269.6	269.4	269.3	269.2	269.	
Total Municipal & Industrial Use	79,385	89,816	98,971	107,699	115,733	122,80	
Public Use and Losses[5]	9,308	10,532	11,605	12,629	13,571	14,40	
As a Percent of Total M&I Water Use	11.73%	11.73%	11.73%	11.73%	11.73%	11.73%	
Variable Domestic Use Factor[6]	176.0	176.0	176.0	176.1	176.1	176.	
Public Supply Use Factor	177.7	177.7	177.7	177.7	177.7	177.1	
Self Supply Use Factor	160.0	160.0	160.0	160.0	160.0 <sup>°</sup>	160.	
Fotal Domestic Water Use	57,382	64,876	71,438	77,683	83,419	88,45	
Public Supply Water Use	52,322	59,222	65,287	71,075	76,409	81,11	
Self Supply Water Use	5,060	5,654	6,151	6,608	7,010	7,34	
Fixed Total Domestic Use Factor[7]	176.0	176.0	176.0	176.0	176.0	176.	
Total Domestic Water Use[7]	57,382	64,868	71,422	77,657	83,380	88,40	
Public Supply Water Use	52,322	59,148	65,124	70,809	76,028	80,60	
Self Supply Water Use	5,060	5,720	6,298	6,848	7,353	7,79	
Total Employment (workers)	163,151	186,234	204,792	222,391	238,485	252,53	
Employment less Mining Workers	162,537	185,580	204,155	221,788	237,934	252,05	
Commercial/Industrial Use Factor[8]	130.1	130.1	130.1	130.1	130.1	130.	
Commercial/Industrial Water Use[8]	23,691	27,050	29,757	32,327	34,681	36,73	
White Pine County	1995	2000	2005	2010	2015	2020	
Resident Population (persons)[1]	9,770	11,007	11,527	11,917	12,162	12,25	
Percent Population on Public Supply[2]	92.07%	92.18%	92.30%	92.41%	92.53%	92.649	
Population on Public Supply[3]	8,995	10,146	10,639	11,013	11,254	11,35	
Population being Self Supplied	775	860	888	904	909	90	
Municipal & Industrial (M&I) Factor[4]	352.4	352.4	352.3	352.2	352.2	352	
Total Municipal & Industrial Use	3,551	4,005	4,198	4,345	4,439	4,47	
Public Use and Losses[5]	258	291	305	315	322	32	
As a Percent of Total M&I Water Use	7.26%	7.26%	7.26%	7.26%	7.26%	7.26	
Variable Domestic Use Factor[6]	300.0	300.0	300.0	300.1	300.1	300	
Public Supply Use Factor	302.4	302.4	302.4	302.4	302.4	302	
Self Supply Use Factor	271.9	271.9	271.9	271.9 <sup>1</sup>	271.9	271	
Total Domestic Water Use	3,283	3,699	3,874	4,006	4,089	4,1	
Public Supply Water Use	3,047	3,437	3,604	3,730	3,812	3,84	
Self Supply Water Use	236	262	270	275	277	27	
Fixed Total Domestic Use Factor[7]	300.0	300.0	300.0	300.0	300.0	300	
Total Domestic Water Use[7]	3,283	3,698	3,873	4,004	4,087	4,1	
Public Supply Water Use	3,047	3,432	3,595	3,716	3,793	3,82	
Self Supply Water Use	236	266	278	288	294	29	
	· ··· ·· ·· ·· ···	4,065	4,241	4,368	4,441	4,4	
	4.230						
Total Employment (workers)	4,230 3,616		3,449	3,574	3,643	3,66	
Total Employment (workers) Employment less Mining Workers Commercial/Industrial Use Factor[8]	4,230 3,616 60.9	3,285 60.9	•	3,574 60.9	3,643 60.9	3,66 60	

[1] Population estimates: Nevada State Demographer; population forecasts: Nevada Division of Water Planning (NDWP).

[2] Percent of population on public supply water systems for 1995 based on USGS estimates; changes to this percent over the forecast

horizon based on estimates by NDWP. Total Nevada figure based on aggregation of individual counties.

### Nevada M&I, Domestic, Commercial and Industrial Water Use Forecasts

### Variable and Constant Percent of Population on Public Supply Water Systems

Revised:

(Water Use in Acre-Feet per Year; Water Use Factors in Gallons per Person or per Worker per Day) 12/3/98 [3] Total Nevada figure based on aggregation of individual county totals.

[4] Total Municipal & Industrial water use includes all public supplied water for domestic, commercial, industrial and thermoelectric uses; include effects of a variable population on public supply water systems.

- [5] Public Use and Losses based of county specific percentage of total M&1 water withdrawals; Nevada figure is weighted average of counties.
- [6] Variable Total Domestic Use Factor based on weighted average of changes in population on public-supplied water.
- [7] Fixed Total Domestic Use Factor based on 1995 estimate; population on public supply remains constant over forecast horizon.

[8] Excludes water used in mining operations and by mining workers.

Sources: Population estimates -- Nevada State Demographer, Employment estimates -- Department of Employment, Training and

Rehabilitation (DETR); Population and employment forecasts--Nevada Division of Water Planning (NDWP). Population forecasts for Clark County: Department of Comprehensive Planning; Population forecasts for Washoe County: Department of Community Development.

#### State of Nevada Water Withdrawal Forecasts Page 1 of 2

ears: Actuals 1980-1997; Forecasts 1998-2018	Estimated and Forecasted Resident Population	Estimated and Forecasted Total Covered Employment	Employment/ Population Ratio	Mining	Share of Total Covered Employment	(Residential)	Total Commercial and Industrial Water Use[2]	-Feet) Forecaster Municipal Industrial (M&I) Wat Use [1] [3]
1980	800,508	397,643	49.67%	6,149	1.55%	182,853		266,06
1981	846,220	408,656	48.29%	7,834	1.92%	193,294	89,596	281,25
1982	870,970	397,952	45.69%	6,615	1.66%	,		289,48
1983	897,160	400,236	44.61%	-	1.46%	204,930		298,1
1984	922,580	423,469	45.90%	6,550	1.55%	210,736	-	306,6
1985	955,810	443,527	46.40%	6,060	1.37%	218,327		317,6
1986	993,220	465,867		6,292	1.35%	226,872	102,729	330,1
1987	1,035,040	498,072	48.12%	8,139	1.63%	236,425	109,514	344,0
1988	1,096,130	535,771	48.88%	10,976		250,379	117,307	364,3
1989	1,162,340	579,690	49.87%	13,462	2.32%	265,503	126,568	386,3
1990	1,236,130	619,638	50.13%	14,237	2.30%	282,358	135,325	410,8
1991	1,299,360	626,261	48.20%	13,337	2.13%	296,801	137,007	431,8
1992	1,345,035	637,108	47.37%	12,894	2.02%	307,234		447,0
1993	1,398,840	670,342	47.92%	12,568	1.87%	319,524		464,9
1994	1,491,490	737,502	49.45%	12,212		340,687		495,7
1995	1,579,150	784,486	49.68%	13,187		360,711	172,407	524,8
1996	1,684,570	840,798	49.91%	14,559	1.73%	385,162	185,525	559,9
1997	1,779,850	888,574	49.92%	14,664	1.65%	407,487		
1998	1,835,458		49.79%		1.61%	420,318	<u> </u>	610,0
1999	1,905,312	948,137	1		1.55%	436,542		633,2
2000	1,986,257				1.49%	455,407	-	660,1
2000	2,062,293	1,025,360	49.72%		)	473,105	229,234	685,4
2002	2,135,420	1,061,348	49.70%		1.38%	490,112		709,7
2002	2,205,757		49.69%	14,551	1.33%	506,457	246,005	733,1
2004	2,274,255	1,129,703	49.67%		1.28%	522,368	254,024	755,8
2005	2,341,374		49.66%	14,433	1.24%	537,955	1	778,2
2006	2,407,472	1,195,333	49.65%	14,379	1	553,303		800,1
2007	2,470,245	1,226,276	49.64%	14,379		567,864	276,964	821,0
2008	2,529,804		49.63%	14,324	1.14%	581,666		
2009	2,586,448		49.63%	14,259	1.11%	594,780		-
2010	2,640,306		49.62%	14,177	1.08%	607,238		877,
2011	2,691,357		49.62%	14,076	1.05%	619,035		894,
2012	2,739,653		49.61%	13,975	1.03%	630,184	308,578	910,
2013	2,785,141		{	13,857	1.00%			925,6
2014	2,828,168				0.98%	650,587		939,9
2015	2,868,979					1		953,
2016	2,907,639		49.61%	-		668,877		966,4
2017	2,944,651			,	0.91%	677,390		
2018	2,980,108			13,024	0.88%	685,545		1
2019	3,014,119		49.61%	12,812	0.86%	693,367		1,001,8
2020	3,046,846		49.61%	12,587		700,897		1,012,6
		980-1997)			Standard De			
	• ·	1998-2020)			Latest/Most			
Assumptions					Domestic only		, <i>-</i>	
		r Use per Perso	n			Gallons per p	erson per dav	·
		er Use Coeffici		0.3528			person per yea	ur
					******			

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses. Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

State of								Page 2 of 2
<mark>Part 2-Est</mark> i	mated M&		lic & Self-S	Supplied D	omestic Wa		cre-Feet)	
ears: Actuals 1980-1997; Forecasts 1998-2018	Forecasted Population on Public Water Systems [1]	Forecasted Public Supplied Domestic Water Use [1]	Forecasted Self Supplied Domestic Water Use [1]	Forecasted Population on Public Water Systems [2]	Variable Percent of Population on Public Supply	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&1) Wate Use [2] [3]
1980	754,117	173,675	9,178					
1981	797,180	183,592	9,702					
1982	820,496	188,962	9,986	·				-
1983	845,168	194,644	10,286					-
1984	869,115	200,159	10,577					-
1985	900,419	207,368	10,958					-
1986	935,661	215,485	11,387					-
1987	975,058	224,558	11,867					-
1988	1,032,608	237,812	12,567					-
1989	1,094,981	252,176	13,326					-
1990	1,164,494	268,185	14,172					-
1991	1,224,060	281,903	14,897					-
1992	1,267,088	291,813	15,421	. <b></b>				-
1993	1,317,775	303,486	16,038					-
1994	1,405,056	323,587	17,100					-
1995	1,487,636	342,605	18,106	1	94.20%	342,605	18,105	524,86
1996	1,586,947	1 1	19,097		94.30%	366,161	19,010	561,14
1997	1,676,705		20,050		94.37%	387,641	19,866	594,24
1998	1,729,090		20,614	1,732,992	94.42%	400,021	20,329	
1999	1,794,897	1	21,241	1,800,276	94.49%	415,740		
2000	1,871,150		21,915			434,063	1 · · ·	665,87
2001	1,942,780		22,566		94.65%	451,251	21,925	692,43
2002	2,011,670				1	467,771	22,427	
2003	2,077,931	482,636	1			483,653		
2004	2,142,458	1				499,118		
2005	2,205,688				•	514,277		789,70
2006	2,267,956					529,214		812,73
2007	2,327,091	541,679			1	543,390		834,5
2008	2,383,198		26,734			556,832	25,024	855,20
2009	2,436,560					569,610		874,9
2010	2,487,297					581,756		893,5
2011	2,535,389			1	95.14%	593,265		911,2
2012	2,580,887					604,151		
2013	2,623,738	1 -						943,6
2014	2,664,272							958,5
2015	2,702,718		1 .		1	-		972,6
2016	2,739,137							985,9
2017	2,774,004				:			
2018	2,807,406				1	· ·		1 .
2019	2,839,446	1 1	· ·				1	
2020	2,870,277						1	
Assumption.			,	M&I Factor		<u>.                                    </u>		
		(Public Suppli	ed)				erson per day-	-public suppl
		ter Use Coeffic		0.3528			person per yea	
		son - Self-Supp				erson per day-		
	ed Water Use (	••			Acre-feet per			
<u></u>	ed Population of					al resident pop		

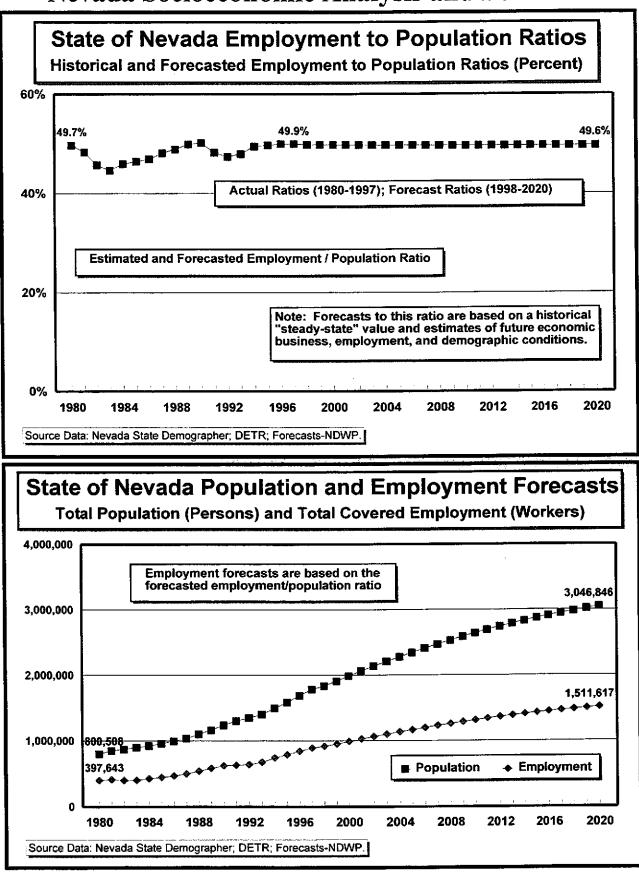
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

[2] Estimates/forecasts are based on a variable percent of total resident population or public supplied water systems.
 [2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2
 [3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.
 Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

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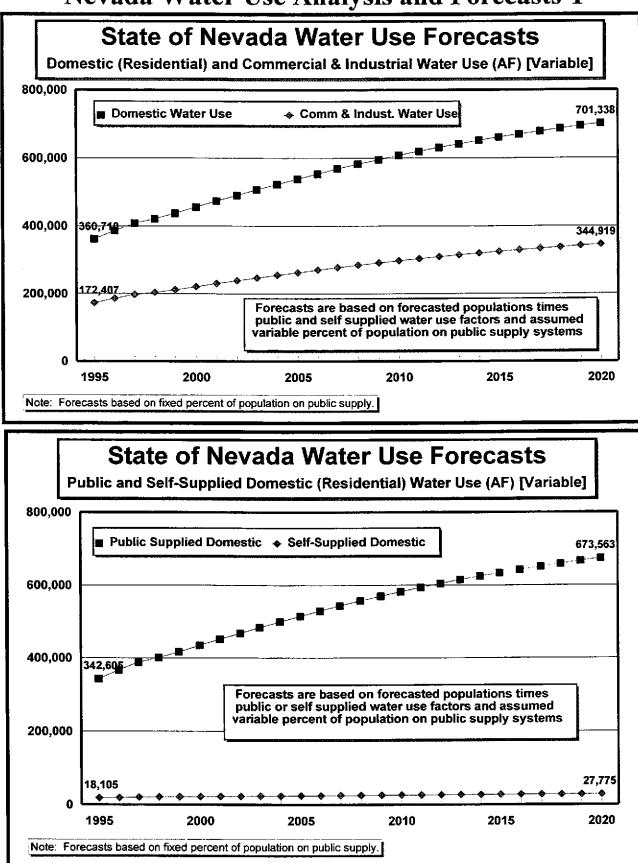
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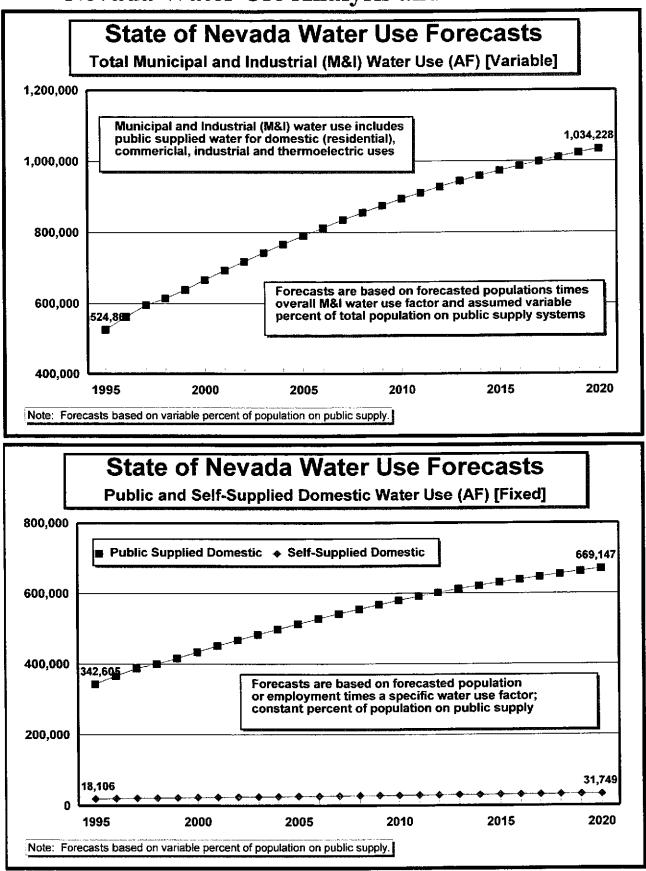
# **Nevada Socioeconomic Analysis and Forecasts**



Nevada Division of Water Planning/Socioeconomic Analysis and Forecasts

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### Carson City Water Withdrawal Forecasts

Page 1 of 2 :

Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

	Estimated and Forecasted	Estimated and	Employment/ Population	Estimated and Forecasted Mining	Share of Total Covered Employment	Forecasted Total Domestic (Residential)	Forecasted Total Commercial and Industrial	Forecasted Municipal & Industrial (M&I) Water
1980	32,022	15,507	48.43%			4,859	1,343	
1981	33,290		47.45%	95		5,051	1,362	6,650
1982	34,070				0.43%			6,805
1983	34,610		44.77%	54	0.35%			
1984	34,950			48	,			
1985	35,650							
1986	36,340						-	
1987	36,990		51.47%			5,612		1
1988	38,280	20,148		28			•	
1989	39,970	20,815				,		
1990 :	40,950	,	52.55%			6,213		
1991	41,130		52.45%	57		6,241		
1992	42,140						•	
1993	43,460	,	51.55%			-		
1994	44,580			: 2) 7		6,764		
1995	46,770						1	
1995	48,860							
1990	48,800				1			
1997	51,771	· · · · · · · · · · · · · · · · · · ·	55.15%					
,	,						1	
1999	53,117					,		
2000	54,445						-	
2001	55,752		55.04%			8,459		
2002	57,034			11	0.04%			
2003	58,289		1					
2004	59,513		54.93%					
2005	60,703	· · · ·						
2006	61,856						· ·	
2007	62,970							
2008	64,040					· · ·		
2009	65,065							
2010	66,041							
2011	66,966	,						
2012	67,836							
2013	68,650							
2014	69,405		54.57%	13			,	
2015	70,099							
2016	70,730	38,549	54.50%					
2017	71,296	38,832	54.47%	13	0.03%	10,818		
2018	71,795	39,078	54.43%	· 13	0.03%	10,893		
2019	72,226	39,286	54.39%	13	0.03%	10,959		
2020	72,587	39,457	54.36%	. 13	0.03%	11,013	3,423	14,499
Actual Period	d Average (19	980-1997)	. 50.85%	3.35%	Standard De	eviation (1980	)-1997)	
Forecast Peri	od Average (	(1998-2020)			Latest/Most	Stable Period	d (1994-1997	)
Assumptions					Domestic only	<i>I</i> .		
		er Use per Perso	on	. 197.7			person per day	
		-						
	Domestic Wat	ter Use Coeffici	ients	0.2215	0.1517	Acre-feet pe	i person per ye	- CI
[M&I/Total ]	Domestic Wat 2 Industrial W	er Use Coeffic ater Use per W			Gallons per v			

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&l water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

Carson	City W	ater Wi	ithdrawa	al Forec	easts			Page 2 of 2
Part 2-Esti	mated M&	k I and Pub	lic & Self-S	Supplied D	omestic Wa	ter Use (A	cre-Feet)	
Years: Actuals		Forecasted Public Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Forecasted Population on Public Water	Variable	Forecasted Public Supplied Domestic	Forecasted Self Supplied Domestic	Industrial (M&I) Wate
1980	28,881	4,425	433					
1981	30,024	4,600	451					; <b>-</b> -
1982	30,728	4,708	461					-
1983	31,215		468		'			-
1984	31,522	4,830	473		, :			
1985	32,153	4,927	482		· · ·		·	. –
1986	32,775	5,022	492		_ <b></b> <sup> </sup>		·	-
1987	33,361		501		· ;			! •
1988	34,525		518					
1989	36,049				••		·	-
1990	36,933				· ;			
1991	37,095		557					
1992	38,006		570					•
1993	39,197		588		; <b></b> .			
1994	40,207		603		·		·	: .
1995	42,182		633	42,182	90.19%	6,463	633	9,34
1996	44,067			44,078	90.21%	6,754	660	9,70
1997	45,465	1 1		45,488	90.24%	6,970	679	10,0
1998	46,692			46,728	90.26%	7,160	696	10,34
1999	47,906	•				7,348		
2000	49,104	7,524	737	49,166	90.30%	7,533	728	10,8
2001	50,283					7,716	744	
2002	51,439	7,882	772	51,529	90.35% <sup> </sup>	7,896	759	
2003	52,571			52,676		8,071	774	
2004	53,675		805			8,243	si 789	
2005	54,748	,		54,885		8,410	803	12,14
2006	55,789	-		55,942	90.44%	8,572	816	
2007	56,793					8,728	8 829	12,6
2008	57,758			57,946	90.48%	8,879	9 841	
2009	58,682	,				9,023	8 852	13,0
2010	59,563			59,786	90.53%	9,161	ໄ 863	
2011	60,396			-		9,291	873	13,4
2012	61,182					9,414	4 882	13,5
2013	61,916					9,530	) 891	13,7
2014	62,597		1			9,637	7 898	13,9
2015	63,223						5 905	
2016	63,792		•		1			14,1
2017	64,302							5 14,2
2018	64,752						9 920	14,3
2019	65,141							
2020	65,466			•				14,5
Assumption					Domestic only	· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·		(Public Suppl	ied)		136.8	Gallons per	person per day-	
[Public Supp	blied Water Water	ater Use Coeffi	cients]	0.2215			r person per yea	ar
Domestic Wa	ter Use per Per	rson - Self-Sup	plied Water		dallons per p			
10.16.0	ed Water Use	Castiniant		0.1500	) Acre-feet per			

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

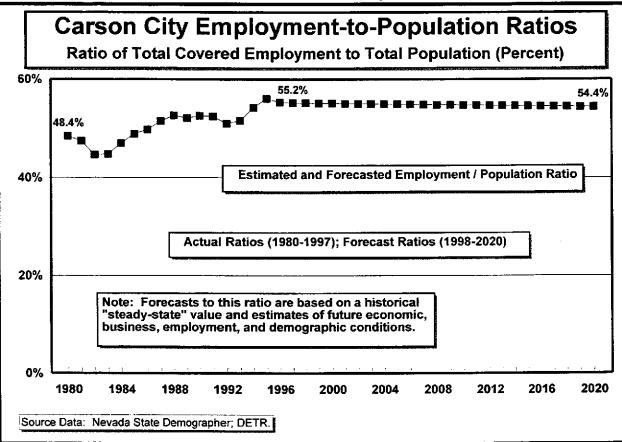
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

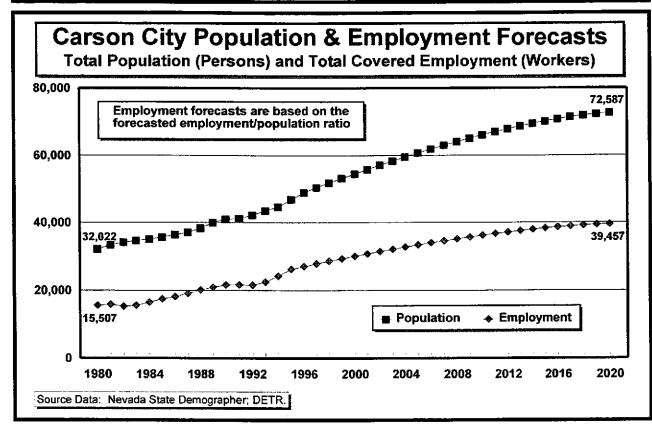
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

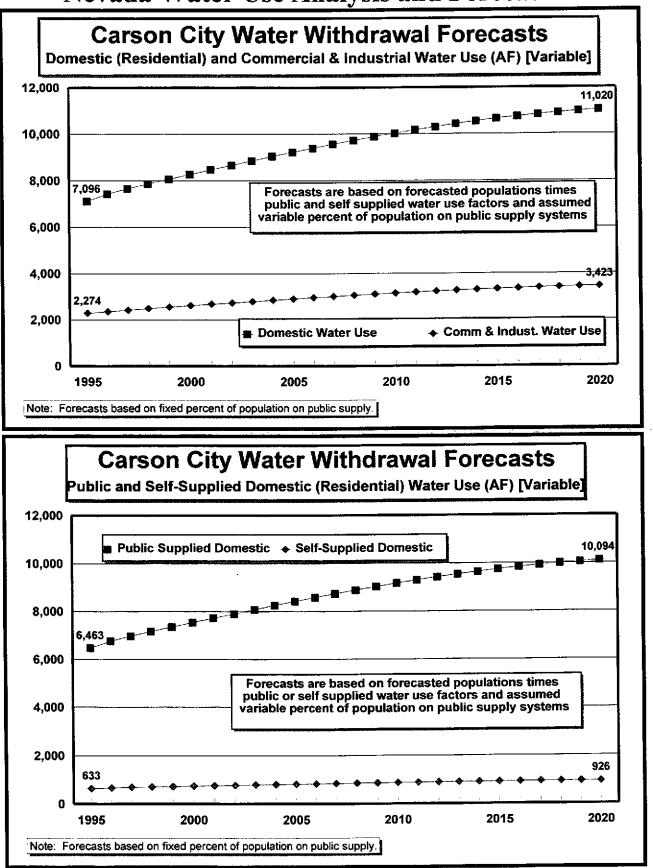
[3] M&l water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

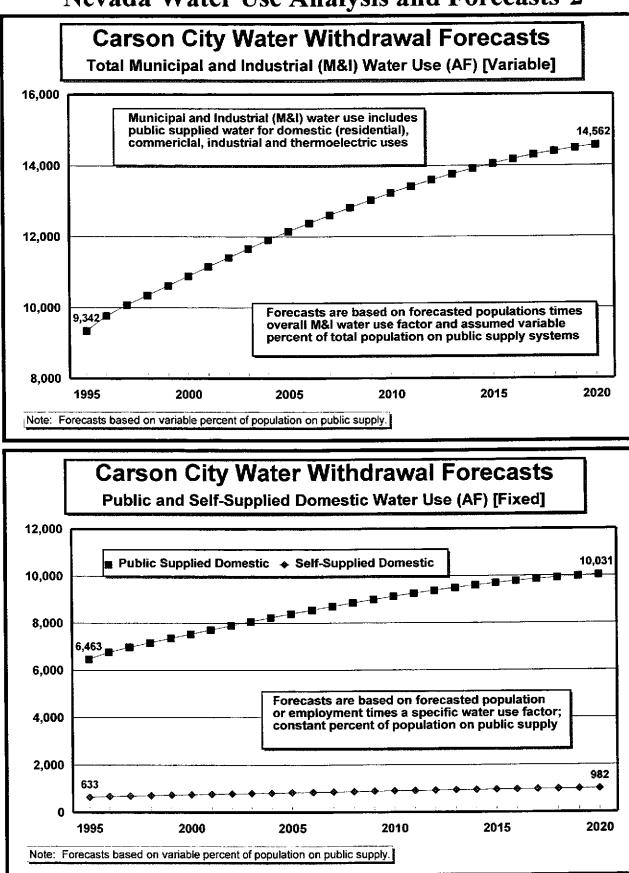
Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

# Nevada Socioeconomic Analysis and Forecasts









### **Churchill County Water Withdrawal Forecasts**

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

	Estimated and	Estimated and		Estimated and	<b>a</b>	Forecasted	Forecasted Total	Forecasted Municipal & Industrial
1980-1997;		Forecasted Total Covered	Employment/	Forecasted Mining	Share of Total Covered	l'otal Domestic (Residential)	and Industrial	(M&I) Wate
Forecasts 1998-2018	Resident Population	Employment	Ratio	Employment	Employment	Water Use[1]	Water Use[2]	Use [1] [3]
1980	13,917	3,556	25.55%	93	2.62%	2,223	710	2,29
1981	14,390			117	3.24%	2,299	717	2,37
1982	14,480		24.92%	44	1.21%	2,313	731	2,39
1983	14,610					2,334	742	2,41
1984	14,810		26.32%			2,366	790	2,44
1985	15,120		28.08%		1.01%	2,415	861	2,49
1986	15,400	4,454	28.92%	32		2,460		2,54
1987	16,710	· · · · · · · · · · · · · · · · · · ·	30.49%					2,75
1988	17,790			30	0.54%	2,842		2,93
1989	17,990							2,97
1990	18,100			25	0.43%			
1991	18,330	5,837					1,194	3,02
1992	19,210					3,069	•	
1992	19,210	•	31.52%	22		3,171	1,278	
1993	20,570		32.83%					3,39
1994	20,570	6,967	1			-		
1995	22,580					. ,		
1990	23,860		32.00%		1			
1997	23,300					3,926		
1999	24,379	4 C	32.06%	•				
2000	25,500		1	i				
2000	26,737					•	•	-
2001	20,737							
2002	27,433			1				1
2003	28,869					•		
2004	29,568	1 1						
2003	30,258					1 · · · · ·		
	1				•			
2007	30,939					· · · · ·		
2008	31,609			1				
2009	32,266				1			
2010	32,910							
2011	33,539							
2012	34,151							
2013	34,745					•		
2014	35,320					1 1		
2015	35,875			,				
2016	36,407				1	1		
2017	36,917							
2018	37,402							
2019	; 37,862						1	
2020	38,296	*******						. 0,0
	d Average (1				5 Standard D			<b>`</b>
	iod Average	(1998-2020)	32.98%		Latest/Mos		u (1774-1797	<u> </u>
<b>Assumption</b>					Domestic onl			
	Domestic Wat						person per day	
···*	Domestic Wa & Industrial W			0.276	5 0.1597 6 Gallons per		r person per ye	
							r + excludes mur	11101

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Churchill County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

1980-1997; Forecasts 1998-2018	s Forecasted Population on Public Water Systems [1]	Supplied Domestic Water Use [1]	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water Systems [2]	Variable Percent of Population on Public Supply	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Water Use [2] [3]
1980	8,310	1,383	840		•• .			
1981	8,593	1,430	868				·	
1982	8,647	1,439	874					
1983	8,724	1,452	882					
1984	8,844	-	894					
1985	9,029		913				'	
1986	9,196		929		:		i :	
1987	9,978	1,661	1,008		<del></del>			
1988	10,623		1,074					
1989	10,742						:	
1990	10,808				i			
1991	10,945	1,822	1,106				i ;	
1992	11,471						;	
1993	11,853	1,973	1,198				: 	
1994	12,283	2,044						
1995	12,203	2,044	1,241	12,922	59.71%	2,151	1,306	3,573
1996	13,483			13,517		2,151		3,734
1990	14,248			14,319	60.01%			
1997	14,248	· · · · · · · · · · · · · · · · · · ·		14,519	60.16%	2,385 2,461		
1998	14,077	,		14,788	60.10%	2,401		4,203
2000	15,107				60.31% 60.46%			4,329
2000	15,966	,				2,618		
					60.61%			4,581
2002	16,393				60.7 <b>7</b> %			
2003	16,818	1 1			60.92%	-		4,707
2004	17,239	,	,		61.07%			
2005	17,656			18,102	61.22%	3,013		
2006	18,068							5,080
2007	18,475		· · · · · · · · · · · · · · · · · · ·	19,037	61.53%	3,168		
2008	18,875		1,908					5,323
2009	19,267			19,953	61.84%	3,321		
2010	19,652				61.99%			5,559
2011	20,027			20,843	62.15%	3,469		5,674
2012	20,393			21,277				5,786
2013	20,747			21,701	62.46%	· · ·		5,896
2014	21,091					3,681		
2015	21,422							
2016	21,740	-				3,813		
2017	22,044	,		23,289				
2018	22,334				63.24%			
2019	22,609		•	24,005		•		
2020	22,868	3,806	2,311	24,341	63.56%	4,051	2,091	6,569
Assumption				M&I Factor	Domestic only			
M&I / Dome	stic Use/Person	(Public Suppli	ed)	246.9			person per day	public supply
	plied Water Wa			0.2765			r person per yea	
····	ater Use per Per				Gallons per p	erson per day-	-self supply	
	ied Water Use C				Acre-feet per			
	· · · · · · · · · · · · · · · · · · ·	······································	olic Supply		Percent of tot	·*		

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

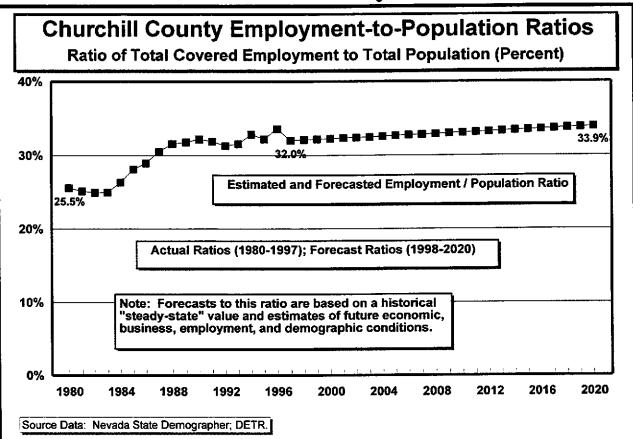
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

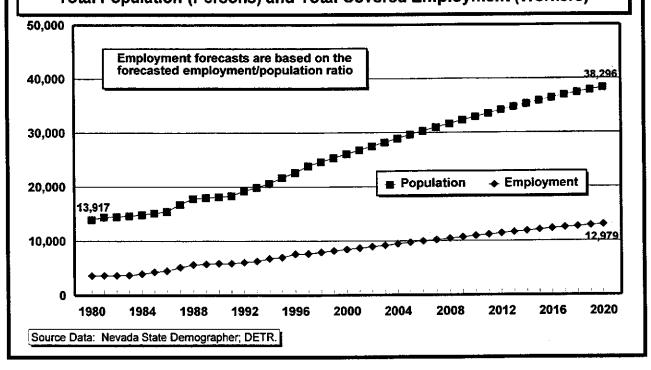
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

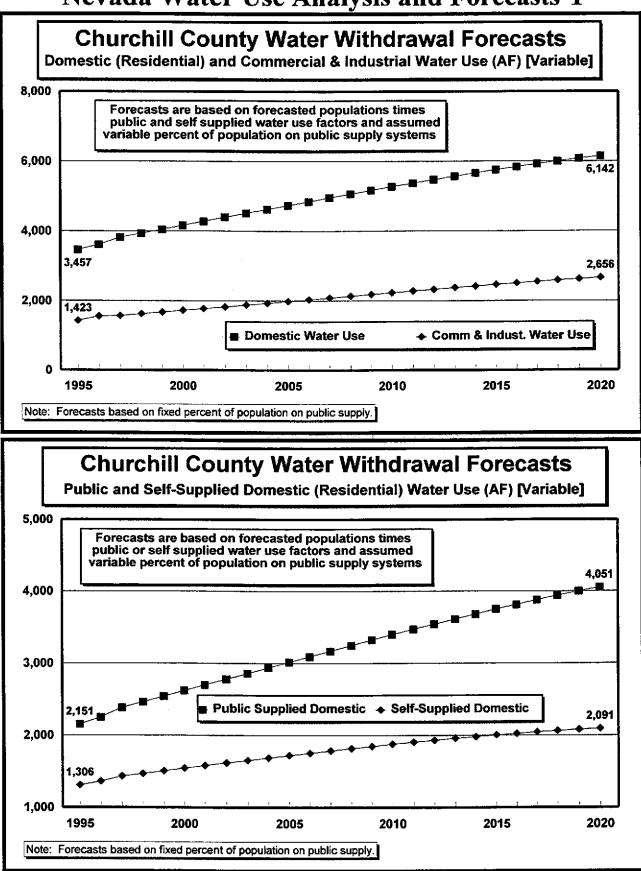
Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

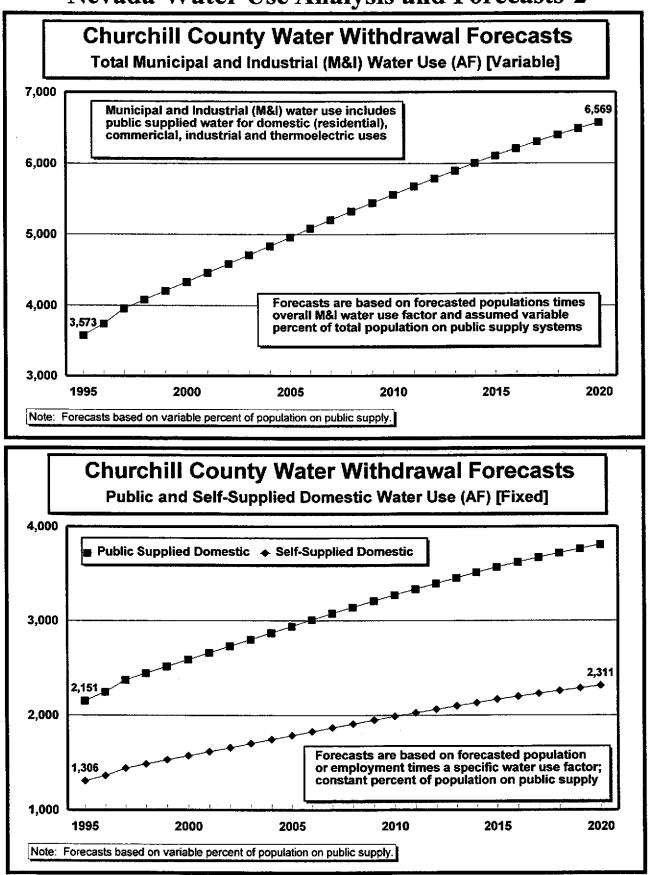
# Nevada Socioeconomic Analysis and Forecasts



Churchill County Population & Employment Forecasts Total Population (Persons) and Total Covered Employment (Workers)







### Clark County Water Withdrawal Forecasts

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

			······	·			Forecasted	
Years: Actuals	Estimated and Forecasted	Estimated and Forecasted	Employment/	Estimated and	Share of Total	Forecasted	Total c Commercial ;	Municipal & : Industrial
Forecasts	Resident	Total Covered		Mining	Covered	(Residential)	and Industrial	(M&I) Water
1998-2018		Employment	Ratio				Water Use[2]	
1980	463,087		46.68%		0.22%	110,247		
1981	491,620	, ,		504				
1982	507,510		42.76%	410	0.19%			186,062
1983	525,050	• • •				124,999		
1984	539,030	231,684	42.98%	291	0.13%	128,327		
1985	562,280				0.10%	133,862		
1986	587,760				0.11%			215,483
1987	616,650		45.94%	284	0.10%	146,806		
1988	661,690		46.28%	199	0.06%	157,529		242,587
± 1989	708,750	339,256	47.87%	266	0.08%	168,732		
1990	770,280	374,231	48.58%	254	0.07%			282,398
1991	820,840	382,103	46.55%	232	0.06%	195,418	92,144	300,935
1992	856,350	390,065	45.55%	302	0.08%	203,872	94,048	313,953
1993	898,020	415,550	46.27%	405	0.10%	213,792	100,173	329,230
1994	971,680	467,143	48.08%	387	0.08%	231,328	112,627	356,235
1995	1,036,290	502,180	48.46%	448	0.09%	246,710	121,066	379,922
1996	1,115,940	548,282	49.13%	542	0.10%	265,672	132,168	409,123
1997	1,192,200	585,822	49.14%		0.10%	283,827	141,219	437,082
1998	1,233,347	606,192	49.15%		0.09%	293,623	146,134	452,167
1999	1,288,781	633,597	49.16%		0.09%	306,821	152,745	472,490
2000	1,355,368	666,499			0.09%	322,673	160,682	496,902
2001	1,417,132	697,045						519,546
2002	1,476,095			599	0.08%			541,163
2003	1,532,400		49.21%	1				561,805
2004	1,587,021	781,194						581,830
2005	1,640,444	r -						
2006	1,693,049						•	620,702
2007	1,742,557	1 1			0.07%			
2008	1,789,103					. ,		655,917
2009	1,833,010		49.29%					
2010	1,874,431		49.30%					687,200
2011	1,913,368		49.31%					701,475
2012	1,949,898					1		714,867
2013	1,983,988	• /			0.06%	472,329		727,365
2014	2,016,010		49.35%			•		739,105
2015	2,046,229			:	0.06%	487,146		750,184
2016	2,074,731	1,024,333	49.37%					760,633
2017	2,102,041			1 C				770,646
2018	2,128,269	1	1	1		506,678		780,261
2019	2,153,544				1			789,527
2020	2,178,046					518,528		
		980-1997)			Standard De			
		1998-2020)					d (1994-1997)	
Assumptions	<b>_</b>				Domestic only	·		
1-1		r Use per Perso					person per day	
		er Use Coeffici		0.3744			r person per day	٩r
·····		ater Use per W					(excludes mini	
		Water Use Coe		1			excludes min.	-
		water Use Coe			Acte-leet per	worker per ye	a (excludes III	<u>s</u> /

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

## **Clark County Water Withdrawal Forecasts**

### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

ears: Actuals				Forecasted	Variable		Forecasted Self	Forecasted Municipal &
	Population on	Supplied	Supplied	Population on	Percent of	Supplied	Supplied	Industrial
Forecasts 1998-2018	Public Water	Domestic	Domestic Water Use [1]	Public Water Systems [2]	Population on Public Supply :	Domestic Water Lise [2]		(M&I) Water Use [2] [3]
1980	Systems [1] 453,514	108,192	2,056		Tublic Supply		·	- *- ***
1981	481,457	114,858					:	
1982	481,457 497,018	114,838						
1982	514,196	122,668	2,233				! · · ·	
1985	527,887	122,008						
1985	550,656	123,934	-				i :	-
1985	,	137,319	2,490	:				
	575,609	137,319	•				·	
1987	603,902	· ·						-
1988	648,011	154,592	2,937					
1989	694,098	165,586						
1990	754,356	179,962	3,419				;	
1991	803,871	191,774	3,644		·			-
1992	838,647	200,070	,		·			-
1993	879,455	209,806	3,986					-
1994	951,593	227,015			:		4 600	379,92
1995	1,014,867	242,110				242,110		
1996	1,092,870	260,719			97.96%	260,784		409,18
1997	1,167,554	278,535			+	278,675		
1998	1,207,850 j	288,149	5,475			288,365		452,38
1999	1,262,138	301,100				301,401		
2000	1,327,349	316,657			i	317,053		
2001	1,387,836	331,087	6,291			331,583		
2002	1,445,580	344,862				345,466		
2003	1,500,721	358,017						
2004	1,554,213	370,778	7,045			371,613		
2005	1,606,531	383,259	; 7,282	1,610,552				
2006	1,658,049	395,549	7,515	1,662,614	98.20%			
2007	1,706,533	407,116	7,735	1,711,660	98.23%			
2008	1,752,117	417,991	7,942	1,757,820	98.25%	419,351		
2009	1,795,117	428,249	8,137	1,801,410	98.28%	429,750		
2010	1,835,681	437,926			98.30%	439,571	6,840	688,84
<b>20</b> 11	1,873,813	447,023				448,814		
2012	1,909,588					457,497	6,909	
2013	1,942,973	463,522				465,612	. 6,925	729,4
2014	1,974,333					473,246	6,931	741,34
2015	2,003,928					480,459	6,926	752,5
2016	2,031,841	484,722					6,913	763,1
2017	2,058,586					-		773,3:
2018	2,084,272	497,230				,		
2019	2,109,024					506,163		
2020	2,133,020	508,860				512,050		
Assumptions			2,000		Domestic only			
A	tic Use/Person	Public Supeli	ed)		213.0	Gallons ner	person per day-	-public supp
	lied Water Wat	• • • •		0.3744	1		r person per yea	
	er Use per Pers				Gailons per p			
	EL UNE DET PETS	ant + acti-ailDi						

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

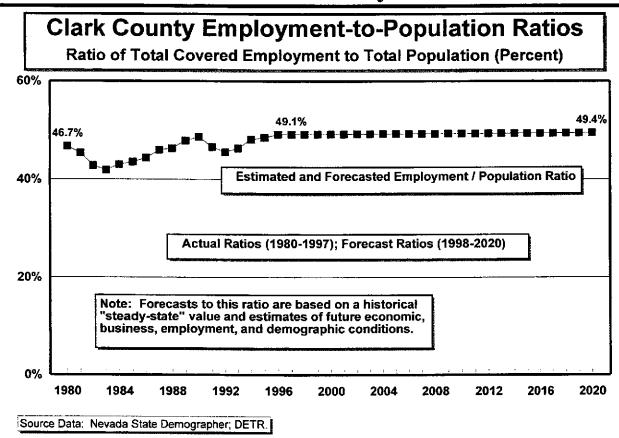
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

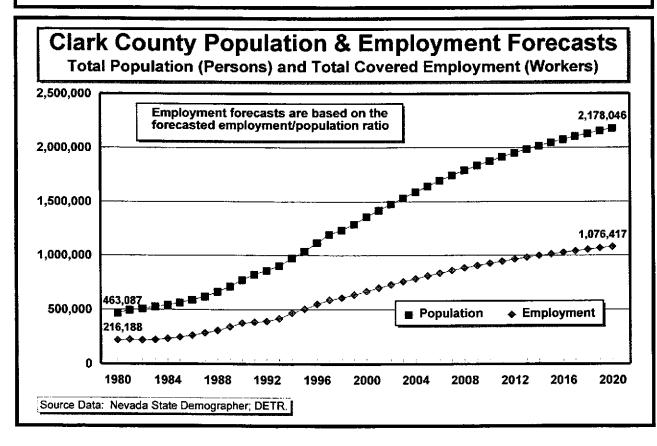
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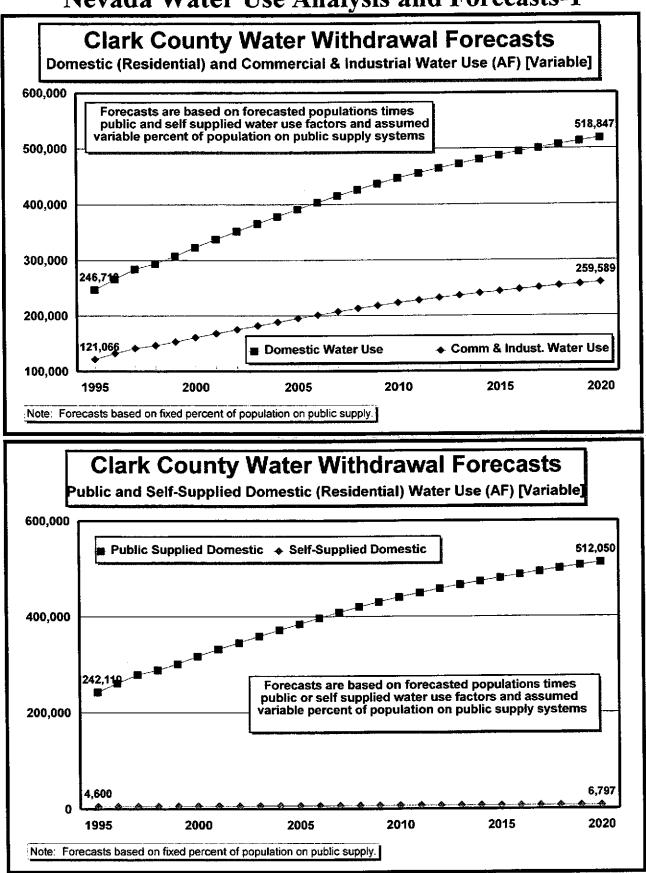
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

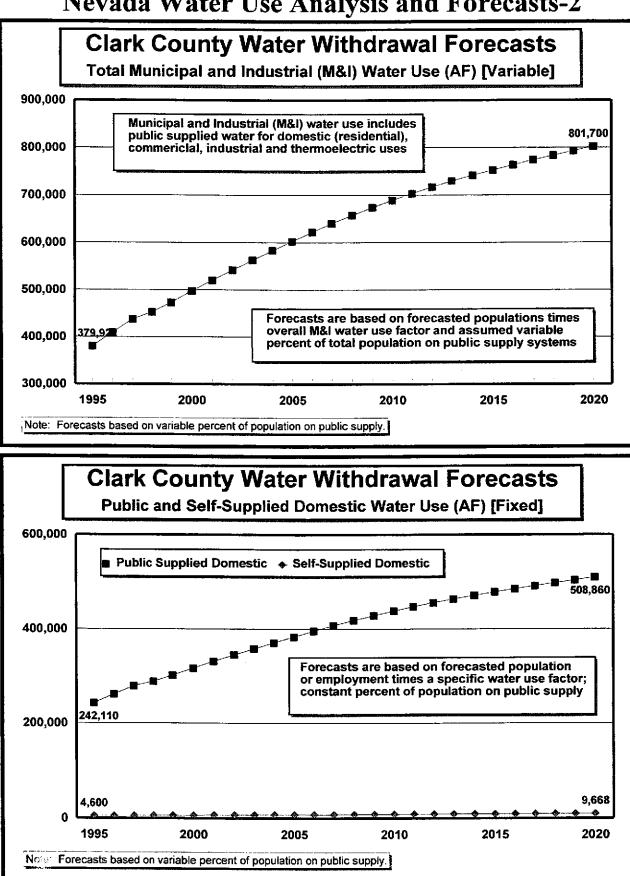
Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

# Nevada Socioeconomic Analysis and Forecasts









#### **Douglas County Water Withdrawal Forecasts** Page 1 of 2 Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet) Forecasted Forecasted Forecasted Total Municipal & Estimated and Years: Actuals Estimated and Estimated and Share of Total Total Domestic Commercial Industrial Employment/ 1980-1997; Forecasted Forecasted Forecasted Covered (Residential) and Industrial (M&I) Water Employment Water Use[1] Water Use[2] Use [1] [3] **Total Covered** Population Mining Forecasts Resident 1998-2018 Population Employment Ratio Employment 2,591 5,996 5,690 0.08% 1980 19,421 15,165 78.08% 12 2,591 6,302 5,980 0.08% 20,410 15,165 74.30% 12 **198**1 6,447 2,512 0.11% 6,118 1982 20,880 14,709 70.44% 16: 6,580 2,522 6,244 21,310 14,763 69.28% 16 0.11% 1983 6,790 6,443 2,772 56 0.35% 1984 21,990 16,269 73.98%

1984	21,990	10,209	13.9070	50.	0.3370	0,5	2,772	0,120
1985	23,000	17,185	74.72%	70	0.40%	6,739	2,927	7,101
1986	24,030	17,292	71.96%	46	0.27%	7,041	2,949	7,420
1987	25,070	16,922	67.50%	24	0.14% <sub>i</sub>	7,346	2,890	7,741
1988	25,900	17,144	66.19% <sup>i</sup>	43	0.25%	7,589 <sub>(</sub>	2,924	7,997
1989	26,930	18,328	68.06%	13	0.07%	7,891	3,132	8,315
1990	28,070	18,275	65.11%	14	0.08%	<b>8,2</b> 25	3,123	8,667
1991	28,810	17,719	61.50%	11	0.06%	8,442	3,028	8,895
1992	29,470	17,422	59.12%	13	0.07%	8,635	2,977	9,099
1993	30,390	17,820	58.64% <sup>1</sup>	16	0.09% <sub>i</sub>	8,904	3,045	9,383
1994	34,600	18,294	52.87%	19	0.11%	10,138	3,125	10,683
1995	35,880	19,277	53.73%	19 <sup>±</sup>	0.10%	10,513 !	3,293	11,078
1996	37,480	19,296	51.48%	19	0.10%	10,982	3,297	11,572
1997	39,590	19,567	49.42%	35	0.18%	11,600	<u> </u>	12,224
1998	40,671	20,086	49.39%	35	0.18%	11,917	3,429	12,558
1999	41,753	20,605	49.35%	36	0.17%	12,234	3,517	12,892
2000	42,834	21,123	49.31% <sup>±</sup>	36	0.17%	12,551	3,606	13,225
2001	43,913	21,639	49.28%	36	0.17%	12,867	3,694	13,55
2002	44,989	22,152	49.24%	36	0.16%	13,182	3,782	13,89
2003	46,060	22,663	49.20% <sup>1</sup>	36	0.16%	13,496	3,869	14,22
2004	47,124	23,169	49.17%	37	0.16%	13,808	3,956	14,55
2005	48,180	23,670	49.13%	37	0.15%	14,117 <sup>+</sup>	4,041	14,87
2006	49,225	24,165	49.09%	37	0.15%	14,423	4,126	15,19
2007	50,259	24,654	49.05%	37	0.15%	14,726	4,210	15,51
2008	51,279	25,136	49.02%	37	0.15%	15,025	4,292	15,83
2009	52,284	25,609	48.98%	37	0.14%	15,320	4,373 <sup>i</sup>	16,14
2010	53,272	26,074	48.94%	36	0.14%	15,609	4,453	16,44
2011	54,242	26,528	48.91%	36	0.14%	15,893 <sub>1</sub>	4,530 <sup>±</sup>	16,74
2012	55,191	26,972	48.87%	36	0.13% <sup>°</sup>	16,171	4,606	17,04
2013	56,118	27,405	48.83%	36	0.13%	16,443	4,680	17,32
<b>2014</b>	57,022	27,825	48.80%	36	0.13%	16,708	4,752	17,60
2015	57,900 <sup> </sup>	28,233	48.76%	35	0.12%	16,965	4,822	17,87
2016	58,751	28,626	48.72%	35 '	0.12% <sub>(</sub>	17,215	4,889	18,14
2017	59,574	29,005	48.69%	34	0.12%	17,456 <sub>;</sub>	4,954	18,39
2018	60,366	29,369	48.65%	34	0.12%	17,688	5,016	18,63
2019	61,127	29,717	48.61%	34	0.11%	17,911	5,076	18,87
2020	61,854	30,048	48.58%	33	0.11%	18,124	5,133	19,09
Actual Period Average (1980-1997) 64.80%						ation (1980-19		
	od Average (19	98-2020)	48.98%			able Period (1	994-1997)	
Assumptions:				M&I Factor Do				
	omestic Water L	•				allons per pers		
	Domestic Water					cre-feet per per		
Commercial &	Industrial Wate	r Use per Wor	ker			ker per day (ex		
			· · · ·	A 101A 4	£		avaludae mini	ומר

[Commercial & Industrial Water Use Coefficient] 0.1710 Acre-feet per worker per year (excludes mining)

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

### **Douglas County Water Withdrawal Forecasts**

Page 2 of 2

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

ears: Actuals 1980-1997; Forecasts 1998-2018	Forecasted Population on Public Water Systems [1]	Forecasted Public Supplied Domestic Water Use [1]	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Variable Percent of Population on Public Supply	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&I) Water
1980	17,496		513					
1981	18,387	5,442				• •	;	
1982	18,810	5,567	551					
1983	19,197	5,682	562				· ·	
1984	19,810							
1985	20,720	6,132	607				· · ·	_
1986	21,648	6,407	634				:	_
1987	22,585		662		!		· .	-
1988	23,332	6,905	684					
1989	24,260	7,180	711					_
1990	25,287	7,180	741					_
1990	25,287	7,484	741					_
1991	25,954	7,857	780				: .	_
1992	20,348	8,102		 :				-
1993	31,170		802 913					-
1994	32,323						947	11,07
		9,566	947	32,323	90.09%	9,566		
1996 1997	33,764	9,993	989	· · · · ·		9,995 10,561	1,040	12,22
Address of the second sec	35,665	10,555	1,045	35,683	90.13%	<u>(, , , , , , , , , , , , , , , , , , , </u>	· · · · · · · · · · · · · · · · · · ·	
1998	36,639	10,843	1,073	36,666		10,852		12,56
1999	37,613	11,132	1,102		90.18%	11,143	1,092	12,90
2000	38,588		1,131	38,636		11,434		
2001	39,560		1,159			11,726		
2002	40,529	,	1,187			12,016		
2003	41,494	,	1,216			12,305		
2004	42,452	12,564	1,244	42,548		12,592		14,57
2005	43,403		1,272			12,878		
2006	44,345	13,124	1,299	44,467	90.33%			
2007	45,276					13,440		
2008	46,196		1,353		90.38%			
2009	47,101	,	1,380			13,989		
2010	47,991	14,203	1,406		90.42%			16,50
2011	48,865		1,432	49,060	,	-		
2012	49,720	14,715	· · · · · · · · · · · · · · · · · · ·		90.47%		•	17,10
2013	50,555	14,962	1,481	50,783	90.49%	15,029		17,39
2014	51,369	15,203	1,505		90.52%			17,67
2015	52,160		1,528	52,421	90.54%			
2016	52,927	15, <b>66</b> 4	1,551	, .		15,746		18,22
2017	53,668		1,572	53,964	90.58%	15,971		
2018	54,382	16,094		54,695		16,187		18,73
2019	55,067			55,398	90.63%	16,395		
2020	55,722	16,491	1,633	56,071	90.65%	16,595	1,540	19,20
ssumptions	<u>:</u>			M&I Factor	Domestic only			<b>.</b>
4&I / Domes	tic Use/Person (	Public Supplie	:d)	306.0	264.2	Gallons per p	person per day	public suppl
[Public Supp	lied Water Wat	er Use Coeffic	ients]	0.3427			person per year	
omestic Wat	ter Use per Pers	on - Self-Supp	lied Water		: Gallons per pe	erson per day-	-self supply	
	ed Water Use C				Acre-feet per			

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

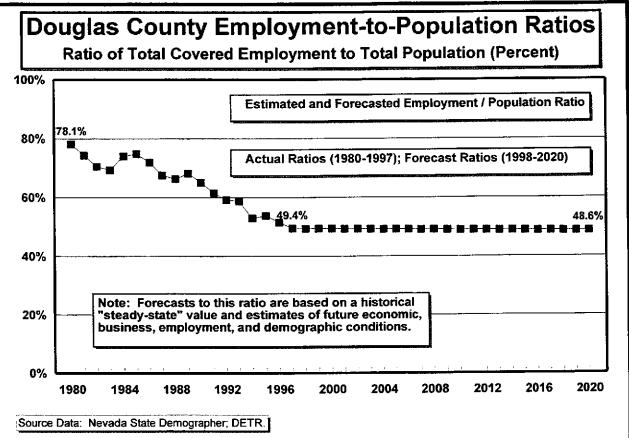
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

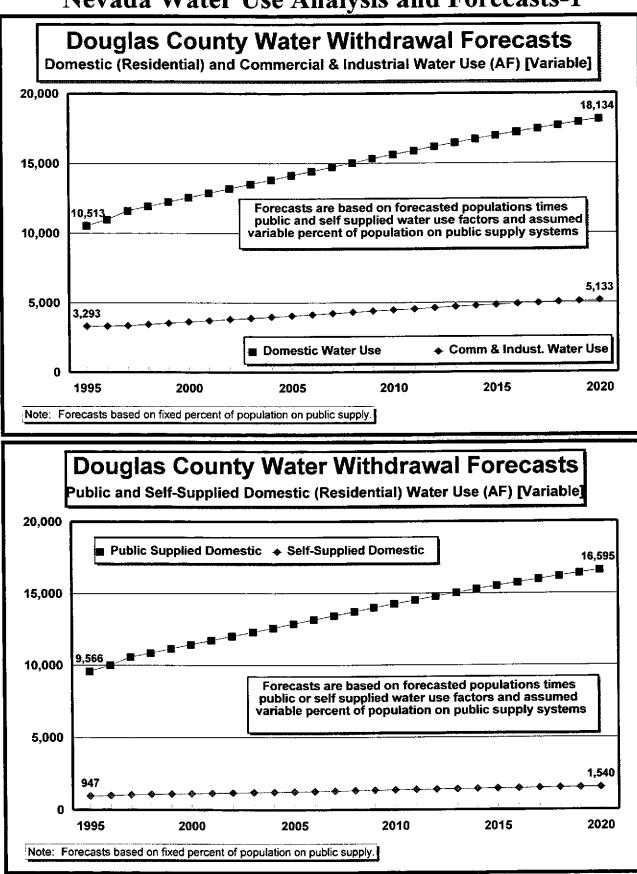
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

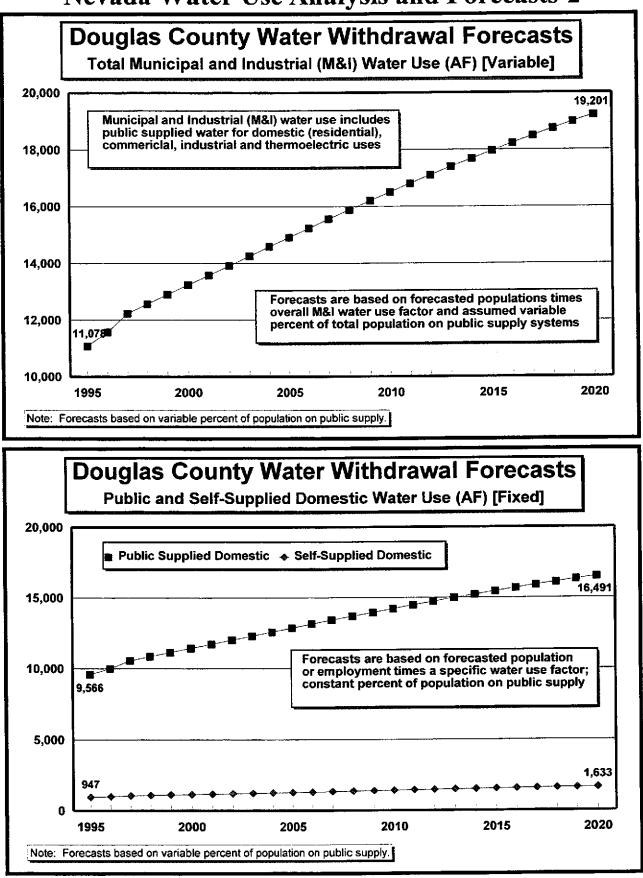
Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

# Nevada Socioeconomic Analysis and Forecasts



**Douglas County Population & Employment Forecast** Total Population (Persons) and Total Covered Employment (Workers) 80,000 Employment forecasts are based on the forecasted employment/population ratio 61.854 60,000 40,000 30.048 19,421 20,000 . 15.165 Population Employment 0 2020 2008 2012 2016 1980 1984 1988 1992 1996 2000 2004 Source Data: Nevada State Demographer; DETR.





### Elko County Water Withdrawal Forecasts

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

Years: Actuals 1980-1997; Forecasts	Estimated and Forecasted Resident	Estimated and Forecasted Total Covered	Employment/ Population	Estimated and Forecasted Mining	Share of Total Covered	Forecasted Fotal Domestic (Residential)	Forecasted Total Commercial and Industrial	Forecasted Municipal & Industrial (M&I) Water
1998-2018		Employment		······································	Employment 5.67%	4,651		
1980	17,269	8,075	46.76%	458				
1981	18,650					5,023	· · ·	6,769
1982	19,530		46.28%				3,827	,
1983	20,450							
1984	21,420					5,769		7,424
1985	22,350			774				
1986	23,320	· · ·	45.66%				4,609	8,082
1987	24,300			973	8.51%		4,865	8,422
1988	27,010		48.73%	· · · ·	7.99%	7,275		
1989	31,830		46.39%	1,180	7.99%	8,573	6,320	
1990	33,770		45.53%	1,289		9,095		
1991	35,950	15,582	43.34%	1,400	8.98%	9,683	6,596	
1992	37,420	15,940	42.60%	1,393	8.74%			12,969
1993	39,340	16,580	42.15%	1,329	8.01%	10,596		
1994	41,260	17,461	42.32%	1,240	7.10%	11,113	7,545	14,300
1995	43,050	18,370	42.67%	1,295	7.05%	11,595	7,942	14,920
1996	45,630	19,727	43.23%		<sup>1</sup> 7.70%	12,290	8,469	15,814
1 <b>997</b>	47,710	20,182	42.30%	1,427	7.07%	12,850	8,723	16,535
1998	49,041	20,750		1,426	6.87%	13,209	8,988	16,996
: 1999	50,360			1	6.67%	13,564	9,252	17,454
<sup>i</sup> 2000	51,665		42.33%		1	13,915		17,906
2001	52,951			1 · · · · · · · · · · · · · · · · · · ·	6.27%	14,262		
2002	54,217					-	i .	
2003	55,458			1 1				
2004	56,673			1,362				
2005	57,857		42.39%					
2006	59,009			1	·	-		
2007	60,124							
2008	61,200							
2009	62,234							
2010	63,224					17,028		
2011	64,166		42.45%					
2012	65,058					17,522		
2012	65,897			•				
2013	66,681					17,960		
2014	67,408	,		,		18,155		
2015	68,075			1		18,135		
							1	
2017	68,681							, .
2018	69,224			· ·				
2019	69,701	,		1		18,773		
2020	70,113			· · · · · · · · · · · · · · · · · · ·		18,884		24,299
		980-1997)		1	Standard De			
	· ······	1998-2020)	42.43%		Latest/Most		1 (1994-1997)	· · · · · · · · · · · · · · · · · · ·
Assumptions					Domestic only	· · · · · · · · · · · · · · · · · · ·	and the second s	
		r Use per Perso		331.7			person per day	
http://www.article.com		er Use Coeffici	· · · · · · · · · · · · · · · · · · ·	0.3716			r person per ye	
		ater Use per W			Gallons per v			
		Water Use Coe anivalent to app			Acre-feet per	worker per ye	ai (excludes II	uuung)

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

Elko Co	ounty W	ater W	itndraw	al Fore	casts			Page 2 of 2
Part 2-Esti	imated M&	l and Pub	lic & Self-S	Supplied D	o <mark>mestic W</mark> a	ter Use (A	cre-Feet)	
rears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Forecasted Public Supplied Domestic Water Use [1]		Population on Public Water	Population on :	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&I) Wate
1980	16,106	4,368	284		·			-
1981	17,394	4,717	306				·	-
1982	18,215	4,939	321		,			-
1983	19,073	5,172	336				· :	-
1984	19,978		352					-
1985	20,845	5,653	367					-
1986	21,750	5,898	383					
1987	22,664				;		·	
1988	25,191	6,831						
1989	29,687	,	523					
1990	31,496	8,541						
1991	33,529	9,092	590		·			
1992	34,900		615					
1993	36,691	9,950						
1994	38,482	10,435	678					
1995	40,151	· · ·	707	40,151	93.27%	10,888	707	14,9
1996	42,557			42,568		11,543		15,8
1997	44,497				93.31%	12,072		
1998	45,739		805	45,773	93.34%	12,412		17,0
1999	46,969			47,016		12,750	and the second	17,4
2000	48,186			48,246		13,083	•	17,9
2001	49,385		870			13,412		18,3
2002	50,566	· · · ·		50,654	1	13,736		
2003	51,724	,		51,827	93.45%	14,054	1	
2004	52,856		931			14,366		19,6
2005	53,961			,	1	14,669		
2005	55,035			55,186		14,965		
2007	56,075	,				15,252		,
2008	57,079			57,265				
2009	58,043			58,247		15,795		
2010	58,966		•					
2011	59,845			60,085		16,293	1	
2012	60,677			60,935				•
2012	61,459					1		
2013	62,191							23,1
2014	62,869							
2015	63,491					17,308	1	
2010	64,056							
2017	64,562							
2018	65,008					1 C		
2019	65,391			65,801		17,754		24,2
Assumptions		17,732	1,131		Domestic only			
· · · · · · · · · · · · · · · · · · ·		(Bublic Sumeli					person per day-	nublic supp
	&I / Domestic Use/Person (Public Supplied) Public Supplied Water Water Use Coefficients]						r person per yea	
	omestic Water Use per Person - Self-Supplied Water				Gallons per p			•
	-		med water			-		
[Sen-Supplie	ed Water Use (	Joemcientj		0.2435	Acre-feet per	person per ye	ai	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

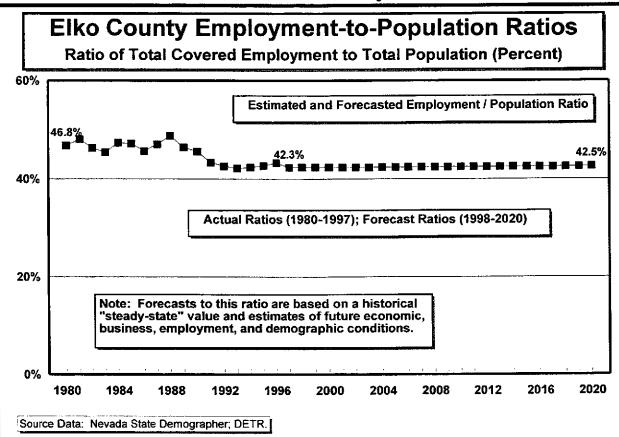
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

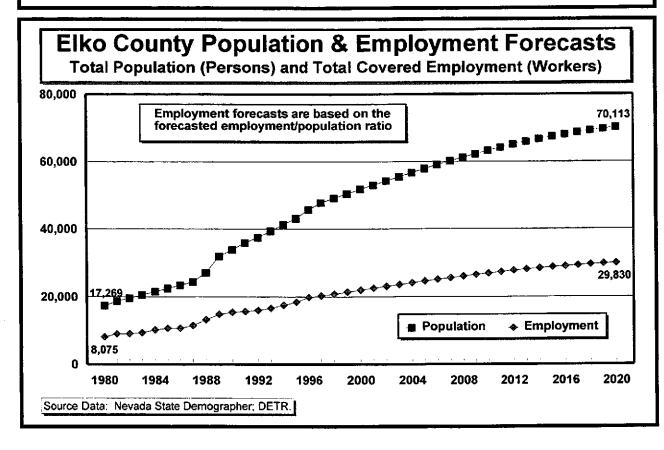
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

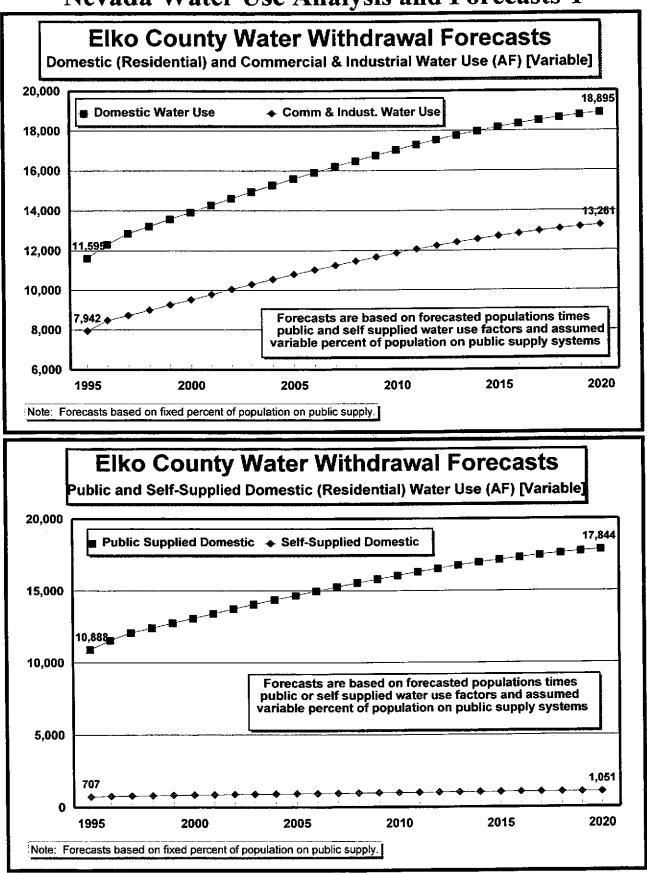
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

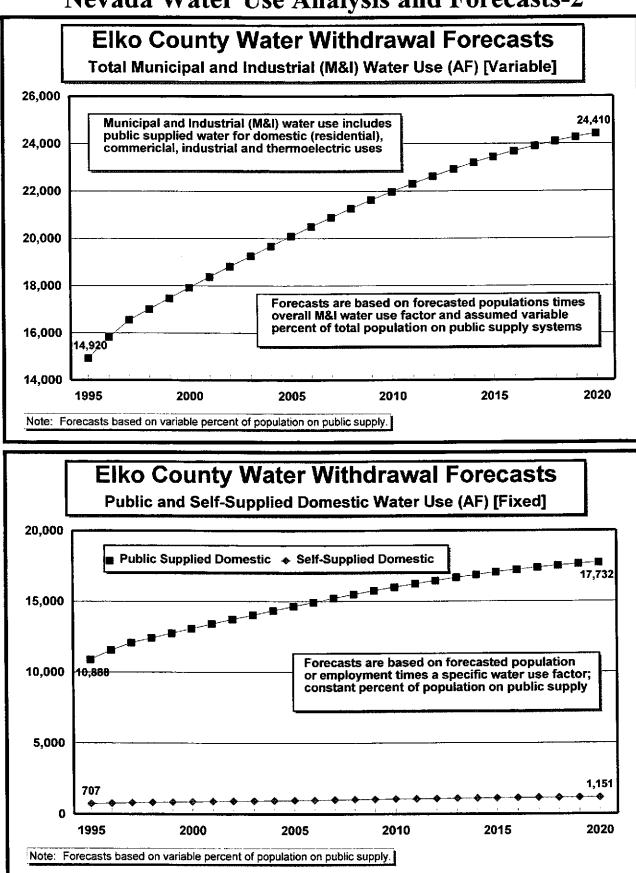
Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Nevada Socioeconomic Analysis and Forecasts









### Esmeralda County Water Withdrawal Forecasts

Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

Population 777 1,190	Employment 9	Population Ratio	Mining Employment	Covered Employment	(Residential) :	Commercial and Industrial Water Use[2]	Industrial (M&I) Wate Use [1] [3]
	248	31.96%	101 ·	40.47%	141	40	
1.170			174		217	60	221
1,320	460		237	51.50%	240	60	
1,480		27.04%			270	55	275
1,680					306	54	31
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	1998-2020)	. 22.22%	A REAL PROPERTY AND ADDRESS OF TAXABLE PROPERTY ADDRESS OF TAXABLE PROPERT			l (1994-1997)	
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	1,540 1,540 1,540 1,540 1,350 1,390 1,410 1,320 1,380 1,390 1,410 1,320 1,380 1,630 1,490 1,467 1,474 1,460 1,467 1,474 1,480 1,492 1,498 1,503 1,503 1,509 1,513 1,518 1,522 1,526 1,530 1,533 1,536 1,539 1,541 1,544 1,545 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550 1,547 1,548 1,549 1,550	1,540       431         1,540       409         1,540       376         1,440       434         1,360       411         1,350       367         1,390       409         1,410       395         1,320       381         1,380       424         1,630       322         1,490       295         1,467       328         1,474       330         1,480       331         1,480       331         1,480       331         1,480       331         1,492       333         1,493       344         1,503       335         1,509       336         1,513       337         1,518       338         1,526       339         1,530       340         1,533       340         1,536       341         1,537       341         1,541       341         1,545       342         1,545       342         1,548       342         1,549       342         1,548 <td>1,540       431       27.95%         1,540       376       24.38%         1,440       434       30.11%         1,360       411       30.23%         1,350       367       27.15%         1,390       409       29.41%         1,410       395       28.04%         1,320       381       28.87%         1,380       424       30.70%         1,630       322       19.76%         1,490       295       19.82%         1,460       327       22.40%         1,461       330       22.37%         1,480       331       22.35%         1,480       331       22.35%         1,480       331       22.35%         1,486       332       22.34%         1,492       333       22.32%         1,498       334       22.31%         1,503       335       22.28%         1,513       337       22.26%         1,518       338       22.28%         1,513       337       22.26%         1,526       339       22.21%         1,530       340       22.19%</td> <td>1,540       431       27.95%       234         1,540       409       26.57%       205         1,540       376       24.38%       171         1,440       434       30.11%       228         1,360       411       30.23%       171         1,350       367       27.15%       138         1,390       409       29.41%       186         1,410       395       28.04%       166         1,320       381       28.87%       150         1,380       424       30.70%       189         1,630       322       19.76%       155         1,490       295       19.82%       127         1,460       327       22.40%       150         1,467       328       22.37%       151         1,480       331       22.37%       151         1,480       332       22.37%       151         1,480       331       22.35%       151         1,480       332       22.37%       151         1,480       332       22.37%       151         1,480       332       22.37%       151         1,481</td> <td>1,54043127.95%23454.28%1,54037624.38%17145.61%1,54037624.38%17145.61%1,44043430.11%22852.47%1,36041130.23%17141.63%1,35036727.15%13837.64%1,39040929.41%18645.48%1,41039528.04%16641.93%1,32038128.87%15039.32%1,38042430.70%18944.61%1,63032219.76%15548.01%1,49029519.82%12743.00%1,46032722.40%15045.77%1,46732822.38%15045.77%1,47433022.37%15145.67%1,48633222.34%15145.57%1,48633222.34%15145.77%1,50333522.29%15145.77%1,50933622.28%15145.77%1,50333522.29%15145.77%1,51333722.26%15244.87%1,52633922.29%15144.67%1,53634122.18%15144.67%1,53634122.18%15144.67%1,53634122.18%15144.77%1,53634122.18%15144.77%1,5453422</td> <td>1,540       431       27.95%       234       54.28%       280         1,540       409       26.57%       205       50.13%       280         1,540       376       24.38%       171       45.61%       280         1,440       434       30.11%       228       52.47%       262         1,360       411       30.23%       171       41.63%       248         1,350       367       27.15%       138       37.64%       246         1,390       409       29.41%       186       45.48%       253         1,410       395       28.04%       166       41.93%       257         1,320       381       28.87%       150       39.32%       240         1,630       322       19.76%       155       48.01%       297         1,490       295       19.82%       127       43.00%       271         1,460       327       22.40%       150       45.87%       266         1,474       330       22.37%       151       45.67%       271         1,486       332       22.34%       151       45.47%       271         1,486       332       2</td> <td>1,540       431       27.95%       234       54.28%       280       53         1,540       409       26.57%       205       50.13%       280       55         1,540       376       24.38%       171       45.61%       280       55         1,360       411       30.23%       171       41.63%       248       64         1,350       367       27.15%       138       37.64%       246       61         1,390       409       29.41%       186       45.48%       253       60         1,410       395       28.04%       166       41.93%       257       62         1,320       381       28.87%       150       39.32%       240       62         1,330       424       30.70%       189       44.61%       251       63         1,630       322       19.76%       155       48.01%       271       45         1,460       327       22.38%       150       45.77%       266       47         1,467       328       22.38%       151       45.67%       268       48         1,480       331       22.37%       151       45.77%       270&lt;</td>	1,540       431       27.95%         1,540       376       24.38%         1,440       434       30.11%         1,360       411       30.23%         1,350       367       27.15%         1,390       409       29.41%         1,410       395       28.04%         1,320       381       28.87%         1,380       424       30.70%         1,630       322       19.76%         1,490       295       19.82%         1,460       327       22.40%         1,461       330       22.37%         1,480       331       22.35%         1,480       331       22.35%         1,480       331       22.35%         1,486       332       22.34%         1,492       333       22.32%         1,498       334       22.31%         1,503       335       22.28%         1,513       337       22.26%         1,518       338       22.28%         1,513       337       22.26%         1,526       339       22.21%         1,530       340       22.19%	1,540       431       27.95%       234         1,540       409       26.57%       205         1,540       376       24.38%       171         1,440       434       30.11%       228         1,360       411       30.23%       171         1,350       367       27.15%       138         1,390       409       29.41%       186         1,410       395       28.04%       166         1,320       381       28.87%       150         1,380       424       30.70%       189         1,630       322       19.76%       155         1,490       295       19.82%       127         1,460       327       22.40%       150         1,467       328       22.37%       151         1,480       331       22.37%       151         1,480       332       22.37%       151         1,480       331       22.35%       151         1,480       332       22.37%       151         1,480       332       22.37%       151         1,480       332       22.37%       151         1,481	1,54043127.95%23454.28%1,54037624.38%17145.61%1,54037624.38%17145.61%1,44043430.11%22852.47%1,36041130.23%17141.63%1,35036727.15%13837.64%1,39040929.41%18645.48%1,41039528.04%16641.93%1,32038128.87%15039.32%1,38042430.70%18944.61%1,63032219.76%15548.01%1,49029519.82%12743.00%1,46032722.40%15045.77%1,46732822.38%15045.77%1,47433022.37%15145.67%1,48633222.34%15145.57%1,48633222.34%15145.77%1,50333522.29%15145.77%1,50933622.28%15145.77%1,50333522.29%15145.77%1,51333722.26%15244.87%1,52633922.29%15144.67%1,53634122.18%15144.67%1,53634122.18%15144.67%1,53634122.18%15144.77%1,53634122.18%15144.77%1,5453422	1,540       431       27.95%       234       54.28%       280         1,540       409       26.57%       205       50.13%       280         1,540       376       24.38%       171       45.61%       280         1,440       434       30.11%       228       52.47%       262         1,360       411       30.23%       171       41.63%       248         1,350       367       27.15%       138       37.64%       246         1,390       409       29.41%       186       45.48%       253         1,410       395       28.04%       166       41.93%       257         1,320       381       28.87%       150       39.32%       240         1,630       322       19.76%       155       48.01%       297         1,490       295       19.82%       127       43.00%       271         1,460       327       22.40%       150       45.87%       266         1,474       330       22.37%       151       45.67%       271         1,486       332       22.34%       151       45.47%       271         1,486       332       2	1,540       431       27.95%       234       54.28%       280       53         1,540       409       26.57%       205       50.13%       280       55         1,540       376       24.38%       171       45.61%       280       55         1,360       411       30.23%       171       41.63%       248       64         1,350       367       27.15%       138       37.64%       246       61         1,390       409       29.41%       186       45.48%       253       60         1,410       395       28.04%       166       41.93%       257       62         1,320       381       28.87%       150       39.32%       240       62         1,330       424       30.70%       189       44.61%       251       63         1,630       322       19.76%       155       48.01%       271       45         1,460       327       22.38%       150       45.77%       266       47         1,467       328       22.38%       151       45.67%       268       48         1,480       331       22.37%       151       45.77%       270<

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

Esmera	lda Cou	inty W <mark>ខ</mark>	ater Wit	hdrawa	l Foreca	sts		Page 2 of 2
		Land Put			omestic Wa	ter Use (A	cre-Feet)	
ears: Actuals 1980-1997; Forecasts 1998-2018	Forecasted Population on Public Water Systems [1]	Forecasted Public Supplied Domestic Water Use [1]	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water		Supplied Domestic		Industrial (M&I) Water
1980	540	101	40				'	
1981	827	155	61		`			
1982 ·	918	172	68	`	'		· ·	
1983	1,029	193	. 76	<del>-</del>				
1984	1,168	219	87		'			
1985	1,070				:			
1986	1,070		79				:	
1987	1,070	201	79			±+	:	
1988	1,001	188	74					-
1989	945		· 70		<b></b> :			-
1990	938	176	- 70					-
1 <b>99</b> 1	966							-
1992	980	184	73					-
1993	918				<del>_</del> !			-
1994	959							-
1995	1,133	1 C	í		69.51%	213		30
1996	1,036	195				195		
1997	1,015			1,015	69.54%	191	75	27
1998	1,020			1,020	69.56%	192		27
1999	1,024					193		27
2000	1,029					194		27
2001	1,033			,	69.61%	194		
2002	1,037					195		
2003	1,041			· · · · ·	69.65%	196	1	
2004	1,045							27
2005	1,049	•	1	•	69.68%	197		21
2006	1,052							2
2007	1,055					199		2
2008	1,058			1,062		199	i i	
2009	1,061			· · ·	69.75%	200		
2010	1,063			1,067		200		2
2011	1,066					201		2
2012	1,068			· · · · · · · · · · · · · · · · · · ·				2
2013	1,070					202		1
2014	1,071					202		
2015	1,073			-		203		
2016	1,074					203	•	
2017	1,075					203		
2018	1.076					203		
2019	1,077			•		203		
2020	1,077	202	2 80			204	1 79	2
ssumption			<u> </u>		Domestic only			
&I / Domestic Use/Person (Public Supplied) Public Supplied Water Water Use Coefficients]					-	person per day		
· · · · · · · · · · · · · · · · · · ·				0.2669			r person per yea	<u> </u>
	-		plied Water		Gallons per p			
Self-Suppli	ed Water Use (	Coefficient]		0.1690	Acre-feet per	person per ye	ar	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

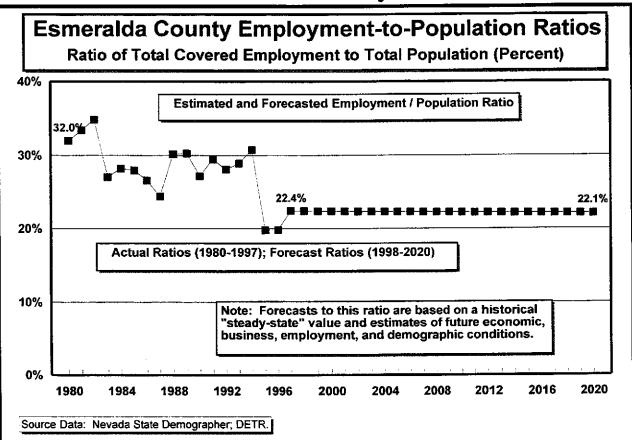
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

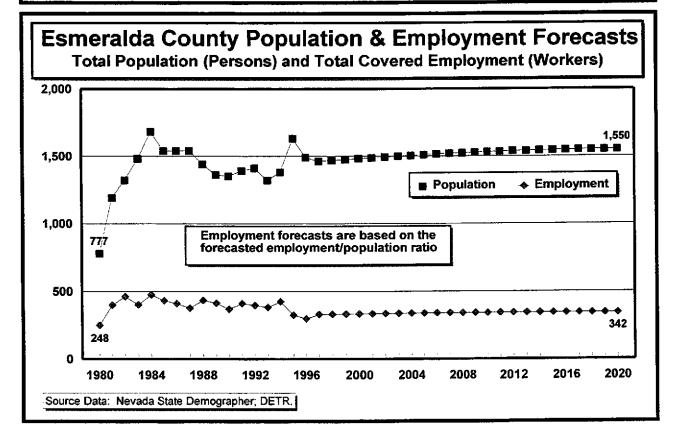
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

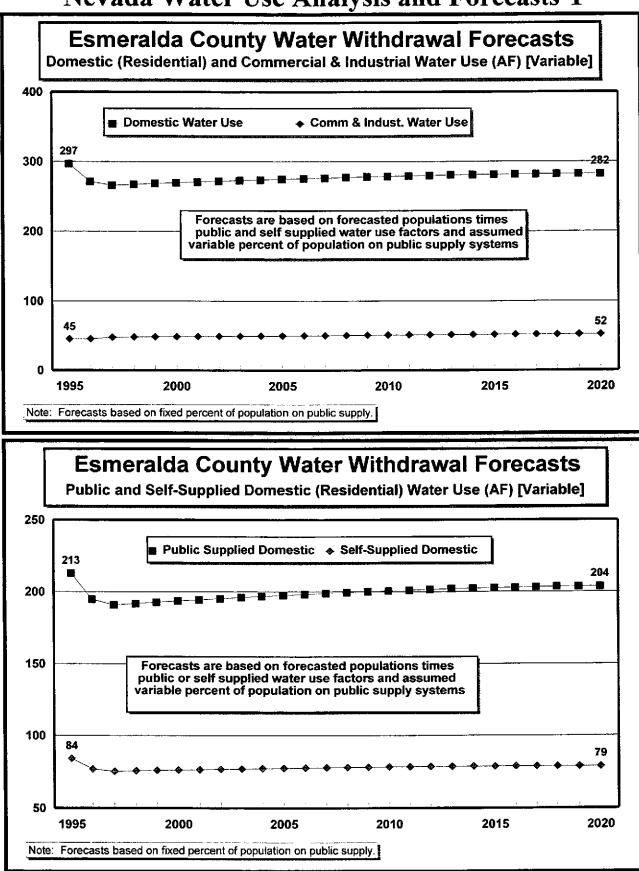
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

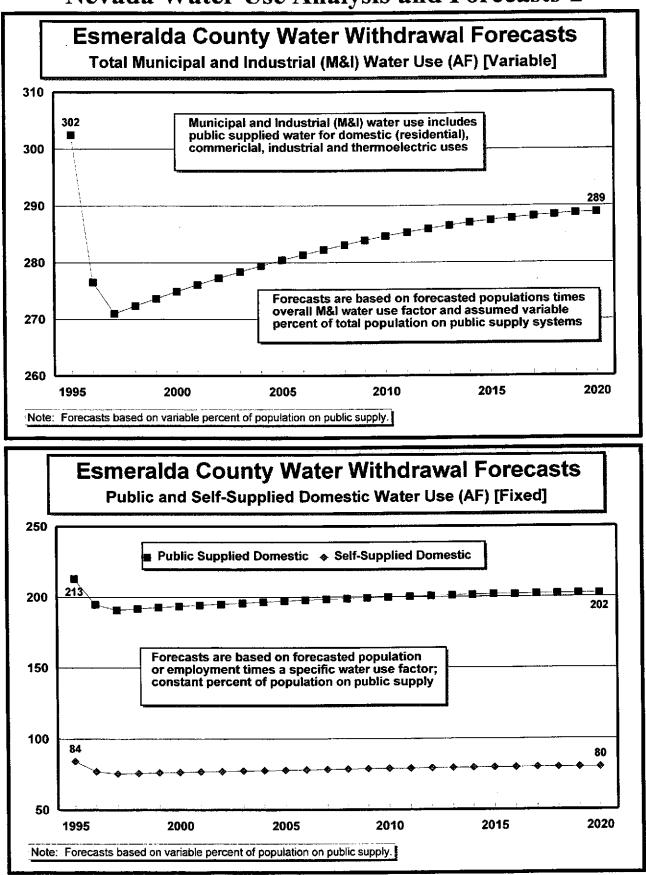
Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Nevada Socioeconomic Analysis and Forecasts









Nevada Division of Water Planning/Socioeconomic Analysis and Forecasts

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#### **Eureka County Water Withdrawal Forecasts** Page 1 of 2 Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet) Forecasted Forecasted Forecasted Total Municipal & : Years: Actuals Estimated and Estimated and Estimated and Share of Total Total Domestic Commercial 1980-1997; Employment/ Industrial Forecasted Forecasted . Forecasted (Residential) and Industrial (M&I) Water Total Covered Forecasts Resident Population Mining Covered 1998-2018 Population Employment Employment Water Use[1] Water Use[2] Use [1] [3] Ratio Employment 1980 1,198 619 51.66% 351 56.67% 322 29 323 329 1,220 62.82% 328 25 1981 618 50.68% 388 329 328 23 1982 1,220 556 45.55% 344 61.83% 26 331 1983 1,230 45.60% 319 56.91% 331 561 : 339 24 339 1984 1,260 702 55.73% 475 67.62% 40 350 1985 $1,300^{\circ}$ 1,010 77.71% 636 62.94% 350 358 33 358 1986 1,330 1,086 81.69% 782 71.99% 35 401 401 1987 1,490 1,456 97.73% 1,129 77.55% 407 406 98 1988 1.510 3.181 210.63% 2,262 71.12% 411 81 412 1989 1,530 252.52% 3,109 80.46% 3,864 46 418 1990 1,550 4,026 259.76% 3,599 89.38% 417 420 1991 1,560 4,106 263.18% 3,510 85.49% 419 64 74 426 1,580 84.08% 425 1992 4,326 273.81% 3,637 65 445 444 1993 1,650 4,518 273.83% 3,912 86.58% 125 418 417 1994 1,550 4,948 319.25% 3,780 76.38% 425 67 426 86.23% 1995 1,580 4,554 288.21% 3,927 74 445 444 1996 1,650 4,867 294.95% 4,178 85.84% 447 87.97% 446 63 1997 1,660 4,854 292.41% 4,270 77 458 85.47% 457 1998 1,700 292.26% 4,968 4,246 93 468 468 1999 1,739 5,080 292.12% 4,215 82.97% 479 109 478 2000 1.777 5,189 291.97% 4,175 80.47% 125 489 I 488 2001 1,815 5,295 291.83% 4,129 77.97% 142 499 498 2002 1,851 5,398 291.68% 4,074 75.47% 159 508 2003 1,886 5,498 291.53% 4,012 72.97% 507 517 2004 1,920 5,594 291.39% 3,942 70.47% 516 177 186 2005 1,953 5,687 291.24% 3,950 69.47% 525 526 195 534 2006 1,984 5,775 291.10% 3,954 68.47% 533 204 i 542 2007 2,014 5,858 290.95% 3,953 67.47% 541 550 66.47% 549 213 2008 2,042 5,937 290.81% 3,947 65.47% 556 223 557 2009 2,068 6,012 290.66% 3,936 64.47% 563 232 564 2010 2,093 6,081 290.51% 3,920 569 241 570 2011 2.116 6,145 290.37% 3.900 | 63.47% 250 576 <sup>|</sup> 575 2012 2.137 6,203 290.22% 3.875 62.47% 61.47% 580 258 581 g 2013 2,157 6,256 290.08% 3,845

2018	2,222	6,429	289.35%	3,631	56.47%	597	300	599
2019	2,229	6,446	289.21%	3,575	55.47%	599	308	600
2020	2,233	6,455	289.07%	3,516	54.47%	600	315	602
Actual Period	Average (1980-	1997)	179.72%	106.90%	Standard Deviat	ion (1980-199	97)	•
Forecast Perio	d Average (1998	3-2020)	290.66%	298.71%	Latest/Most Stal	ble Period (19	<u>94-1997)</u>	
Assumptions:				M&I Factor I	Domestic only			
M&I / Total Do	omestic Water Use	e per Person.	•••••••	322.9	240.0 Ga	llons per perso	n per day	
[M&I/Total D	omestic Water Us	e Coefficien	ts]	0.3616	0.2689 Ac	re-feet per pers	ion per year	
Commercial &	Industrial Water	Use per Wor	ker	<b>95.7</b>	Gallons per work	er per day (exc	ludes mining)	
[Commercial	& Industrial Wate	r Use Coeffi	cient]	0.1072	Acre-feet per wor	ker per year (e	xcludes mining)	

3,811

3.772

3,729

3,682 (

60.47%

59.47%

58.47%

57.47%

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

6,303

6.343

6,378

6,407

289.93%

289.79%

289.64%

289.50%

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

2,174

2,189

2,202

2,213

2014

2015

2016

2017

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

586

590

593

596

267

276

284

292

585

589

592

595

E <mark>ureka</mark> Part 2-Esti	-		vv itnar blic & Self-S			ter Use (A	cre-Feet)	Page 2 of 1
ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Forecasted Public Supplied Domestic Water Use [1]	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Variable Percent of Population on Public Supply	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Wate Use [2] [3]
	892	· · · · · · · · · · · · · · · · · · ·	76					-
1981	909	251	77					-
1982	909	251	. 77		'		·	-
1983	916	253		`				
1984	939	259						
1985	968	267						
1986	991	273						
1987	1,110	306					·	
1988	1,125	310						
1989	1,140							
1990	1,155	319		·				
1991	1,162		99					
1992	1,177	325						
1993	1,229	339						
1994	1,155							
1995	1,133			1,177	74.49%	325	100	43
1995	1,229			1,229	74.51%			4
1990	1,227			1,237	74.53%	341		
1997	1,257			1,257		· · · · · · · · · · · · · · · · · · ·		
1998	I,200			,	74.57%			
2000	1,324			1,326		366		
2000	1,324			1,354		374	1	
2001	1,332							
2002	1,379			1,301		389		5
2003	1,405			1,403				
2004	1,455		1			402		
2005	1,433			1,438	1			
2003	1,478			1,482	74.72%	ſ	•	1
2007	1,500				74.72%	421		
2008	1,521			1,520				
2009	1,541			1,565	74.77%	432		5
	1,559							
2011 2012	1,570							
2012	1,392							
2013	1,600				1 C C C C C C C C C C C C C C C C C C C	+		
2014	1,619							
2015	1,640							
	1,640							
2017								
2018	1,655					i		
2019	1,660			•	•			•
2020 Assumption		459	) 141		Domestic only		1.17	

Assumptions:	M&I Factor	Domestic only,		
M&I / Domestic Use/Person (Public Supplied)	322.9	246.4	Gallons per person per daypublic supply	
[Public Supplied Water Water Use Coefficients]	0.3616	0.2760	Acre-feet per person per year	_
Domestic Water Use per Person - Self-Supplied Water	221.5	Gallons per pe	rson per dayself supply	1
[Self-Supplied Water Use Coefficient]	0.2481	Acre-feet per p	berson per year	_
1995 Estimated Resident Population on Public Supply	74.49%	Percent of tota	l resident population	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

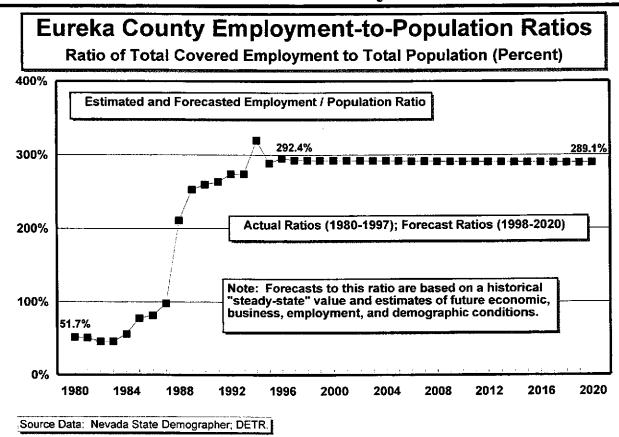
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

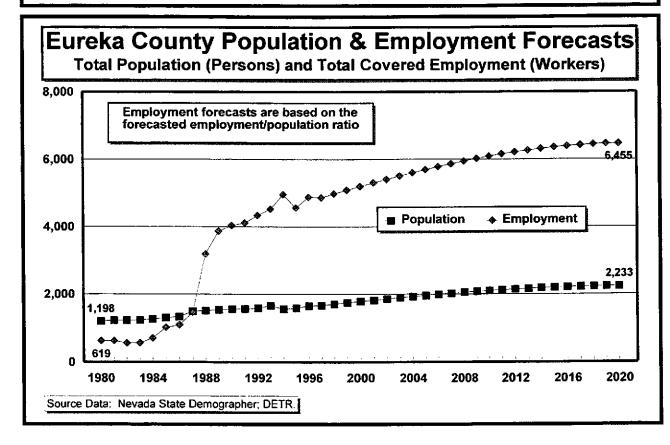
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

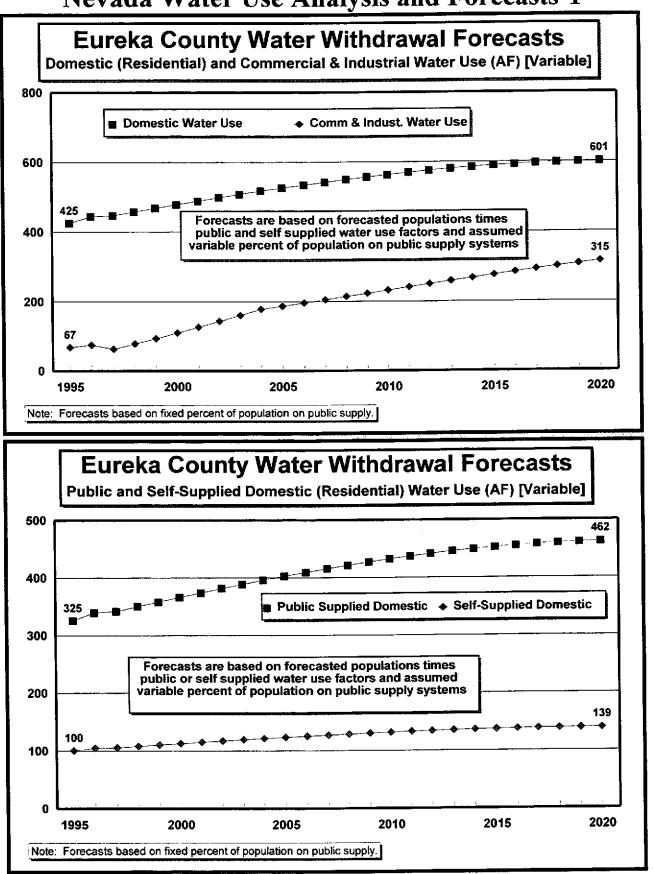
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

# Nevada Socioeconomic Analysis and Forecasts

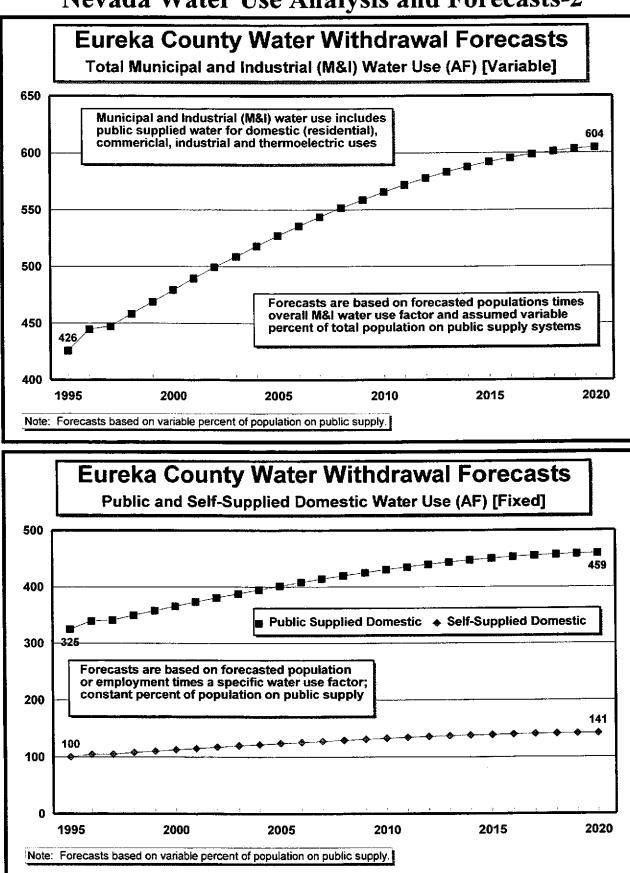






Nevada Division of Water Planning/Socioeconomic Analysis and Forecasts

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### Humboldt County Water Withdrawal Forecasts

### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

ears: Actuals 1980-1997; Forecasts	Forecasted	Estimated and Forecasted Total Covered	Employment/	Mining	Share of Total Covered	(Residential)	and Industrial	Municipal & Industrial (M&I) Wate
1998-2018		Employment		Employment	Employment			
1980	9,449	4,196		165		2,587	1,041	
1 <b>981</b>	10,380							•
1982	10,920	3,991	36.55%	261				
1983	10,960	3,935	35.91%	281				2,830
1984	11,190	4,157	37.15%		7.40%	3,063	994	•
1 <b>98</b> 5 '	11,260	4,046	35.93%	393	9.71%			2,90
1986	11,220			459	11.33%	3,071	928	
1987	11,490	4,615	40.16%	728	15.77%		1,004	2,96
1988	12,050	5,599	46.47%	1,167	20.85%	3,299	1,145	
1989	12,580	6,283	49.94%	1,296	20.62%	3,444		
1990	13,020	6,123	47.03%	1,527	24.94%	3,564	1,187	
1991	13,500		49.41%	1,761	26.40%	3,696	1,268	3,48
1992	14,000			· · · · · · · · · · · · · · · · · · ·	29.75%	3,832	1,219	3,61
1993	14,510			,		3,972	1,283	
1994	15,670						1,337	4,04
1995	16,270				29.67%	-		4,20
1996	16,460					4,506		
1997	17,520				28.65%	4,796		
1998	17,985				27.90%			
1999	18,444							
2000	18,897			1		-	•	
2000	19,343							
2001	19,781			1	•	5,415		1 *
2002	20,209	,				5,532	•	
2003	20,627					5,647		
2004	21,034			-		-	,	
2005	21,034							
2003	21,427							
2007	21,808							
2008	22,174							
	22,324					6,257		
2010		- i						
2011	23,174							
2012	23,473						,	
2013	23,752			1 .				
2014	24,012							
2015	24,251							
2016	24,468					1		
2017	24,664		1					
2018	24,837							
2019	24,987					1	1 C C C C C C C C C C C C C C C C C C C	
2020	25,114							6,4
		980-1997)			Standard De			
		(1998-2020)			Latest/Most	,	1 (1994-1997)	)
Assumption:					Domestic only			
		er Use per Pers				Gallons per p		
[M&I/Total	Domestic Wat	ter Use Coeffic	ients]	0.3907		Acre-feet per		
~ • • •	0 x x 1.1 XX	ater Use per W	7. <b>7</b>	330 /	C-11	ua-kan nan dau	(excludes min	ina)

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Humboldt County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

Years: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on	Population on	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&1) Water
1980	6,244	1,769						
1981	6,860						i:	
1982	7,216	2,045	944					·
1983	7,243		948					
1984	7,395	2,092						
1985	7,441	2,000	974					
1986	7,415				;			
1987	7,593		970 994					
1988	7,963							
1989	8,313							
1989	8,604							
1990	8,004				. <del></del> i			
1991 1992			1,167				1	
	9,252	2,622						
1993	9,589	2,717	,				· ••	
1994	10,355	2,934	1,355					
1995	10,752	3,047	1,407		66.08%	3,047		,
1996	10,878		1,423	10,880		3,083		4,250
1997	11,578	3,281	1,515		66.12%	3,283		4,525
1998	11,885		1,555	11,894		3,370		
1999	12,189							4,765
2000	12,488	3,539	1,634					
2001	12,783		1,673	12,802		3,628		5,000
2002	13,072	3,704	1,711	•	66.20%			5,114
2003	13,355			13,382				
2004	13,631	3,863	1,784		66.23%			5,334
2005	13,900			•		3,949		
2006	14,160	4,013	1,853			4,024		5,543
2007	14,412	,	1,886	14,455	66.28%	4,096		5,643
2008	14,653	4,152	1,918	14,701	66.30%			5,738
2009	14,885	· · ·	1,948	14,937	66.32%	. 4,233		5,830
2010	15,106			15,162	. 66.33%			5,917
2011	15,315	4,340		15,376	66.35%	4,357	1.988	6,001
2012	15,512	· · · · · · · · · · · · · · · · · · ·		15,578	66.37%	4,414		6,079
2013	15,697	4,448	2,054	15,767	i 66.38%	4,468	2.036	6,152
2014	15,868	4,497	2,076	15,944	66.40%	4,518		6,221
2015	16,026	4,541	2,097	16,106	66.42%	4,564	2,077	6,284
2016	16,170	4,582	2,116	16,255	66.43%	4,606	2,094	6,341
2017	16,299	4,619	2,133	16,389	66.45%	4,644	2,110	6,393
2018	16,414	4,651	2,148	16,508		4,678	2,124	6,439
2019	16,513				66.48%			
2020	16,597							6,513
Assumption.		· · · · · · · · · · · · · · · · · · ·	,	+ <u>(</u>	Domestic only	ii		
		(Public Suppli	:d)				erson per day	public supply
	olied Water Wa			0.3907		-	r person per yea	
			lied Water		Gallons per p	·		
	ed Water Use C				Acre-feet per			
			lic Supply		Percent of tot	· · · · · · · · · · · · · · · · · · ·		

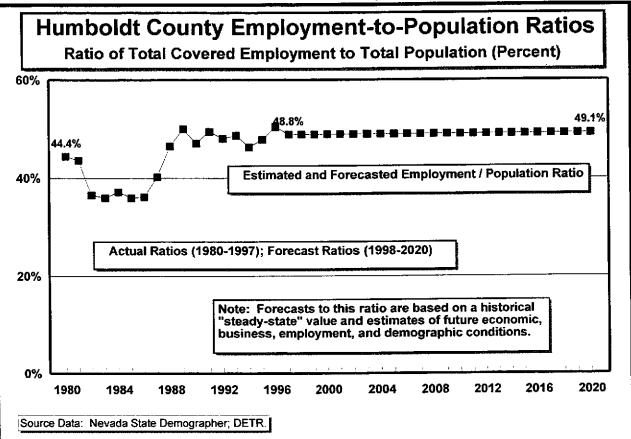
Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

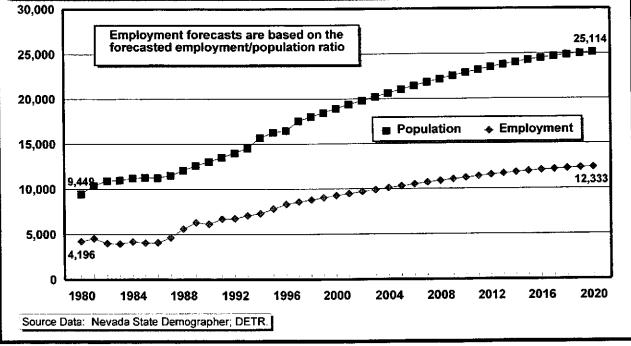
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2
 [3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

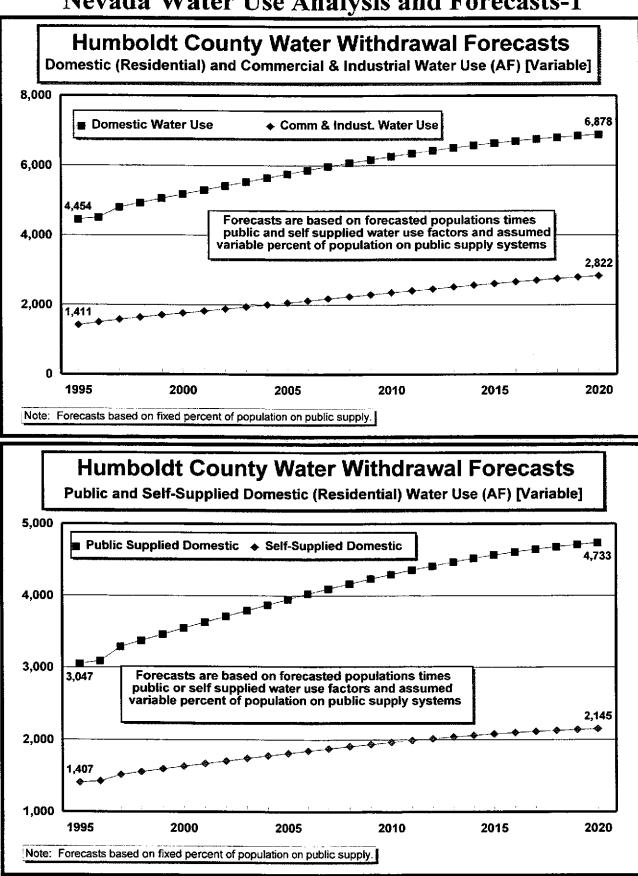
Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

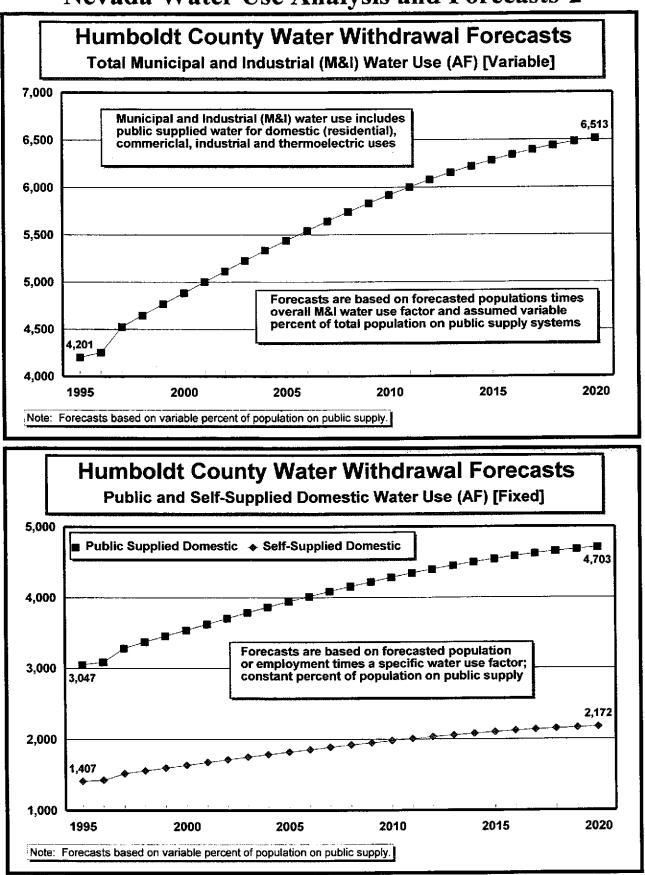
### Nevada Socioeconomic Analysis and Forecasts



Humboldt County Population & Employment Forecasts Total Population (Persons) and Total Covered Employment (Workers)







+							Page 1 of
estic, Con	nmercial &	Industria	l, M&I Wa	ter Use Esti	mates/For	ecasts (Acr	
Forecasted Resident	Forecasted Total Covered	Employment/ Population	Forecasted Minipg	Share of Total Covered	(Residential)	Total Commercial and Industrial	(M&I) Wat
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-			,	;			1,4
•							1,4
						•	
			· ·				1,4
		40.19%	· · ·				
	2,708	38.52%	1,290				1,5
7,097	2,733	38.51%		47.36%			
7,163	2,757	38.49%	1,298	47.08%			
7,226	2,780	38.47%	1,301	46.80%	1,518	156	
7,287	2,802	38.46%	1,304	46.52%	1,5 <b>31</b>	158	
7,345	2,824	38.44%	1,306	46.24%	1,543	160	
7,401	2,844	38.43%	1,307	45.96%	1,555	162	1,6
7,454	2,863	38.41%	1,308	45.68%	1,566	164	1,6
7,505	2,882	38.40%			1,577	166	1,6
		1		45.12%	1,587	168	1,6
					1,596	. 169	1,0
					1,605	171	1,6
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	r Lice nor Dora				· · · · · · · · · · · · · · ·	erson per dav	
	~		1				ar
Joinestic wat	ci Use Coemici	entsj	0.2748	0.2101	Acre-leet per	person per ye	ing)
	Estimated and Forecasted Resident Population 5,010 5,010 5,000 4,720 4,590 4,520 4,510 4,520 4,510 4,600 5,480 6,270 6,340 6,370 6,380 6,430 6,410 6,410 6,410 6,410 6,410 6,410 6,410 7,030 7,097 7,163 7,226 7,287 7,345 7,287 7,345 7,505 7,553 7,558 7,553 7,598 7,640 7,717 7,751 7,782 7,810 7,835 7,876 7,872 7,876 7,892 7,904 7,914 7,920 I Average (15 od Average (15) 50	Estimated and Forecasted Resident         Forecasted Forecasted Employment           4,076         2,048           5,010         2,195           5,000         1,879           4,720         1,621           4,590         1,669           4,510         1,617           4,600         2,099           5,480         2,471           6,270         2,868           6,340         2,626           6,370         2,570           6,380         2,559           6,430         2,465           6,710         2,696           7,030         2,708           7,031         2,757           7,226         2,780           7,345         2,824           7,401         2,844           7,454         2,863           7,553         2,899           7,553         2,899           7,553         2,980           7,640         2,930           7,680         2,944           7,717         2,957           7,680         2,944           7,717         2,957           7,640         2,930           7,857	Estimated and Forecasted Resident Population         Estimated and Forecasted Employment         Employment/ Population           4,076         2,048         50.25%           5,010         2,195         43.80%           5,000         1,879         37.58%           4,720         1,621         34.35%           4,590         1,669         36.37%           4,520         1,691         37.40%           4,510         1,617         35.86%           4,600         2,099         45.63%           5,480         2,471         45.09%           6,370         2,570         40.35%           6,340         2,626         41.42%           6,370         2,570         40.35%           6,410         2,407         37.55%           6,410         2,407         37.55%           6,710         2,696         40.19%           7,030         2,708         38.52%           7,097         2,733         38.51%           7,163         2,757         38.49%           7,265         2,824         38.44%           7,401         2,844         38.43%           7,553         2,899         38.35%	Stimated and Porcasted Population         Forcasted Total Covered Employment         Employment/ Ratio         Estimated and Forcasted Mining Employment           4,076         2,048         50.25%         994           5,010         2,195         43.80%         1,153           5,000         1,879         37.58%         1,015           4,720         1,621         34.35%         802           4,590         1,669         36.37%         818           4,520         1,691         37.40%         845           4,510         1,617         35.86%         731           4,600         2,099         45.63%         1,123           5,480         2,471         45.09%         1,669           6,370         2,570         40.35%         1,284           6,380         2,559         40.12%         1,229           6,430         2,346         36.49%         1,029           6,410         2,407         37.55%         983           6,710         2,696         40.19%         1,213           7,030         2,708         38.51%         1,294           7,163         2,757         38.49%         1,301           7,226         2,78	Stimated and Forecasted Resident Population         Forecasted Forecasted Employment (Raident)         Estimated and Forecasted Mining Population         Share of Total Covered Mining           4,076         2,048         50.25%         994         48.51%           5,010         2,195         43.80%         1,153         52.56%           5,000         1,879         37.58%         1,015         54.02%           4,720         1,621         34.35%         802         49.45%           4,520         1,691         37.40%         845         49.97%           4,510         1,617         35.86%         731         45.19%           6,600         2,699         45.63%         1,123         53.51%           6,340         2,626         41.42%         1,360         51.79%           6,370         2,579         40.12%         1,229         48.02%           6,430         2,346         36.49%         1,029         43.87%           6,410         2,407         37.55%         983         40.82%           6,410         2,696         40.19%         1,213         44.95%           7,030         2,708         38.51%         1,294         47.36%           7,411	Stimated and Forecasted Resident Population         Estimated and Forecasted Population         Estimated and Forecasted Population         Forecasted Population           4,500         2,099         45.63%         1,015         34.02%         1,511         35.1%         9407         44.00%         1,511           6,270         2,868         45.74%         1,379         48.06%         1,317         6,340         2,559         40.12%         1,260         51.79%         1,338           6,340         2,559         40.12%         1,213 <td>Forcessted Pepulation         Forcessted Employment         Employment Resident Population         Forcessted Resident Employment         State of Total Total Total Total Total Total Domestic (Residentia) and Industrial (Residentia) and Industrial (Residentia) (Residentia) and Industrial (Residentia) (Reside</td>	Forcessted Pepulation         Forcessted Employment         Employment Resident Population         Forcessted Resident Employment         State of Total Total Total Total Total Total Domestic (Residentia) and Industrial (Residentia) and Industrial (Residentia) (Residentia) and Industrial (Residentia) (Reside

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Lander County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Population on	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&I) Wate
1980	3,276	702	154					••
1981	4,027				*			
1982	4,019	861	189		<b></b> .			
1983	3,794							
1984	3,689		174		· ,			
1985	3,633	778	171		· !			-
1986	3,625	. 777	171		<b></b> .			-
1987	3,697	1 · · · · · · · · · · · · · · · · · · ·					·	-
1988	4,404	944						-
1989	5,039		238					-
1990	5,096	-			:			-
1991	5,120				;			-
1992	5,128				i 			
1993	5,168	1,107			. <b></b>			-
1994	5,152	-	243				. –	. •
1995	5,176			5,176	80.37%	1,109	244	1,42
1996	5,393							1,48
1997	5,650					1,211		
1998	5,704	1,211		5,709	· · · · · · · · · · · · · · · · · · ·	1,223		1,50
1999	5,757		271	5,763		1,235		
2000	5,808	1,233		5,815		1,246		1,59
2000	5,856					1,257		•
2001	5,903					1,267		,
2002	5,948			5,960				,
2003	5,991				1	1,286	1	1,64
2004	6,032			6,047		1,200		-
2005	6,070			6,087		1,304		
2000	6,107		i	6,125	+			1,68
2007	6,141	· · · · · · · · · · · · · · · · · · ·		6,161	80.63%	1,320		
2008	6,141	•		6,194		1,327		
2009	6,202			6,226		1,334		
2010				6,255		; 1,340		
2011	6,230 6,255					1,346		
2012	6,235			6,305		1,340		
		-						1,7
2014	6,297			6,347				
2015	6,315							
2016	6,330 6,343					1,366		
2017 2018	6,353			· · · · · · · · · · · · · · · · · · ·		1,369		
	6,360	•						
2019						1,372		
2020	6,366	1,364	300					
	sumptions: *1 / Domestic Use/Person (Public Sumplied)				Domestic only	Gallances	narcon nar dar	public curr
	&I / Domestic Use/Person (Public Supplied)						person per day-	
	Public Supplied Water Water Use Coefficients]					······································	r person per yea	<u> </u>
	mestic Water Use per Person - Self-Supplied Water Self-Supplied Water Use Coefficient]				Gallons per p	• •		
ISelf-Supplie	ed Water Use (	oefficient		0.1930	Acre-feet per	person per ye	धा	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

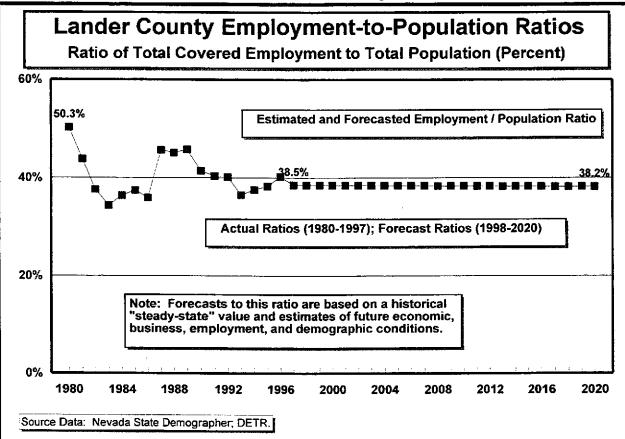
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

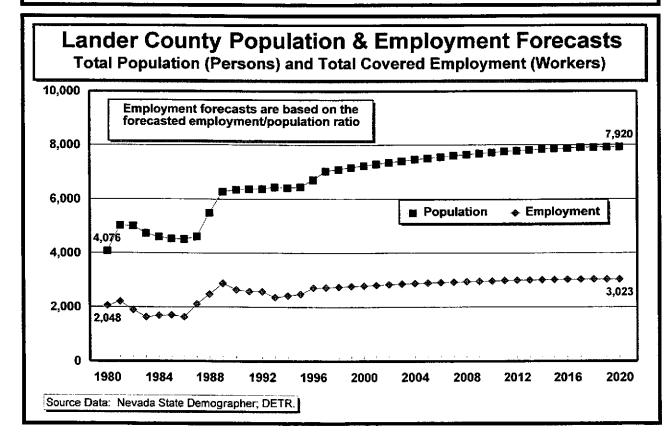
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

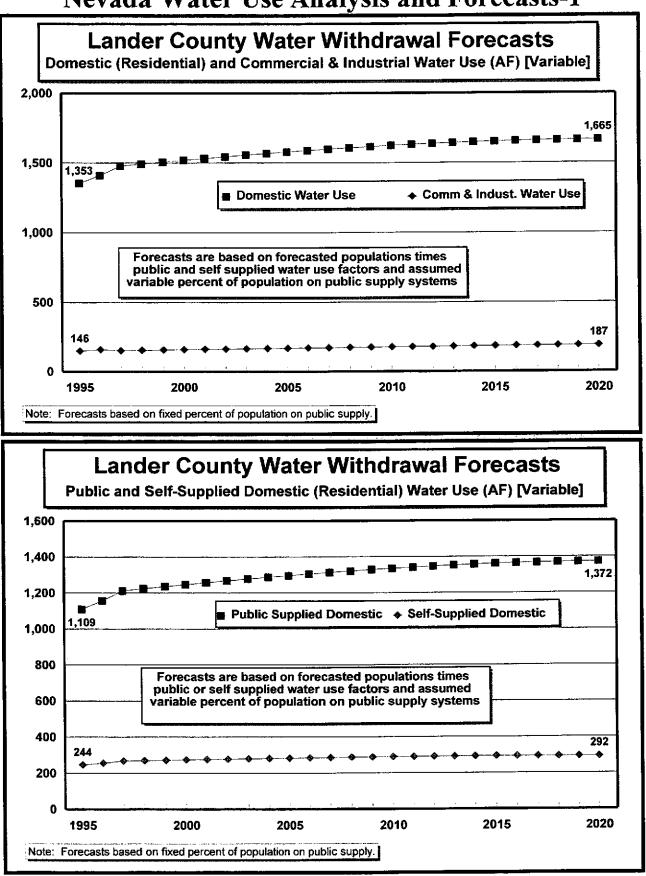
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

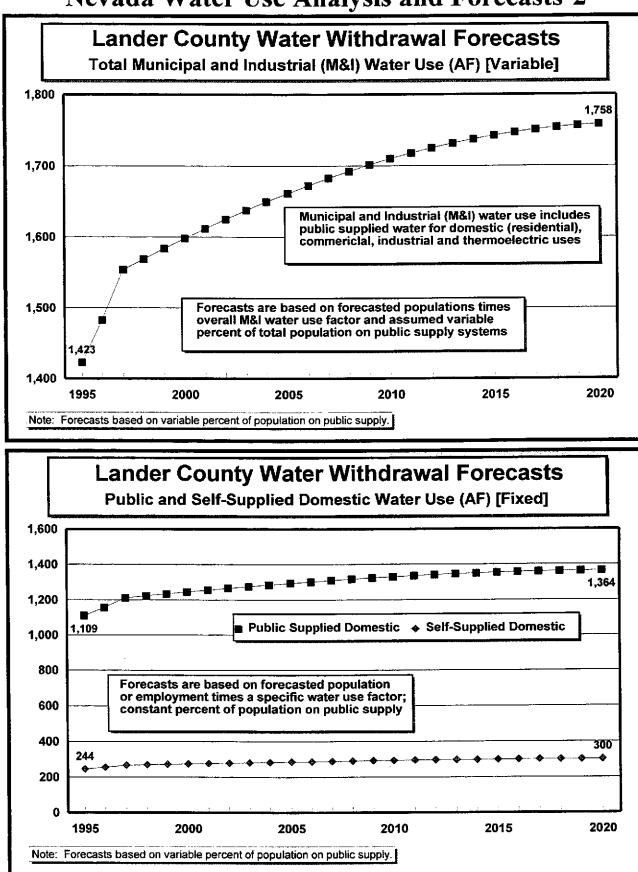
Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

# Nevada Socioeconomic Analysis and Forecasts









#### \_\_\_\_\_ Lincoln County Water Withdrawal Forecasts

#### Part 1-Domestic Commercial & Industrial M&I Water Use Estimates/Forecasts (Acre-Feet)

:	Estimated and Forecasted	Estimated and	Employment/	Estimated and		Forecasted Total Domestic	Forecasted Total	Forecasted Municipal d Industrial
1998-2018	Population	Employment	Ratio	Employment	Employment	Water Use[1]	Water Use[2]	Use [1] [3]
1980	3,732	1,337	35.83%	305	22.80%	1,230	247	1,40
1981	3,760	1,572	41.82%	247	15.68%	1,240	317	1,41
1982	3,770		44.86%	120	7.12%	1,243	376	1,42
1983	3,760			96		1,240	358	1,41
1984	3,770		46.37%	67	3.82%	1,243	402	1,42
1985	3,780		44.80%		2.75%	1,246	394	1,42
1986	3,780		44.27%	22	1.29%	1,246	395	1,42
1987	3,790	,		20	1.18%	1,250	397	<sup>:</sup> 1,42
1988	3,800			24		,	427	
1989	3,800		47.83%	27				
1990	3,810		47.95%	27		1,256		1,4
1991	3,870			19	1.12%	1,276	411	1,4
1992	4,080					1,345	377	
1993	4,130				•	1,362	387	
1994	4,130		38.54%	13	0.80%	1,302		1,6
1995	4,110			15	0.97%		364	,
1995	4,020	,					334	1
1990	4,020	-	1	1	0.89%			
1998	4,110			13	0.88%	1,353	348	
1999	4,130			13	0.86%		348	
2000	4,149	•	•	13		1,374		•
2000	4,187			13	i	1,374		
			1				350	
2002	4,201	,	35.15%	12				1,5
2003	4,217		35.07%				351	1,5
2004	4,232					-		-
2005	4,247						352	
2006	4,260							
2007	4,273						352	
2008	4,285							
2009	4,296		1		0.74%			
2010	4,307				0.73%			
2011	4,316				0.72%		352	
2012	4,325			11				
2013	4,332							-
2014	4,339			10				
2015	4,345	-						
2016	4,351	•		1				
2017	4,355							
2018	4,358					,		
2019	4,361							
2020	4,363		+				and the second	1,6
		980-1997)	1			eviation (1980		
		(1998-2020)	. 34.55%			Stable Period	1 (1994-1997)	<u> </u>
ssumption				· · · · · · · · · · · · · · · · · · ·	Domestic only			
		-	on			Gallons per p	-	
M&I/Total Domestic Water Use Coefficients]				0.4827				
Commercial &	& Industrial W	/ater Use per W	orker			worker per day		
		Water Use Coc quivalent to app	fficient] roximately 325,		Acre-feet per	r worker per ye	ar (excludes m	nining)

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

### Lincoln County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

(ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Variable Percent of Population on Public Supply	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Water Use [2] [3]	
1980	2,916	982	248				••••		
1981	2,938	990	250		: <b></b>				
1982	2,945	992	250						
1983	2,938	990	250		••				
1984	2,945	992	250						
1985	2,953	995	251						
1986	2,953	995	251		**			·	
1987	2,961	998	252				. <b></b>		
1988	2,969	1,000	252				:		
1989	2,969	1,000	252						
1990	2,977	1,003	253				: 		
1991	3,023	1,019							
1992	3,188	1,074	271		· <b></b>				
1993	3,227	1,087							
1994	3,375	1,137	287						
1995	3,211	1,082	273	3,211	78.13%	1,082	273	1,550	
1996	3,141	1,058	267	3,141	78.15%	1,059		1,510	
1997	3,211	1,082	273	3,213	78.17%	1,083	273	1,55	
1998	3,226	1,087		3,229		1,088	273	1,55	
1999	3,241	1,092	274	3,244		1,088		1,56	
2000	3,256	1,092	270			1,095	276	1,57	
2001	3,269	1,102				1,103	276	1,58	
2002	3,282	1,102	278			1,103	270	1,58	
2003	3,295	1,110	279			1,112		1,59	
2004	3,307	1,114			78.30%	1,112	· · · · · · · · · · · · · · · · · · ·	1,59	
2005	3,318	1,114		3,326		1,121	280	1,59	
2005	3,328	1,113	282		78.32%	1,121	280	1,61	
2000	3,338	1,122	283	,	78.36%	1,123	1	1,61	
2008	3,348	1,123		· · ·	78.38%	1,128		1,62	
2009	3,356	1,128		· ·	78.40%	1,132		1,62	
2010	3,365	1,134						1,62	
2010	3,303					1,138 1,141			
2012	3,372	1,136	287 287		78.44%	· · ·	283		
2012	3,385	1,139	. 287				283	1,63	
2013		1,141		· · ·			. 1	1,63	
2014	3,390	1,142	288	3,406				1,64	
	3,395	1,144					283	1,64:	
2016	3,399	1,145	289			•	284	1,64	
2017	3,402	1,147	289	3,421				,	
2018	3,405	1,147	290	3,425		•		1,650	
2019	3,407	1,148		3,428				1,652	
2020	3,409	I,149	290	3,430	78.62%	1,156	283	1,65	
<b>Issumptions</b>					Domestic only				
A&I / Domestic Use/Person (Public Supplied)					300.8 Gallons per person per daypublic suppl				
[Public Supplied Water Water Use Coefficients]				0.4827		0.3370 Acre-feet per person per year			
Domestic Water Use per Person - Self-Supplied Water				2 <u>7</u> 1.1		erson per day			
[Self-Supplied Water Use Coefficient]				0.3037		person per yea			

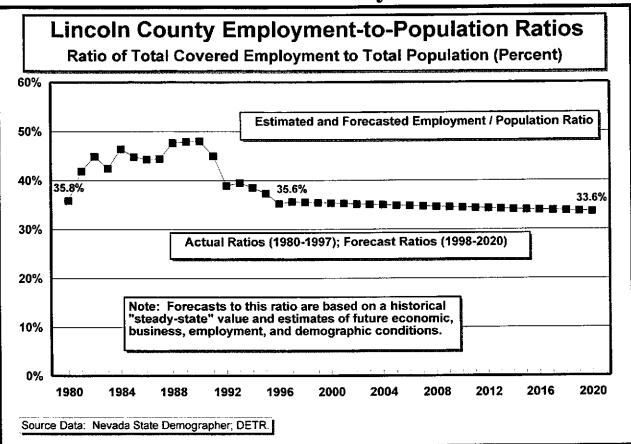
Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

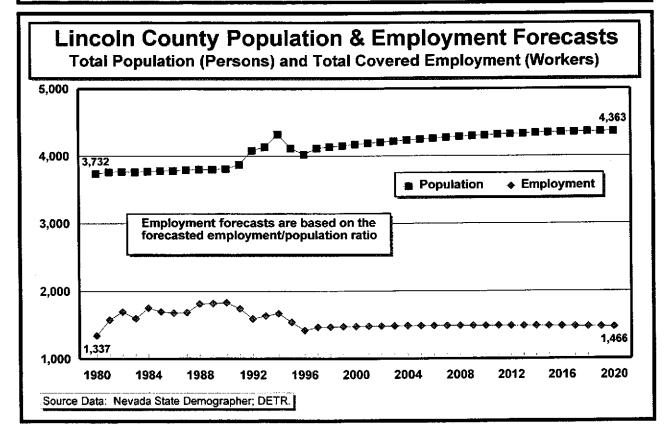
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

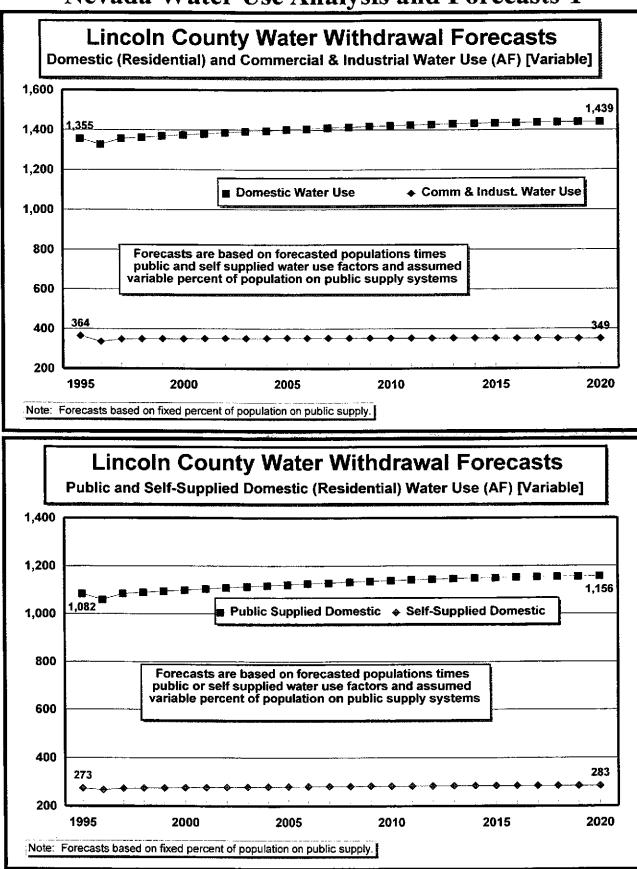
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2
 [3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

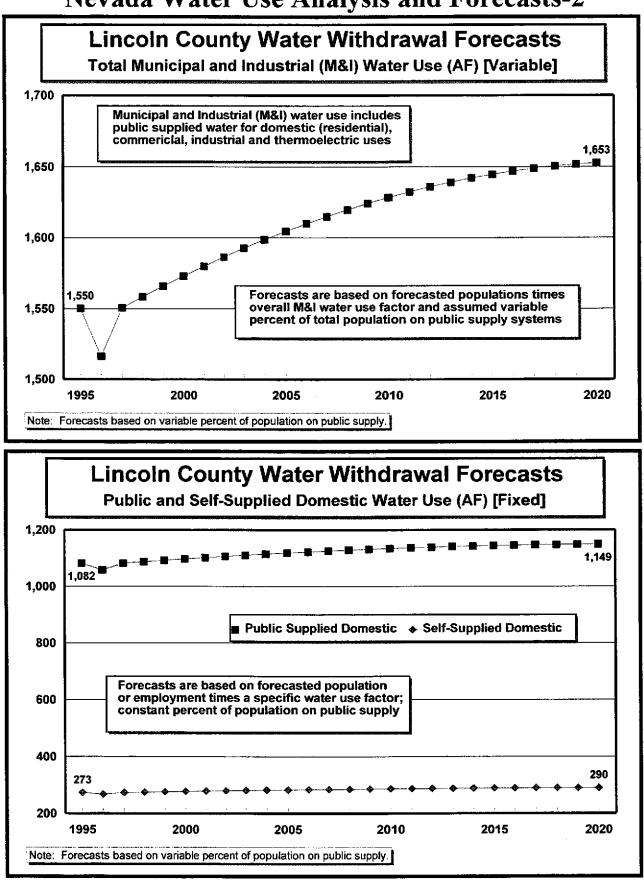
Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

### Nevada Socioeconomic Analysis and Forecasts









### Lyon County Water Withdrawal Forecasts

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

		Estimated and	Estimated and			Forecasted	Forecasted Municipal &	
1980-1997;		Forecasted	Employment/		Share of Total	Total Domestic	Commercial	Industrial
Forecasts 1998-2018	Resident Population	Total Covered Employment	Population Ratio	Mining Employment	Covered Employment	(Residential) Water lise[1]	and Industrial Water Use[2]	(M&I) Water Use [1] [3]
1980	13,594		18.50%	153		2,133	3,059	2,939
1981	14,160		20.89%			2,222	3,350	
1982	14,600	2,904	19.89%		6.09%		3,531	3,156
1983	15,080	2,958	19.62%		6.41%	2,367	3,585	,
1984	15,680		20.98%	3	5.88%	•	4,009	3,390
1985	16,460	: · · · ·	20.9870			2,583	4,361	3,559
1986	17,160		21.20%	104		2,583		
1987	18,340		22.31%	91	2.70%	2,878	-	3,965
1988	19,220	4,094		100	2.23%	3,016	-	
1989	20,150	5,088			3,38%	3,162		
1989	20,130		25.25%	172			6,634	
1990		5,288	25.68%		3.12%	3,231		4,431
	21,430	5,415	25.27%		2.89%	3,363	6,809	
1992	22,410			186			6,961	4,845
1993	23,750						7,556	5,135
1994	25,360	•				3,980	8,235	5,483
1995	26,580		26.53%	182			8,894	
1996	28,480			224			9,157	
1997	30,370	· ·	25.22%	190				
1998	31,479	7,940		194	2.44%			
1999	32,596	8,223	25.23%	197	2.40%	5,115	10,392	
2000	33,721	8,509				5,292	10,758	
2001	34,850		25.24%	204	2.32%	5,469	11,125	
2002	35,983	· · · · · · · · · · · · · · · · · · ·			2.28%			7,779
2003	37,116		25.25%	1		5,825		<b>8,02</b> 4
2004	38,248			•				8,269
2005	39,377			215	2.16%			8,51
2006	40,499	10,235	25.27%	217	2.12%	6,356	12,971	
2007	41,613	10,519	25.28%	219	2.08%	6,530	13,337	
2008	42,715	10,801	25.29%	220	2.04%	6,704	13,699	
2009	43,805	11,079	25.29%	222	2.00%	6,874	14,058	9,47
2010	44,878		25.30%	223	1.96%	7,043	14,412	9,70
2011	45,932	11,623	25.30%	223	1.92%	7,208	14,760	<sup>'</sup> 9,93(
2012	46,966	11,887	25.31%	224	1.88%	7,371	15,102	: 10,154
2013	47,976	12,146	25.32%	224	1.84%	7,529	15,437	10,37
2014	48,959	12,398	25.32%	223	1.80%	7,683	15,764	10,58
2015	49,914	12,643	25.33%	223	1.76%	7,833	16,082	10,79
2016	50,837	1 · · · · ·	25.34%					
2017	51,727	1						11,18
2018	52,580		25.35%		1.64%		16,974	
2019	53,395		1	1 · · · · · · · · · · · · · · · · · · ·	1.60%		17,249	
2020	54,170		25.36%				17,510	
		980-1997)		+	Standard De			
		1998-2020)			Latest/Most			
Assumptions			//0	· · · · · · · · · · · · · · · · · · ·	Domestic only		(	
· · · · · · · · · · · · · · · · · · ·		r Use ner Perco	<u></u>				erson per day	
	M&I / Total Domestic Water Use per Person [M&I/Total Domestic Water Use Coefficients]				,		person per day	ar.
		ater Use per W		0.2360	Gallons per w	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
commercial o		Water Use Coe	ULAGI	1,133.9	· Ganons per w	roikei pei udy	(evenues mui	···5/

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

### Lyon County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

Forecasts	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic	Population on Public Water	Percent of Population on	Supplied Domestic	Forecasted Self Supplied Domestic	Industrial (M&I) Water
1998-2018			Water Use [1]		Public Supply	Water Use [2]	Water Use [2]	Use [2] [3]
1980	12,453		163		!			
1981	12,972	2,053	169					
1982	13,375	2,117					,	
1983	13,815	2,186		**	'			
1984	14,364	2,273	188.					
1985	15,079	2,386		<del></del>	;			
1986	15,720	2,488	205					
1987	16,801	2,659			:			
1988	17,607							
1989	18,459	2,921	241					
1990	18,863	2,985	246					
1991	19,632	3,107	256		· :			
1992	20,530	3,249	268					
1993	21,757	3,443	284					-
1994	23,232	3,676	303				· ·	-
1995	24,350	3,853	318	24,350	91.61%	3,853	318	5,74
1996	26,091	4,129	341	26,097	91.63%			6,15
1997	27,822			27,836	91.66%	4,405		6,56
1998	28,838	4,563	377	28,859		4,567		
1999	29,861		390	29,891				7,05
2000	30,891	4,888		30,930				7,29
2001	31,926	5,052		31,974				
2002	32,964	5,216		33,022		5,226		7,78
2002	34,002	5,381			91.79%			8,03
2003	35,039	5,545		35,118		5,557		8,28
2004	36,073			36,163		5,723		-
2005	37,101		485		91.86%	5,887		
2000	38,121	· ·		· ·				9,01
2007	•	6,192			1			9,01
2008	39,132							
	40,129	6,350		•		6,373	•	
2010	41,113	6,506		41,267	91.95%			9,72
2011	42,079			42,247	91.98%			9,95
2012	43,026			43,209		6,838		
2013	43,951	6,955		44,149			1	
2014	44,852	7,098		45,065	92.05%			10,61
2015	45,726	A CONTRACT OF						10,82
2016	46,572	7,370				7,409		
2017	47,387	7,499		47,648	92.12%			11,22
2018	48,169		·	48,447	92.14%			11,41
2019	48,916	7,741	639	49,210	92.16%			11,59
2020	49,625	7,853	648	49,936	92.18%	7,902	604	11,76
<b>Assumptions</b>	* *			M&I Factor	Domestic only			
M&I / Domestic Use/Person (Public Supplied) [Public Supplied Water Water Use Coefficients]			<b>210.7</b> 0.2360		Gallons per person per daypublic supply Acre-feet per person per year			
	• • • • • • • • • • • • • • • • • • • •					erson per day-		
Domestic Water Use per Person - Self-Supplied Water [Self-Supplied Water Use Coefficient]						/	···· · · · · · · · · · · · · · · · · ·	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

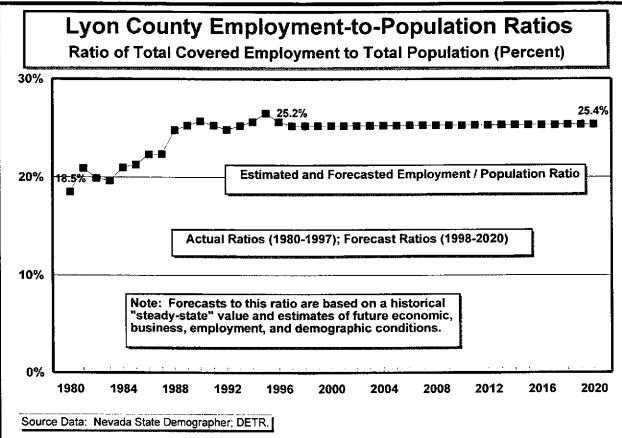
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

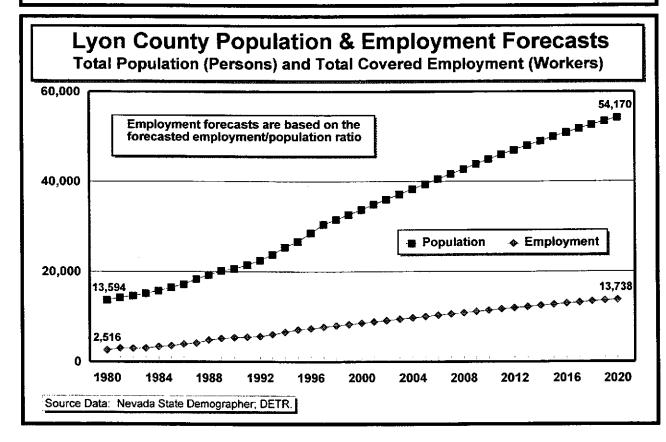
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

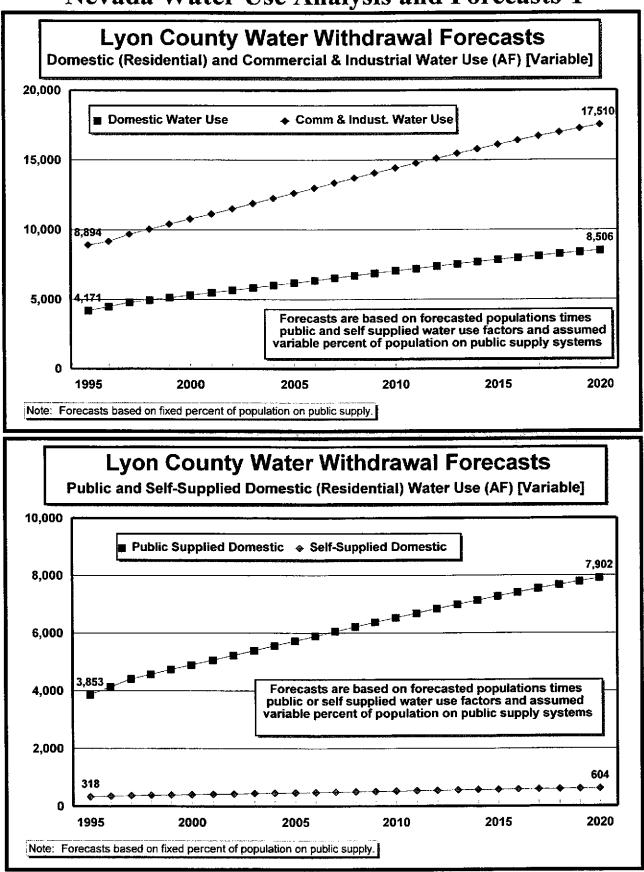
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

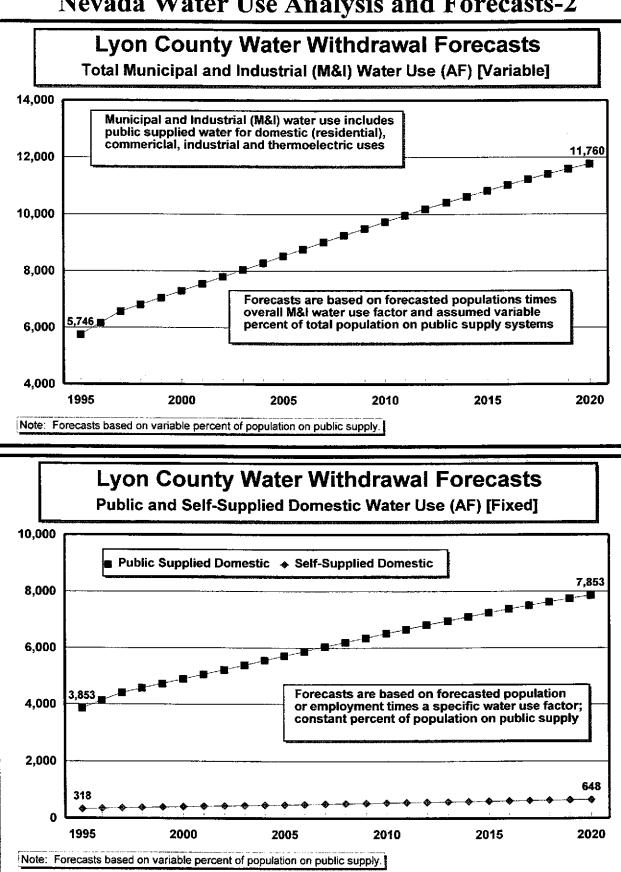
Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

# Nevada Socioeconomic Analysis and Forecasts









## Mineral County Water Withdrawal Forecasts

Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

Failur	Fatan a		Ded	1	Essential.		Forecasted Municipal &
			Estimated and Forecasted	Share of Total	Forecasted Total Domestic	Commercial	Industrial
Resident			Mining	Covered	(Residential)	and Industrial	(M&I) Wate
Population			** *** **** **************************				
							•
6,220	2,224	35.76%	103	4.63%			1,16
6,200	2,359	38.05%	215	9.10%	1,067		
6,180	2,389	38.65%	285	11.93%	1,063	274	1,15
6,180	2,335	37.78%	284	12.16%	1,063	267	1,15
6,200		37.57%	330	14.17%	1,067	261	1,16
						253	1,17
					•		
					•		1,21
,							
							1,22
							1,21
							1,20
							1,2
				*			-
	+		where a company of the second se			· · · · · · · · · · · · · · · · · · ·	1,28
	,		1				
	· ·						
							. '
	•						
			1				1,3
				1			
		33.16%	306	13.06%			
7,086	2,338	32.99%	304	13.01%			
7,108	2,333	32.83%	302	12.96%	1,223		. I <b>,</b> 3:
7,128	2,328	32.66%	301	12.91%	1,226	264	1,3:
7,148	2,323	32.50%	299	12.86%	1,230	264	1,3
7,165	2,317	32.34%	297	12.81%	1,233	: 263	1,34
			295	12.76%	1,236	263	1,34
							1,34
,					•		
	1	1				1	
	-		1		-		
-							
-		+	1			+	
the second se							1,0
÷ .	•						
	1998-2020)	. 52.36%		·		1(1774-177/)	
	· · · · · · · · · · · · · · · · · · ·						
	-						
the second se			-+				
Lindustrial W				Gallons per v			
	Forecasted Resident Population 6,217 6,230 6,220 6,200 6,180 6,200 6,180 6,270 6,400 6,460 6,470 6,460 6,470 6,460 6,510 6,410 6,560 6,510 6,410 6,560 6,893 6,924 6,955 6,984 7,011 7,037 7,062 7,086 7,108 7,128 7,148 7,165 7,182 7,182 7,196 7,210 7,221 7,232 7,241 7,254 7,254 7,254 7,261 7,262 1 Average (19 00 Average (	Forecasted Resident Population         Forecasted Total Covered Employment           6,217         2,273           6,230         2,309           6,220         2,224           6,200         2,359           6,180         2,389           6,180         2,335           6,200         2,329           6,180         2,335           6,200         2,329           6,270         2,358           6,400         2,553           6,400         2,553           6,400         2,553           6,460         2,618           6,470         2,573           6,460         2,618           6,470         2,573           6,460         2,545           6,510         2,607           6,410         2,548           6,700         2,545           6,810         2,494           6,860         2,355           6,924         2,354           6,955         2,353           6,984         2,351           7,011         2,348           7,037         2,345           7,062         2,342           7,165	Forecasted ResidentForecasted Total Covered EmploymentEmployment/ Population6,2172,27336.56%6,2302,30937.07%6,2202,22435.76%6,2002,35938.05%6,1802,38938.65%6,1802,32937.57%6,2702,35837.61%6,4002,55339.89%6,4602,61840.53%6,4702,57339.76%6,4602,61840.53%6,5602,73941.75%6,5102,60740.04%6,4102,54537.99%6,8102,49436.63%6,8602,35534.17%6,9242,35434.00%6,9552,35333.83%6,9842,35133.66%7,0112,34833.49%7,0372,34533.33%7,0622,34233.16%7,07862,33332.83%7,1282,32832.66%7,1282,32832.66%7,1282,32832.66%7,1282,32832.66%7,1292,31132.18%7,1202,29731.86%7,2212,28931.70%7,2222,28131.54%7,2482,26331.22%7,2542,22430.76%7,2612,23330.76%7,2622,22230.60%Average (198-1997)38.28%od Average (198-1997)	Forecasted Resident         Forecasted Total Covered Population         Employment Ratio         Forecasted Mining Employment           6,217         2,273         36.56%         134           6,230         2,309         37.07%         204           6,220         2,224         35.76%         103           6,200         2,359         38.05%         285           6,180         2,335         37.78%         284           6,200         2,329         37.57%         330           6,270         2,358         37.61%         413           6,400         2,618         40.53%         633           6,470         2,573         39.76%         603           6,460         2,618         40.53%         633           6,470         2,541         39.33%         439           6,560         2,739         41.75%         407           6,510         2,607         40.04%         392           6,410         2,545         37.99%         396           6,860         2,355         34.17%         313           6,924         2,351         33.66%         311           7,011         2,348         32.09%         300<	Forecasted Resident Population 6,217         Forecasted 2,273         Employment 8,48io         Forecasted Mining Employment 8,48io         Share of Total Mining 6,217         Covered 2,273           6,217         2,273         36,56%         134         5,91%           6,220         2,329         37,07%         204         8,82%           6,220         2,224         35,76%         103         4,63%           6,200         2,335         37,78%         284         12,16%           6,180         2,335         37,78%         284         12,16%           6,200         2,329         37,57%         330         14,17%           6,270         2,358         37,61%         413         17,53%           6,400         2,553         39,89%         623         20,62%           6,460         2,618         40,53%         633         24,18%           6,470         2,573         39,76%         603         23,43%           6,510         2,607         40,04%         392         15,61%           6,700         2,545         37,99%         396         15,55%           6,810         2,494         36,63%         389         15,61%           6,860	Forcasted Residen Population         Forcasted Total Coversion Ratio         Employment/ Employment         Forecasted Employment         Share of Total Total Domestic Employment         Total Coversion Residential Employment         Stare of Total Total Coversion Residential Employment         Stare of Total Coversion Residential Employment         Stare of Total Coversion Residential Employment         Total Residential Residential Employment         Total Residential Reside	Forcasted Pepulation         Forcasted Employment         Employment Resident         Employment Population         Employment Employment         Employment Resident Employment         Employment Resident Employment         Employment Resident Employment         Resident Resident Resident Employment         Water Use[1] Water Use[1]           6,217         2,273         36,56%         134         5.91%         1.070         274           6,220         2,224         35,76%         103         4.63%         1.070         276           6,180         2,335         37,78%         285         11.93%         1.063         274           6,180         2,335         37,78%         284         12.16%         1.063         267           6,400         2,553         39,89%         526         20.62%         1,101         259           6,400         2,513         39,76%         603         24.18%         1,111         274           6,560         2,739         41.75%         407         14.87%         1,129         304           6,510         2,607         40.04%         392         15.04%         1,132         280           6,410         2,545         34.34%         316         13.41%         1,180         266

Note: One acre-foot (AF) is equivalent to approximately 325.851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

## Mineral County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

1980-1997; Forecasts 1998-2018		Supplied Domestic Water Use [1]	Domestic	Forecasted Population on Public Water Systems [2]	Population on	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&I) Water
1980	4,910	863	207				·	
1981	4,920	865	207					
1982	4,912	863	207					
1983	4,896	860	206	·				
1984	4,880	858	206	410	·			
1985	4,880	858	206				· '	
1986	4,896	860	206	'			·	
1987	4,951	870	209		:			
1988	5,054		213					-
1989	5,101	896	215					-
1990	5,109		215					-
1991	5,101		215					-
1992	5,180		218				· ·	-
1993	5,141		217				· · · · · ·	-
1994	5,062	889	213					-
1995	5,291	930		5,291	78.97%	930	223	1,25
1996	5,378	945	223	5,379		945		1,27
1997	5,417		228		79.01%	952		1,28
1998	5,443	956			79.03%			1,29
1999	5,468	961		5,474	79.05%	962		
2000	5,492	965		5,499		966		1,30
2000	5,515		231	5,523	79.09%			
2001	5,515		232	5,546	1			1,31
2002	5,557		233	5,569	79.11%			1,32
2003	5,577		234	5,590	79.15%	982		1,32
2004	5,596	983	235	5,610				1,32
2005	5,613	985	230		79.17%			1,33
2008	5,629	980	237	5,626				1,33
2007	5,644	1	237	· · ·	79.21%	992	f .	1,33
2008	•		1	5,663	79.23%	998		1,34
2009	5,658	994	238	5,678		996 1,000		1,34
	5,671	. 999	239	5,693				1,35
2011	5,683		240		i .	1,003		1,3
2012	5,693		240			1,005		1,35
2013	5,703	1 1	1	,	79.33%	1,007		
2014	5,711	1,004	241	5,738	79.35%	1,008		1,35
2015	5,718		241	5,747	79.37%			1,30
2016	5,724			5,754				
2017	5,728		241	5,760				, .
2018	5,732	•						
2019	5,734					1,014		-
2020	5,735	1,008	242		79.47%	1,014	236	1,30
ssumptions					Domestic only			
	tic Use/Person				1		person per day	
	lied Water Wa		^	0.2371		· · · · · · · · · · · · · · · · · · ·	r person per year	ŗ
omestic Wa	ter Use per Pers	son - Self-Supp	lied Water	141.3	Gallons per p	erson per day-	-self supply	
[Self-Supplie	ed Water Use C	oefficientl		0.1583	Acre-feet per	person per ve	аг	

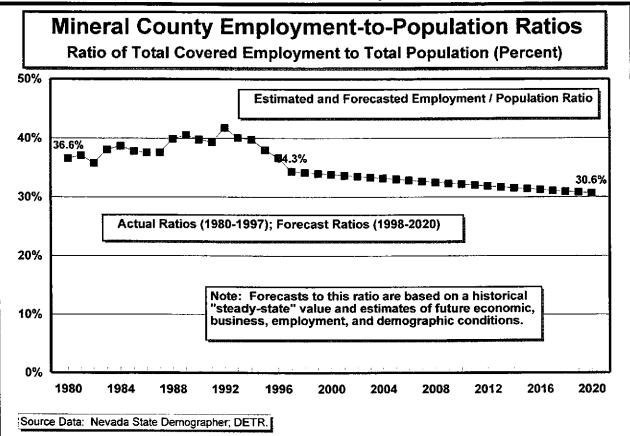
Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

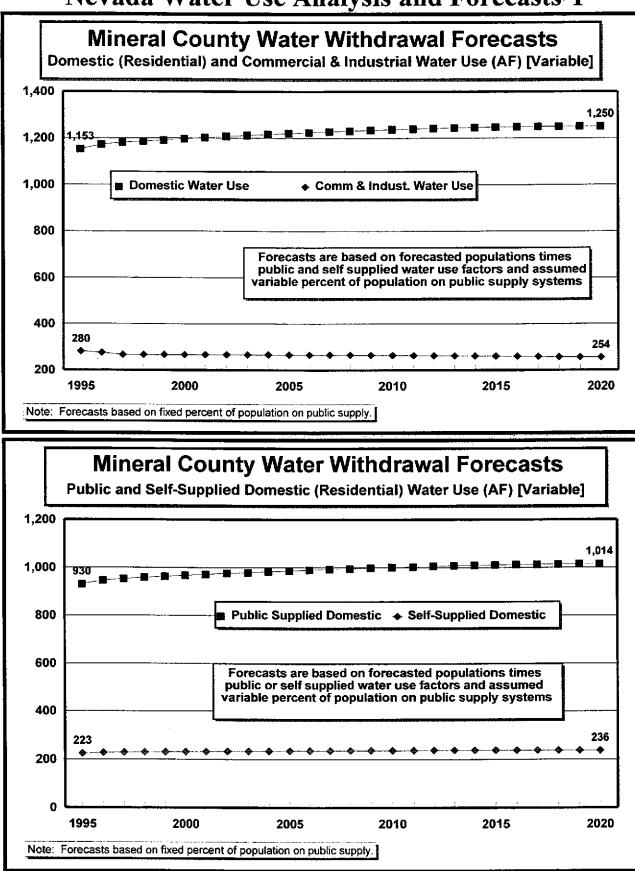
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

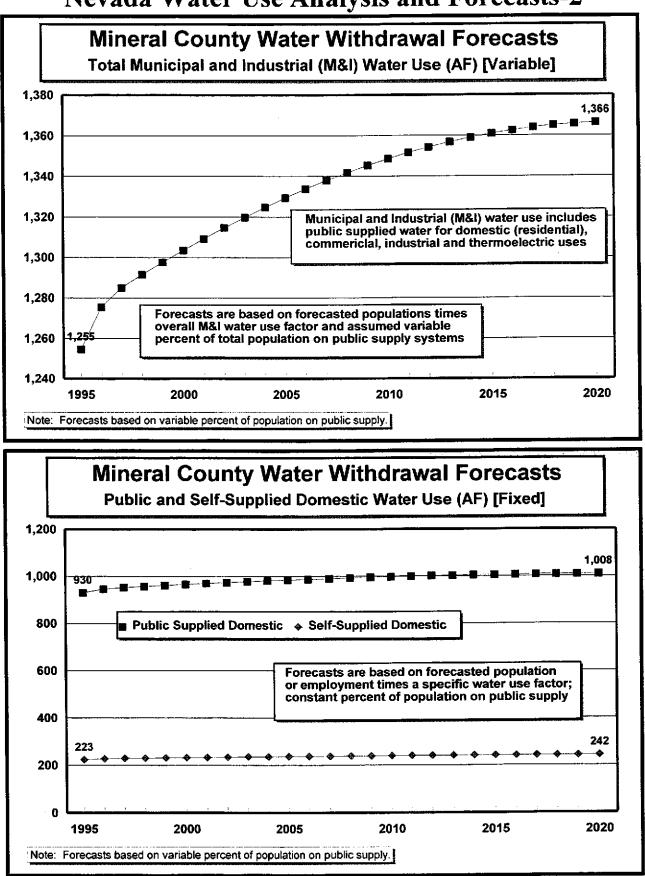
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.



**Mineral County Population & Employment Forecasts** Total Population (Persons) and Total Covered Employment (Workers) 8,000 7,262 6,217 6,000 Employment forecasts are based on the forecasted employment/population ratio 4,000 Population Employment 2.273 2,222 \*\*\*\* 2,000 0 1980 1984 1988 1992 1996 2000 2004 2008 2012 2016 2020 Source Data: Nevada State Demographer; DETR.





## Nye County Water Withdrawal Forecasts

i

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

		Estimated and		Estimated and		Forecasted	Forecasted Total	Forecasted Municipal &
1980-1997; Forecasts 1998-2018	Resident Population	Forecasted Total Covered Employment		Mining	Covered	(Residential)	and Industrial Water Use[2]	(M&I) Water
1980	9,048		75.05%				625	
1981	11,000			· · · · ·	16.95%	-		
1982	13,040					3,273		3,466
1983	13,480	· · ·	63.89%					
1984	14,570	,	62.83%	· · ·				
1985	14,570							
1986	14,680	· · ·			10.02%	3,685		,
1987	15,200				11.87%	3,815		4,041
1988	15,760					-		
1989	17,540				16.48%	4,402		
1989	17,540			,	17.37%			4,835
1990	19,110	· · · ·	61.68% 56.83%			4,308		
1991	20,080			,	15.03%			
1992	20,080			,	14.48%	5,040		
1993	,	.,	42.59%	,		5,158		
	20,720	· · · · · ·	40.26%					
1995	23,050	,			15.25%			6,127
1996	25,240				16.39%	6,335		
1997	27,610		31.32%		15.76%	6,930		
1998	28,680	, ,			15.46%			7,624
1999	29,755							
2000	30,834	· · · · ·		A CONTRACT OF				
2001	31,913	· · ·	31.23%		14.56%	8,010		
2002	32,990	, , , , , , , , , , , , , , , , , , , ,				8,280		8,770
2003	34,062	,				8,549		9,055
2004	35,127							9,338
2005	36,181	· · · · ·				9,081		9,618
2006	37,221	· · ·	31.11%			9,342		9,894
2007	38,244	· · · · ·	31.09%	1,517	12.76%	9,599		10,166
2008	39,248			1,519	12.46%	<b>9,8</b> 51	1,162	10,433
2009	40,230	12,488	31.04%	1,519	12.16%	10,097	1,195	10,694
2010	41,185		31.02%	: 1,515	11.86%	10,337	1,226	1 <b>0,948</b>
2011	42,112	13,052	30.99%	1,509	11.56%	10,570	1,257	11,194
2012	43,007	13,320	30.97%	1,500	11.26%	10,794	1,287	11,432
2013	43,867	13,576	30.95%	1,488	10.96%	11,010	1,316	11 <b>,661</b>
2014	44,689	13,820	30.93%	1,473	10.66%	11,217	1,345	11, <b>879</b>
2015	45,471	,		,		11,413		12,087
2016	46,210			F				12,284
2017	46,903		30.86%					12,468
2018	47,548		30.83%			11,934		12,639
2019	48,143		30.81%			12,083		12,797
2020	48,684		30.79%					12,941
		980-1997)			Standard De		the second secon	
		1998-2020)			Latest/Most	•	· ·	
Assumptions			51.07/0	· • · · · · · · · · · · · · · · · · · ·	Domestic only			
· • •		r Use per Perso	n		······································		person per day	
	A&I / Total Domestic Water Use per Person						r person per uay	r.
		ater Use per Wo		0.3895			(excludes mini	
		Water Use Coef				-	ar (excludes mini	-
	i oc mousuiai	WAIGI USE COEL	metenti	0.1089	Acie-ieet per	worker per ye	a (excludes in	ining)

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

## Nye County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Population on	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Wate Use [2] [3]
1980	6,175	1,601	670		:			
1981	7,507	1,946						
1982	8,899	2,307						-
1983	9,199		999				:	
1984	9,943	2,577						
1985	9,943	2,577				-		
1986	10,018						,	_
1987	10,373		1,126					-
1988	10,755							-
1989	11,970							-
1990	12,413						-	_
1991	13,041	3,380						_
1992	13,703	3,552						
1992	14,024	3,635	· · · · · · · · · · · · · · · · · · ·				:	
1994	14,024		1,523 1,535					-
1995	14,140	· •	1,555		69 740/	4,077	1,708	6,12
1995					68.24%			6,71
1990	17,225	4,465		17,229		4,466		
1997	18,842	4,884				4,886		
	19,572	5,073		19,587		5,077		
1999	20,306	5,263	· · · · · · · · · · · · · · · · · · ·	20,326		5,269		7,91
2000	21,042	,			68.33%	5,461		8,20
2001	21,779				68.35%	5,654		8,49
2002	22,514			22,553	68.36%			
2003	23,245			23,292	68.38%	6,037		9,06
2004	23,972	6,214		24,026		6,228		
2005	24,691	6,400		24,753				
2006	25,401	6,584		25,471	i	6,602		9,91
2007	26,099			26,178		6,785		
2008	26,784			<b>26,87</b> 1		6,965		10,45
2009	27,454	7,116	•			7,141		
2010	28,106		· · ·	28,211		7,313		
2011	28,738	· · · · ·			,	7,479	•	11,22
2012	29,349			29,474	68.53%	7,640		
2013	29,936	7,760	3,251	30,071	68.55%	7,795		
2014	30,497	7,905	3,311	30,642	68.57%	7,943	3,278	11,91
2015	31,031	8,044	3,369	31,186	68.58%	8,084	3,333	12,12
2016	31,535	8,174	3,424	31,701	68.60%	8,217	3,385	12,32
2017	32,008	8,297	3,476	32,185	68.62%	8,343	3,434	12,51
2018	32,448	8,411	3,523	32,635	68.64%	8,459	3,480	12,68
2019	32,854	8,516		33,052		8,567		12,84
2020	33,224					8,666		12,99
ssumptions				🕶 ara siin an ar 1 ar 1 ar	Domestic only			
		(Public Suppli	ed)	347.7		*** *** *** * ************************	person per day	public suppl
	lied Water Wat		· ·	0.3895			person per year	
······································			lied Water	208.3		erson per day-		
	d Water Use C				Acre-feet per			
· · · · · · · · · · · · · · · · · · ·	d Resident Pop				Acre-reet per	Person per yea	**	

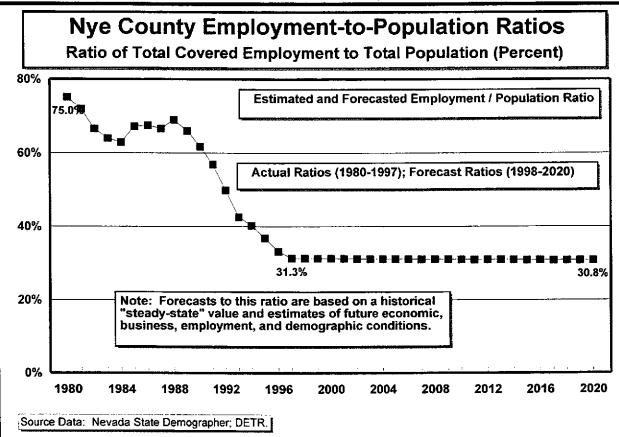
Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

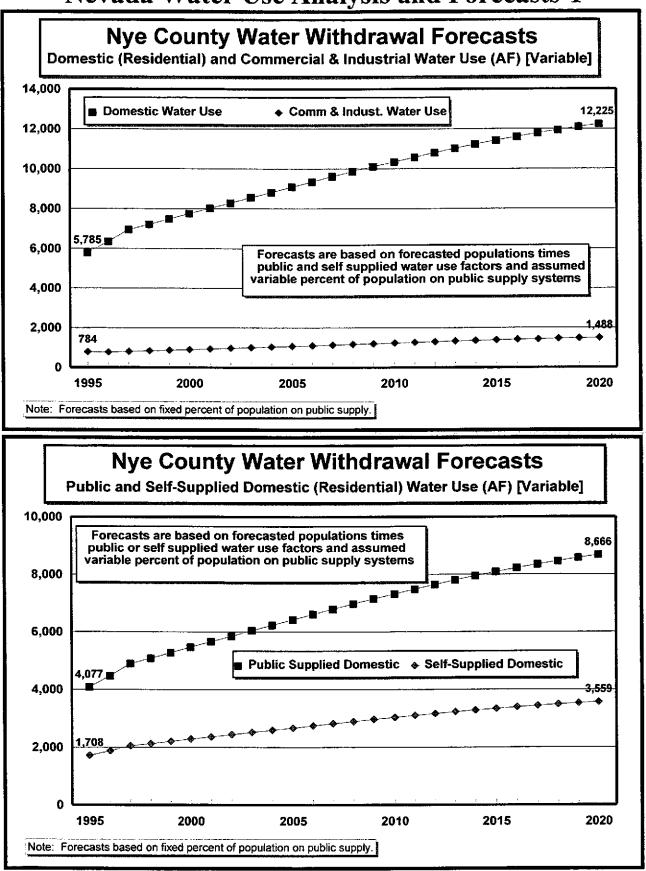
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

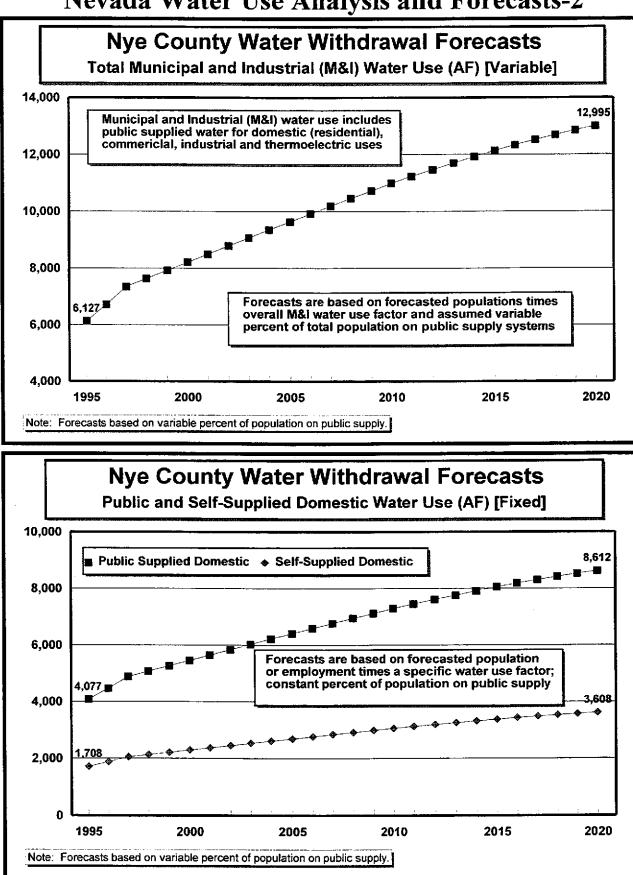
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates-State Demographer; Population forecasts--NDWP; Employment-DETR; Employment forecasts--NDWP.



**Nye County Population & Employment Forecasts** Total Population (Persons) and Total Covered Employment (Workers) 60,000 48,684 Employment forecasts are based on the 50,000 forecasted employment/population ratio 40,000 30,000 Population Employment 20,000 14,988 10,000 6,790 0 1980 1984 1988 2008 2012 2016 2020 1992 1996 2000 2004 Source Data: Nevada State Demographer; DETR.





## Pershing County Water Withdrawal Forecasts

#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

ears: Actuals 1980-1997; Forecasts 1998-2018	Forecasted Resident	Estimated and Forecasted Total Covered Employment	Employment/	Mining	Share of Total Covered Employment	(Residential)	and Industrial	Forecasted Municipal & Industrial (M&I) Wate Use [1] [3]
1980	3,408					890		
1981	3,610	1,376	38.11%		34.52%	942	310	1,21
1 <b>98</b> 2	3,720	1,266	34.03%		26.74%	971	319	1,25
1 <b>983</b>	3,710	1,095		229	20.96%	968	298	1,25
1984	3,650	1,052	28.82%	218	20.75%	953	287	1,23
1985	3,660	,		195		955	301	1,23
1986	3,830			196		1,000	362	1,29
1987	4,110	1,349	32.83%	448	33.17%	1,073	310	
1988	4,380	,	38.23%			1,143		1,48
1989	4,470	· ·	38.57%	691		•		
1990	4,550	1,760		683	38.82%	1,188		1,5
1991	4,700		37.09%					
1992	4,800	,		661	37.99%	1,253	372	
1993	4,690				36.22%	1,224	378	1,5
1994	4,790	1,740	36.32%		39.14%	1,250		1,6
1995	5,140				36.17%	1,342	1	
1995	6,260			817		1,634	458	2,1
1990 1 <b>997</b>	6,600	2,147	34.30%	861			487	2,2
1998	6,759		34.47%		And the second residence in the second	· · · · · · · · · · · · · · · · · · ·		•
1998	6,915			872		1,704		2,2
2000	7,068		34.43%	891 ×			531	2,3
2000								2,4
2001	7,218					1,884		
	7,364 7,506							
2003		,						
2004	7,644							
2005	7,777		1	•	34.63%		614	2,6
2006	7,905						627	
2007	8,027		34.31%		•			
2008	8,144				L		,	
2009	8,255		34.28%					
2010	8,359		34.26%			2,182		
2011	8,457		34.24%					
2012	8,548		34.23%	1				
2013	8,632		34.21%	1		2,253		
2014	8,708							
2015	8,777			1				
2016	8,838			1				
2017	8,891						733	
2018	8,936							
2019	8,973		1					
2020	9,001				and a contract of the second of the second statements			3,0
		980-1997)			Standard De			
		(1998-2020)	. 34.28%		Latest/Most		1 (1994-1997)	
ssumption.		<b></b>			Domestic only			<u></u>
		er Use per Perso					erson per day	
[M&I/Total	Domestic Wat	er Use Coeffici	ents]	0.3825			person per yea	
ommercial a	& Industrial W	ater Use per W	orker	307.3	Gallons per v			
[Commercia	d & Industrial	Water Use Coe quivalent to appr	fficient]	0.3442	Acre-feet per			

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons. [1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

## Pershing County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Population on i	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Wate Use [2] [3]
1980	3,010		95					
1981	3,188	842	100				3	
1982	3,285		103		'		· 	
1983	3,276	865			:			
1984	3,223	851	102 :		<sup> </sup>			-
1985	3,232				,			
1986	3,382	893	102				••	-
1987	3,629							-
1988	3,868							-
1989	3,947	1,042						-
1990	4,018		127					
1991	4,150		131				_	-
1992	4,130		131				·	
1992	4,142		134					
1995	4,142		130					•
1994	4,539			4,539	88.31%	1,199	143	1,73
1995	5,528			5,529		1,155		2,1
1990	5,828			5,831	88.35%		1	
1997	5,968			5,973		1,540		
1998	6,106		100	6,112		1,577		
2000	6,242							2,3
2000	6,374	· · · · ·				1,686		
2001	6,503		201	6,383				2,4
2002	6,628	· ·		6,514	1	1,720		
2003	6,750			6,642	88.51%	-		2,5
2004						1 .		
2003	6,868 6,981			6,885 7,000		1,818	1	2,6
2008			1	7,000		1		
2007	7,089				88.59%	1,877		
2008	7,192			7,215		1		
	7,290			7,315				
2010	7,382			7,410				
2011	7,468			7,498				
2012 2013	7,549 7,623							
		,		7,657	1	2,022		
2014	7,690			,				
2015	7,751			7,790				
2016	7,805			7,846		-		
2017	7,851			7,895				
2018	7,891							1 · · · · · · · · · · · · · · · · · · ·
2019	7,923				88.84%			
2020	7,948	2,099	250				2 239	3,0
ssumption.		(D. 1.4)			Domestic only		·	
			ed)				person per day-	
	Construction of the second sec	ater Use Coeffic		0.3825	· • · · · · · · · · · · · · · · · · · ·		r person per yea	<b>I</b>
	-		olied Water		Gallons per p	-		
[Self-Suppli	ed Water Use G	Coefficient]		0.2379	Acre-feet per	person per ye	ar	

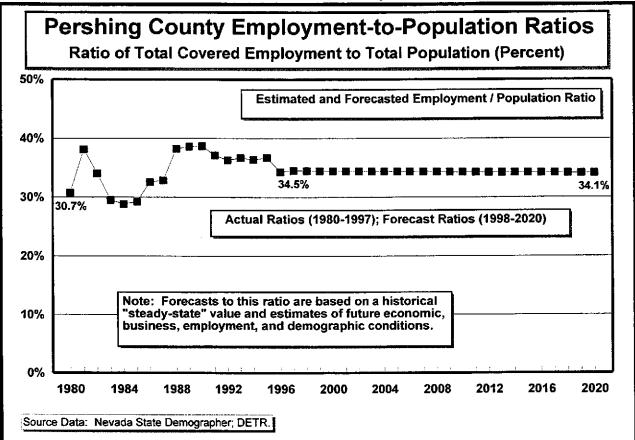
Note: One acre-foot (AF) is equivalent to approximately 325.851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

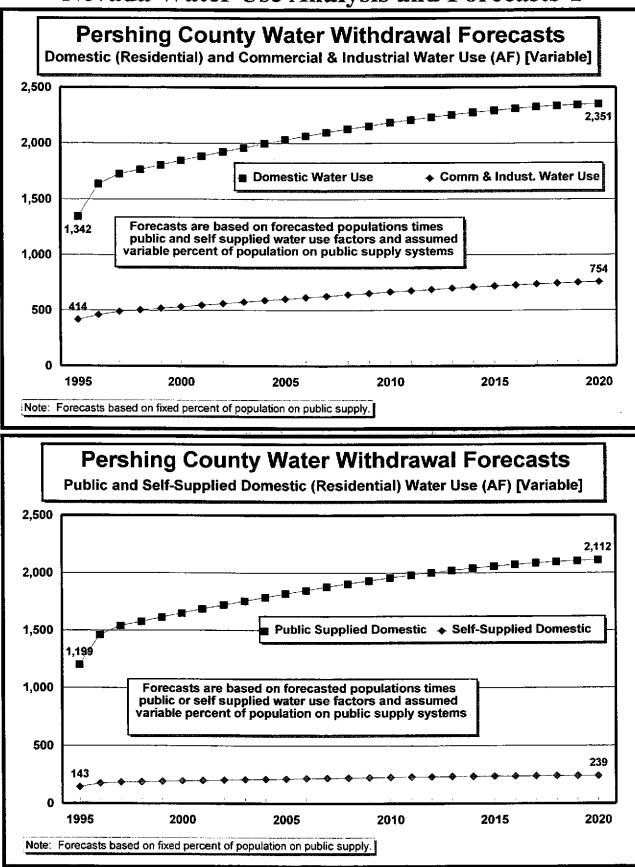
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

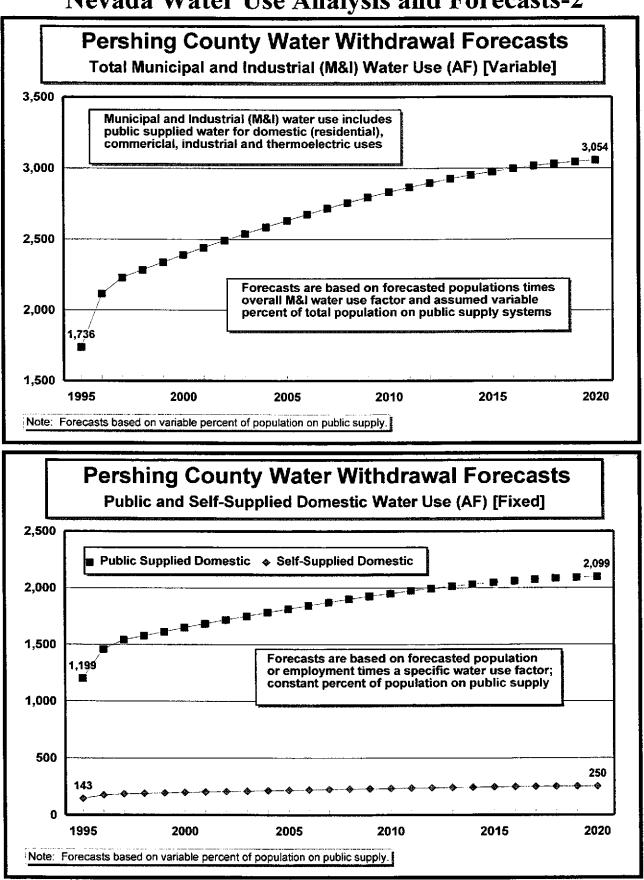
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.



**Pershing County Population & Employment Forecasts** Total Population (Persons) and Total Covered Employment (Workers) 10,000 9.001 Employment forecasts are based on the forecasted employment/population ratio 8-8-8-8-8-8-8-1 8-8-8-8-8-8-8-1 8,000 6.000 Employment Population 4,000 3.4083,068 2,000 1,047 0 2016 2020 1980 1984 1988 1992 1996 2000 2004 2008 2012 Source Data: Nevada State Demographer; DETR.





#### **Storey County Water Withdrawal Forecasts** Page 1 of 2 Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet) Forecasted Forecasted Municipal & Years: Actuals Estimated and Estimated and Forecasted Total Estimated and 1980-1997; Forecasted Employment/ Forecasted Forecasted Share of Total Total Domestic Commercial Industrial Forecasts (Residential) and Industrial (M&I) Water Resident Total Covered Population Covered Mining 1998-2018 Population Employment Ratio Employment Employment Water Use[1] Water Use[2]: Use [1] [3] 1980 47.52% 1,503 714 290 40.54% 160 44 153 1981 1,590 769 -48.33% 329 42.81% 169 46 161 1982 1,690 220 180 44 172 642 37.98% 34.24% 1983 1,730 691 184 42 176 39.95% 287 41.48% 1984 189 47 181 1,780 722 40.54% 38.28% 276 47 1985 197 188 1,850 580 31.36% 126 21.72% 1986 50 199 1,960 543 27.69% 68 12.48% 208 1987 55 216 2,130 631 29.62% 101 15.94% 226 217 1988 2.140637 29.76% 77 12.02% 227 59 1989 2,480 726 29.28% 130 17.84% 264 62 252 1990 2,560 272 60 260 737 28.77% 159 21.64% 276 1991 2,720 727 26.72% 134. 18.46% 289 62 24.44% 1992 2,820 689 97 14.04% 300 62 286 1993 2,850 61 289 669 87 303 23.46% 12.95%

93

81

100

105

107

109

110

112

113

115

116

118

119

120

13.31%

11.24%

11.48%

10.86%

10.76%

10.66%

10.56%

10.46%

10.36%

10.26%

10.16%

10.06%

9.96%

9.86%

329

340

353

374

383

392

401

410

418

427

435

443

451

459

	2008	;	4,386	1,238	28.24%	121	9.76%	466	117
	2009		4,454	1,261	28.31%	122 -	9.66%	473	119
	2010		4,519	1,282	28.38%	123	9.56%	480	121
	2011		4,581	1,303	28.45%	123	9.46%	487	123
1	2012	;	4,640	1,323	28.52%	124	9.36%	493	125
	2013		4,697	1,343	28.59%	124	9.26%	499	127
	2014	:	4,751 :	1,362	28.66%	125	9.16%	505	129
	2015		4,801	1,380	28.73%	125	9.06%	510	131
:	2016		4,848	1,397	28.81%	125	8.96%	515	133
	2017		4,892	1,413	28.88%	125	<b>8.86%</b> :	520	135 :
	2018	i	4,932	1,428	28.95%	125	8.76%	524	136
	2019		<b>4,968</b> :	1,442	29.02%	125	8.66%	528	138
	2020		5,001	1,455	29.10%	125	8.56%	531	139
			verage (1980-		31.35%	7.85%	Standard De	viation (1980-19	97)
Fo	recast P	eriod .	Average (199	8-2020)	28.31%	24.70%	Latest/Most	Stable Period (19	94-1997)
As	sumptio	ns:				M&I Factor	Domestic only		
M	&I / Tota	l Dom	estic Water Us	e per Person	······	143.0	94.9	Gallons per perso	on per day
[]	M&I/Tot	al Don	nestic Water U	se Coefficient	s]	0.1602	0.1063	Acre-feet per per	son per year
Co	mmercia	i & In	dustrial Water	Use per Work	er	93.3	Gallons per w	orker per day (exc	ludes mining)

[Commercial & Industrial Water Use Coefficient] 0.1045 Acre-feet per worker per year (excludes mining) Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table

[2] Excludes mining employment and mining water use.

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

3,100

3,200

3,320

3,520

3,605

3,690

3,773

3.855

3.936

4,016

4.094

4,170

4,244

4.316

698

724

869

967

993

1,019

1,044

1,070

1,095

1,120

1,144

1,169

1,192

1,216

22.53%

22.63%

26.19%

27.47%

27.54%

27.61%

27.68%

27.75%

27.82%

27.89%

27.96%

28.03%

28.10%

28.17%

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

315

325

337

357

366

375

383

391

400

408

416

423

431

438

63

67

80

90

93

95

98

100

103

105

107

110

112

115

## Storey County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

(ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Population on		Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Wate Use [2] [3]
1980	953	105	54			• 		······································
1981	1,008		58		·			
1982	1,071	118	61				÷	
1983	1,096	121	63				·	
1984	1,128	125	65					
1985	1,172	130	67		:		••••	
1986	1,242	137	71					
1987	1,350	149					:	
1988	1,356	150						-
1989	1,572	174	90					_
1990	1,622	179	93		·	~~		_
1991	1,724	190	99					-
1992	1,787	197			-		· ·	-
1993	1,806	200						-
1994	1,965	200						-
1995	2,028	224		2,028	63.38%	224	116	32
1996	2,020	232	110		1	232		
1997	2,104		120	2,105	63.41%	247		
1998	2,231		128	2,232	63.42%	253		36
1999	2,338	252		2,280				37
2000	2,391	258	134	2,341		259		38
2000	2,371		140					
2001	2,445		. 140		1	276		40
2002	2,495		143	2,499		282		40
2005	2,594	287	140					41
2004	2,643	292	148	,		1		42
2005	2,690	292	151	2,697				43
2000	2,030			2,097	63.55%	303		
2008	2,780	302 307			1	303		44
2009	2,780	312						45
2009	2,822	312		2,832				4.
2010				2,874				
2011	2,903	321	166		63.63%			40
2012	2,941	325	168		63.64%			47 47
		329	. 170	-		L		
2014	3,011	333	1					48
2015	3,043	336	1		63.69%	338		48
2016	3,072	-			63.71%			49
2017	3,100							
2018	3,126	345	179			347		
2019	3,149	348	180	3,168		350	1	50
2020	3,169	350	181	3,189		352	179	51
Assumptions					Domestic only			
	tic Use/Person (						person per day	
	lied Water Wat			0.1602			person per year	•
	er Use per Pers		lied Water		Gallons per p	• •		
ISelf-Supplie	ed Water Use C	oefficientl		0.0990	Acre-feet per	person per yea	ar	

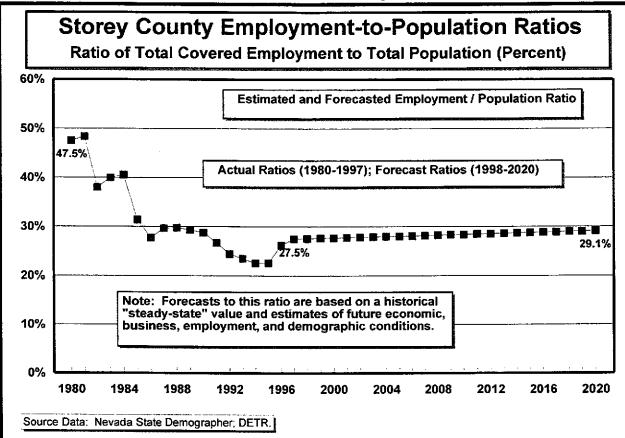
Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

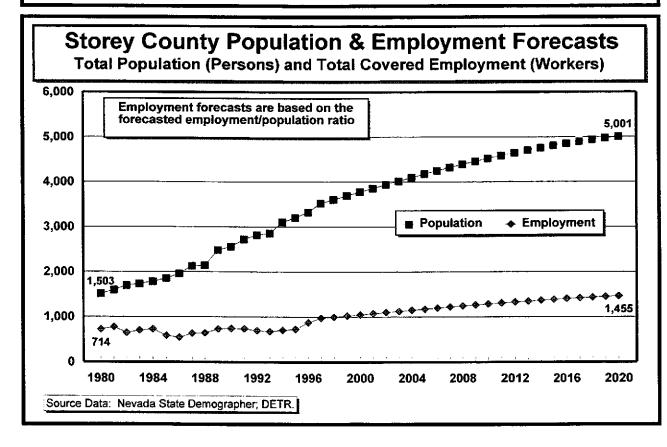
[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

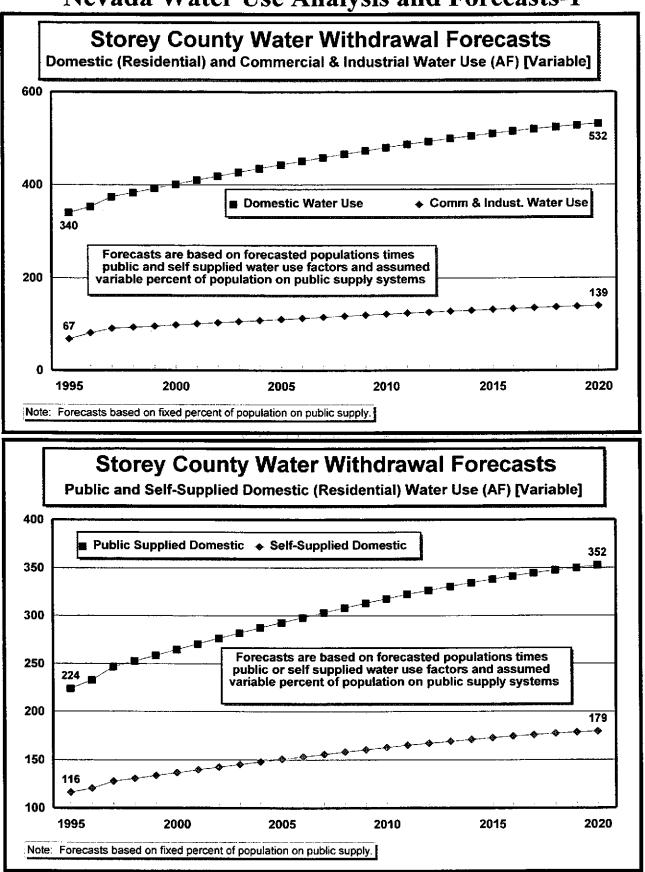
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

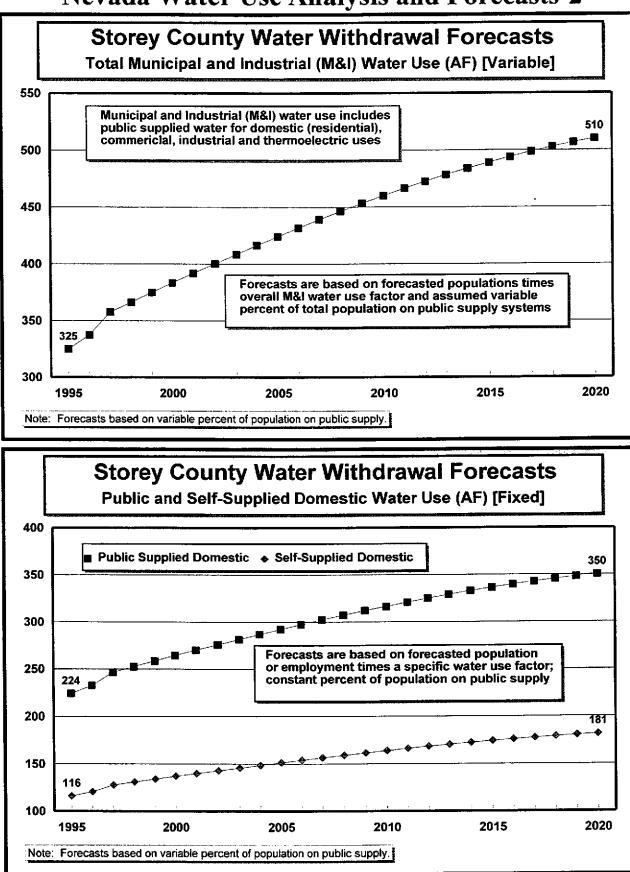
[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.









## Washoe County Water Withdrawal Forecasts

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#### Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

ars Actuald	Fetimated and	Estimated and		Estimated and		Forecasted	Forecasted Total	Forecasted Municipal d
1980-1997:	Forecasted				Share of Total			Industrial
Forecasts	Resident	Total Covered	Population :	Mining	Covered	(Residential) :	and Industrial	(M&I) Wate
1998-2018	Population	Employment	Ratio		Employment			
1980	193,623		58.14%		•	38,174		52,81
1981	201,680			864	0.77%	39,762	16,311	55,00
1982	205,130	· · · · ·				40,443		
1983	210,990	109,752	52.02%			41,598	,	
1984	218,320	116,043	53.15%	718	0.62%		16,810	59,54
1985	224,580	,	53.18%	702				
1986	232,270		53.55%	759	0.61%	45,794		
1987	238,360	129,886	54.49%	920	0.71%	46,994	18,798	65,01
1988	244,890	135,404		1,229	0.91%	48,282	19,557	66,79
1989	251,580	139,320	55.38%	1,433	1.03%	49,601	20,098	68,62
1990	257,120	142,671	55.49%	1,513	1.06%	50,693	20,575	70,13
1991	263,710	141,156	53.53%	1,328	0.94%	51,992	20,381	71,92
1992	266,755	143,157	53.67%	892	0.62%	52,592	20,736	72,75
1993	271,850	148,274	54.54%		0.48%	53,597	21,509	74,14
1994	279,820	156,424		662	0.42%	,	22,704	76,32
1995	291,050	163,151	56.06%	613	0.38%			79,31
1996	303,240	,	55.96%					82,71
1997	308,700		56.64%					
1998	315,488		56.63%			62,200	25,946	
1999	322,264	182,455	56.62%	655	0.36%	63,536	26,499	
2000	329,021	186,234		654		64,869		
2001	335,752	189,996	56.59%		0.34%	66,196		-
2002	342,448	· ·		•		67,516		-
2003	349,104			646	1 1	,		
2003	355,710			642		70,131		
2005	362,260	201,140				71,422		
2005	368,745	204,792		1				
2000	375,158	208,400	56.50%		i .		30,285	
2007	375,158		56.49%	•		75,213		
2008	387,735					-		-
2009	393,884	,	56.48%		0.28%	,		103,7.
2010					0.27%			107,4
	399,929					78,849		
2012 2013	405,863	229,040				80,018	33,299	
	411,677	232,263		574		81,165		112,2
2014	417,364				0.24%			113,8
2015	422,917		56.39%		0.23%			115,3:
2016	428,327	· · ·	56.38%				,	116,8
2017	433,588	244,380					35,544	118,20
2018	438,691	247,195		512			35,956	
2019	443,631	249,916		498				121,00
2020	448,400	252,539	56.32%	483	0.19%			122,30
		80-1997)			Standard Dev	•	•	
	····· • • • • • • • • • • • • • • • • •	1998-2020)	56.48%		Latest/Most		(1994-1997)	<del></del>
ssumptions	/=				Domestic only			
		Use per Perso			1	Gallons per p		
		r Use Coeffici	· · · · · · · · · · · · · · · · · · ·	0.3021		Acre-feet per		
	T T 1 117	ater Use per We			1		(excludes mini	>

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates -- State Demographer; Population forecasts -- NDWP; Employment -- DETR; Employment forecasts -- NDWP.

#### Washoe County Water Withdrawal Forecasts

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

Years: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [1]	Population on Public Water	Variable Percent of Population on Public Supply	Supplied Domestic	Forecasted Self Supplied Domestic Water Use [2]	Industrial (M&I) Water
1980	174,835	34,808	3,366					
1981	182,111	36,256	3,506					
1982	185,226	36,876	3,566					
1983	190,517	37,930	3,668					
1984	197,136	39,248	3,796					
1985	202,789	40,373	3,904				;	
1986	209,733	41,755	4,038					
1987	215,232	42,850					<b></b> ·	
1988	221,128	44,024	4,258				'	
1989	227,169	45,227	4,374				: ·	
1990	232,171		4,470				· !	
1991	238,122		4,585					
1992	240,871	47,955	4,638					
1993	245,472	48,871	4,726					
1994	252,669	50,304	4,865				: ;	
1995	262,809	52,322	5,060	262,809	90.30%	52,322	5,060	79,385
1996	273,816		5,272	273,885	90.32%	54,527		82,724
1997	278,746	55,495	5,367	278,886	90.34%	55,523		84,227
1998	284,876	56,716	5,485	285,089	90.36%	56,758		86,093
1999	290,994	57,934		291.285	90.39%			87,957
2000	297,096		5,720	297,467		59,222		89,816
2001	303,173		5,837	303,628		60,449		
2002	309,220	61,562	5,954	309,762	90.45%	61,670		93,512
2003	315,230	62,759		315,861	90.48%	62,884	•	95,345
2004	321,195	63,946	6,184	321,919		64,090		97,166
2005	327,109	65,124	6,298		90.52%			
2006	332,965	66,290	6,411		90.55%	,		
2007	338,756	67,442	6,522		90.57%	67,645	1	102,529
2008	344,474	68,581	6,632	345,595	90.59%	68,804		
2009	350,113			351,340		69,948		106,001
2010	355,665	· ·		357,001		71,075		107,700
2011	361,123		,	362,571		,	-	109,371
2012	366,481	· · · · · · · · · · · · · · · · · · ·		368,042	90.68%			111,012
2013	371,731	74,008	7,157	373,408	90.70%			
2014	376,867	75,030		•	90.73%	,		114,195
2015	381,880	76,028		383,794	90.75%			115,734
2016	386,766		7,447	388,801	90.77%	77,406		117,233
2010	391,516			393,675		78,376		118,693
2018	396,125			398,409		79,319		120,110
2010	400,585	79,752		402,995		80,232		121,482
2019	400,585		,		90.84%	81,115		122,808
Assumptions		00,009	1,190		Domestic only		1,541	122,000
		(Public Sumeli	:d)	· · · · · · · · · · · · · · · · · · ·			erson per day	nublic euroly
				269.7				
······································		ter Use Coeffic		0.3021			person per year	
	-		lied Water	160.0	• •	erson per day-		
[sen-supplie	d Water Use C	oemcientj		0.1792	Acre-feet per	person per yea	1) 1)	

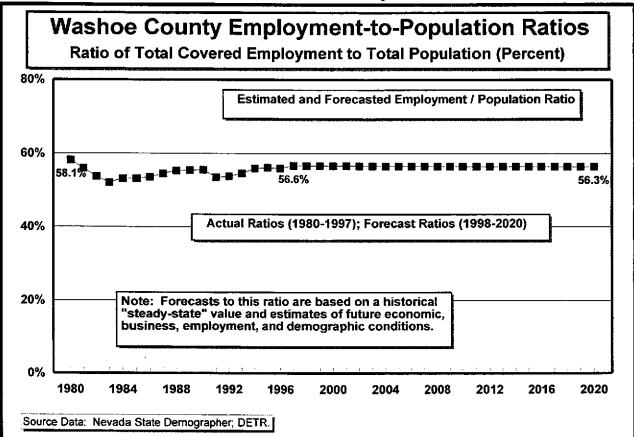
Note: One acre-foot (AF) is equivalent to approximately 325.851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

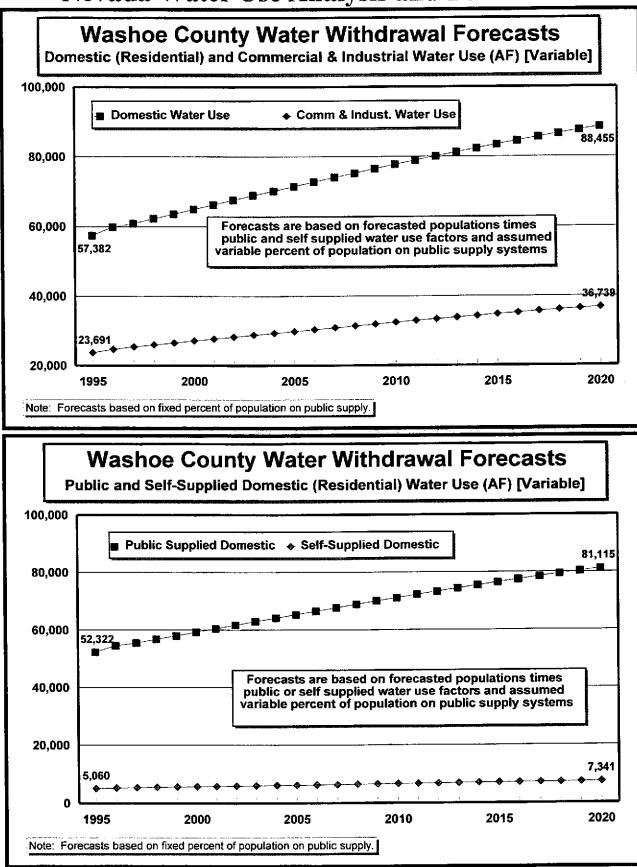
[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

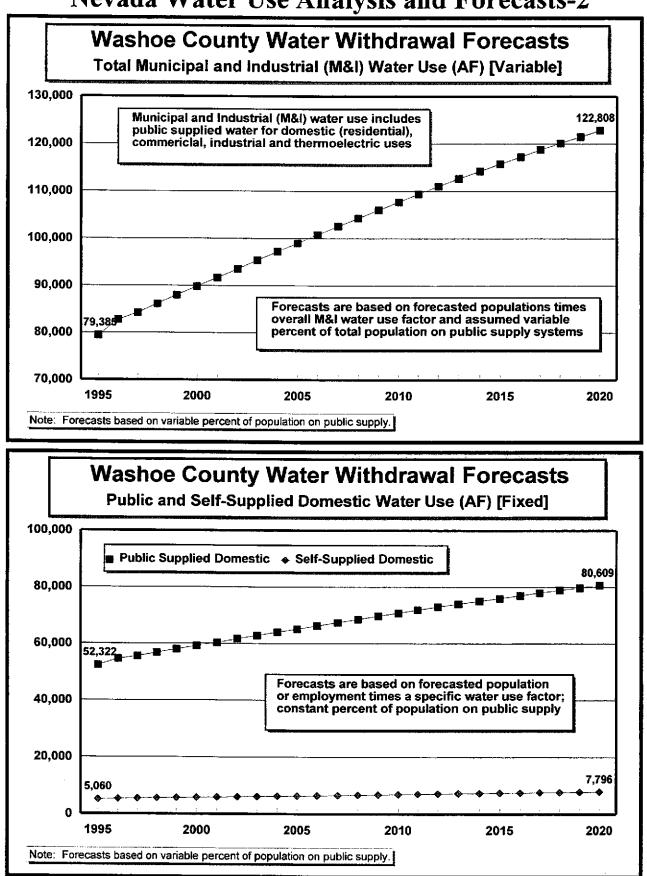
[3] M&1 water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.



Washoe County Population & Employment Forecasts Total Population (Persons) and Total Covered Employment (Workers) 500.000 448.400 Employment forecasts are based on the forecasted employment/population ratio 400,000 300,000 252.539 193.62 200,000 100,000 Population Employment 112,581 0 1980 1984 1988 1992 1996 2000 2008 2016 2020 2004 2012 Source Data: Nevada State Demographer; DETR.





## White Pine County Water Withdrawal Forecasts

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Part 1-Domestic, Commercial & Industrial, M&I Water Use Estimates/Forecasts (Acre-Feet)

	Forecasted Resident	Estimated and Forecasted Total Covered Employment	Employment/ Population	Estimated and Forecasted Mining Employment	Covered Employment	(Residential) Water Use[1]	Water Use[2]	Use [1] [3]
1980	8,167	3,120	38.21%	339	10.86%	2,744		
1981	8,030	3,494	43.51%	541	15.48%	2,698	201	
1982	7,870	2,895	36.78%	359	12.40%			
1983	7,790	2,718	34.88%	416	15.31%	2,618		
1984	7,710	2,750	35.67%	477	17.33%	2,591	155	2,802
1 <b>985</b>	7,710	2,712	35.18%	412	15.20%	2,591		
1986	7,890		35.69%	513	18.23%	2,651	157	
1987	8,000		35.98%	463	16.07%	2,688	165	2,908
1988	8,390	3,191	38.04%	656	20.56%	2,819		
1989	8,650	3,718	42.99%		26.42%	2,906	187	
1990	9,410		41.65%		22.59%	3,162	207	3,420
1991	9,480	3,517		519		3,185	204	
1992	9,570				12.45%	3,216	196	3,478
1993	9,540		33.00%		10.78%	3,206		3,467
1994	9,270					3,115		3,369
1995	9,770	•			14.53%			3,551
1996	10,400				22.12%	3,495	1 C	
1997	10,400		37.01%	i	19.48%			
1998	10,040		<u> </u>	· · · · · · · · · · · · · · · · · · ·				
1998	10,700					-		• · · · ·
2000	11,007				19.18%	3,698		
2000	11,007	,	36.90%	1			·	
2001	11,120				18.98%	•		
					18.88%			
2003	11,334			1	18.78%		1	,
2004	11,433			•				,
2005	11,527				1			
2006	11,616				18.58%			
2007	11,700					; ,		
2008	11,778					•		
2009	11,850				18.28%			; .
2010	11,917					4,004		
2011	11,978							
2012	12,033							
2013	12,082					4,060		
2014	12,125					1		
2015	12,162							
2016	12,193				17.94%			
2017	12,217				17.92%			
2018	12,235			1				
2019	12,247		36.41%					
2020	12,253				17.84%			) 4,453
Actual Perio	d Average (1	980-1997)	37.75%	3.10%		eviation (198		
Forecast Per	iod Average	(1998-2020)					d (1994-1997	)
Assumption	s:			M&I Factor	Domestic only			
		er Use per Pers	on			· •	person per day	
[M&I/Total	[M&I/Total Domestic Water Use Coefficients]						er person per ye	
	and a second second second second second in the second second second second second second second second second				Gallons per v	worker per day	y (excludes mir	ning)
Commercial & Industrial Water Use per Worker					nining)			

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimated water use is based on constant percent of total resident population being on public supplied water systems. See Part 2 of this table [2] Excludes mining employment and mining water use.

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses.

Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.

## White Pine County Water Withdrawal Forecasts

Page 2 of 2

#### Part 2-Estimated M& I and Public & Self-Supplied Domestic Water Use (Acre-Feet)

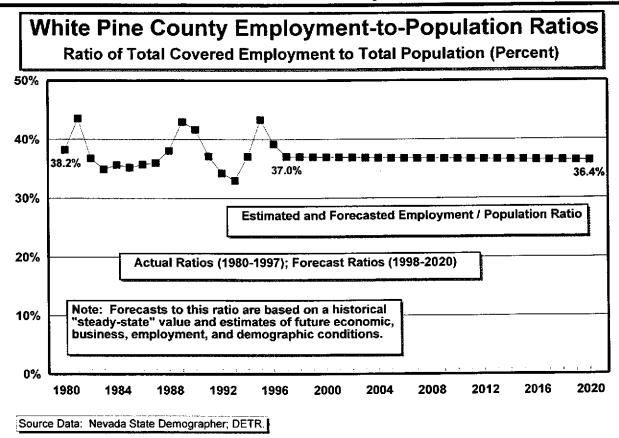
ears: Actuals 1980-1997; Forecasts 1998-2018	Population on Public Water	Supplied Domestic	Forecasted Self Supplied Domestic Water Use f11	Population on Public Water	Variable Percent of Population on Public Supply	Forecasted Public Supplied Domestic Water Use [2]	Forecasted Self Supplied Domestic Water Use [2]	Forecasted Municipal & Industrial (M&I) Wate Use [2] [3]
1980	7,519	2,547	197	Systems [2]	r uone Suppry	Water Use [2]	water Use [2]	036 [2] [3]
1981	7,393	2,504	194					
1982	7,246						· · · ·	
1983	7,172	2,434						•
1984	7,098	2,404	186					•
1985	7,098				·			-
1985	7,098	2,404	180		:			-
1987	7,204							-
1987		2,495	193					
1989	7,724	,			<del></del> -		:	
1989	7,964		•					
	8,664	2,935	227					
1991	8,728	2,956	229					
1992	8,811	2,984						
1993	8,783	2,975						
1994	8,535	2,891	224					
1995	8,995	3,047	236	,			236	3,55
1996	9,575			,		3,244		
1997	9,796	3,318	the second se	9,801	92.11%			3,80
1998	9,912	3,358	260	9,920	92.14%			3,9
1999	10,025		263	10,035	92.16%	3,399		3,90
2000	10,134	3,433	266	10,146		3,437		4,00
2001	10,238	3,468	269	10,254	92.21%	3,473	264	4,04
2002	10,339	3,502	271	10,357	92.23%	3,508	266	4,03
2003	10,434	3,534	274	10,455	92.25%	3,541	267	4,12
2004	10,526	3,565	276	10,550	92.27%	3,573	269	4,1
2005	10,613	3,595	278	10,639	92.30%		270	4,19
2006	10,695	3,622	281	10,724		3,632		4,2
2007	10,772	3,649		10,804	4	3,660		4,20
2008	10,844	3,673	284	10,879	92.37%		1	4,2
2009	10,910	3,696	286	10,949				4,3
2010	10,972	3,716		11,013	92.41%	3,730		4,34
2011	11,028		289		92.44%	3,750		4,3
2012	11,079	3,753	291	11,126	92.46%	3,769		4,3
2013	11,124	3,768	292	11,174	92.48%	3,785	277	
2014	11,164		293	,		3,799		4,4
2015	11,197	3,793		11,254	92.53%			4,4
2016	11,226	3,802			92.55%	3,822	1	4,4
2017	11,248			•	92.58%	3,831		
2018	11,265							
2019	11,205	3,819			92.60% 92.62%	3,842		4,40 4,4
2020	11,270	3,819	296	*				
		3,821	290		92.64%	3,845	274	4,41
Ssumptions					Domestic only	C-11		
			d)	352.4			erson per dayp	
		er Use Coeffici		0.3948			person per year	
	-	on - Self-Suppl	ned water		Gallons per pe			
[sen-supplie	d Water Use C	oefficient		0.3045	Acre-feet per	person per yea	г	

Note: One acre-foot (AF) is equivalent to approximately 325,851 gallons.

[1] Estimates/forecasts are based on constant percent of total resident population being on public supplied water systems.

[2] Estimates/forecasts are based on a variable percent of total resident population on public supplied water systems for the years 1996 through 2

[3] M&I water use includes public supplied water for domestic (residential), commercial, industrial and thermoelectric uses. Sources: Population estimates--State Demographer; Population forecasts--NDWP; Employment--DETR; Employment forecasts--NDWP.



White Pine County Population & Employment Forecasts Total Population (Persons) and Total Covered Employment (Workers) 14,000 Population Employment 12.253 -12,000 **\_\_\_\_**₽\_₽\_₽\_₽\_₽\_ 10,000 **\_\_\_** 8.167 Employment forecasts are based on the 8,000 forecasted employment/population ratio 6,000 4,000 4.457 3,120 2.000 2012 2016 2020 2000 2004 2008 1980 1984 1988 1992 1996 Source Data: Nevada State Demographer; DETR.

