

Table LU-1  
Water Baseline  
Approved Land Use Model

Hydrobasin	Resource	row #	Summary of Resources		Existing Commitments and Domestic Wells							Potential Future Demands							International/Domestic Well Diversion Potential # of Parcels Developed**	total acre feet based on 1800 gpd/ well
			potentially available water resources for M&I and domestic well use (see Tables WR-1 and WR-5) af/yr	total potentially available resources by hydrobasin (see Tables WR-1 and WR-5) af/yr	2002 estimated M&I commitments af/yr	Commitment Notes	2002 Estimated Existing Domestic Well Demands total af @ 1.12 af/yr/ well (h)	Additional Domestic Well Development Based on Development of Existing Vacant Parcels total af @ 1.12 af/yr/well (i)	Total Existing Commitments and Domestic Well Demands by Hydrobasin af/yr (j)	Total Existing Commitments and Domestic Well Demands Resource af/yr (k)	Existing Deficit or Surplus by Resource af/yr (l)	Potential Additional M&I Demand Based on Approved Land Use af/yr (m)	Potential Additional Domestic Well Demand Based on Ability to Split Existing Parcels total af @ 1.12 af/yr/ well (n)	Total Potential Demand all Resources (including existing commitments and domestic wells) af/yr (o)	Total Potential Groundwater Demand (including existing commitments and domestic wells) af/yr (p)	Total Potential Creek Demand af/yr (q)	Total Potential TMWA Resource Demand (including existing commitments) af/yr (r)	Formal Reference for Potential Demand by Resource [f1][f2]		
Tracy Segment [1]	Groundwater	6	5,000	5,000	0		144	144	144	4,856	0	0	0			[f1]	0	not cal'd		
Warm Springs Valley	Groundwater	8	3,000	3,000	0		497	793	1,290	1,290	1,710	0	596	596	596		[f1]	-596	3,402	
Spanish Springs Valley	Groundwater	10	800		2,240	[C-1]	424	496	3,161		-2,361							9,370	2,165	
	TMWA Retail Supply	11	9,370	10,170	4,121	[C-1]			4,121	7,282	5,249	0	0	0	-9,370		[f1][f2]	-9,370		
	TMWA Wholesale Supply	12																		
Sun Valley	Groundwater	14	25		0		84	41	125		-100								3,963	232
	TMWA Retail Supply	15		3,988	3,732	[C-2]				3,732	3,857	231	0	0	0	-3,963		[f1][f2]	-3,963	
	TMWA Wholesale Supply	16	3,963																	
Truckee Meadows / Pleasant Valley	TMWA Resources (under TROA)	18	96,401		76,036	[C-3]			76,036		18,642								6,700	
	Truckee River / TM Groundwater Wholesale	19			1,723	[C-4]			1,723											
	Non-TMWA Resources	20			5,921	[C-5]	1,726	398	8,044		48								-130	4,115
	Non-TMWA Resources	21	10,840		1,520	[C-6]	955	272	2,747											2,448
	Creek Resources	22		113,941						88,551		0	130	130	130	6,700	-6,700	[f3]		
	Thomas Creek	23																		
Whites Creek	24	6,700								6,700										-6,700
Galena Creek	25																			
Total Creek Resources	26																			
Washoe Valley	Groundwater	27	9,300	9,300	100		1,856	388	2,343	2,343	6,957	0	0	0	0		[f1]	0	4,379	
Truckee Canyon (Verdi)	Groundwater	30	2,000	5,076	150		585	164	898	1,523	1,102	0	0	0	-3,076		[f1][f2]	-3,076	1,469	
	TMWA Retail Supply	31	3,076		625	[C-7]			625		2,451								-3,076	
Lemmon Valley combined *	Groundwater (Including TMWA GW in LV)	33	1,768	8,383	2,020	[C-8]	2,315	260	4,595	7,398	-2,827	0	0	0	-6,615		[f1][f2]	6,615	5,206	
	TMWA Imported Retail Supply	34	6,615		2,803	[C-9]			2,803		3,812								-6,615	
Antelope Valley	Groundwater	36	150	150	0		144	202	346	346	-196	0	0	0	0		[f1]	0	711	
Bedell Flat	Groundwater	38	300	300	0		44	113	157	157	143	0	0	0	0		[f1]	0	404	
Dry Valley ***	Groundwater	40	0	0	0		0		0	0	n/a	0		0	0		[f1]	N/A	not cal'd	
Red Rock Valley ***	Groundwater	42	0	0	0		312	456	768	768	n/a	0	0	0	0		[f1]	N/A	not cal'd	
Cold Springs / Long Valley	Groundwater	44	incomplete	incomplete	1,556	[C-10]	245	82	1,883	1,883	n/a	0	0	0	0		[f1]	N/A	816	
<b>Totals for Resources and Demands/Commitments</b>			<b>159,308</b>	<b>159,308</b>	<b>102,547</b>		<b>9,333</b>	<b>3,664</b>	<b>115,543</b>	<b>115,543</b>		<b>0</b>	<b>726</b>	<b>726</b>	<b>-22,298</b>	<b>6,700</b>	<b>16,324</b>		<b>-726</b>	<b>26,787</b>

Commitment Notes:  
Existing commitments and projections of demand do not include uses such as agricultural or private consumption for activities such as aggregate washing or dust control. The assumption is made that such uses will decrease as water rights are converted over to M&I uses.

[C-1] Spanish Springs commitments:  
2,240 af Washoe County groundwater (3,182 af total WC commitments less 942 af TMWA wholesale commitments)  
942 af TMWA wholesale commitments  
3,179 af estimated TMWA retail commitments based on TMWA Resource Plan pg 82, 2002 projected retail demand for Spanish Springs  
6,361 af total estimated commitments in Spanish Springs

[C-4] 733 af TMWA wholesale commitments for Hidden Valley  
990 af TMWA wholesale commitments in Double Diamond  
[C-5] Non-TMWA groundwater commitments in Truckee Meadows Hydrobasin:  
800 af Washoe County commitments for Hidden Valley  
4,941 af commitments for STMGID, Double Diamond, Arrowcreek, Thomas Creek  
180 af commitments for Steamboat Springs Water System  
180 af commitments for Steamboat Springs Water System

[C-2] Sun Valley commitments:  
2,333 af TMWA wholesale, 1,399 af estimated TMWA Retail based on TMWA Resource Plan pg 82, 2002 projected retail demand for Sun Valley

[C-6] WC commitments for Mt. Rose, Arrowcreek, St. James Village, Timberline, and Sunrise water systems.

[C-3] TMWA commitments in Truckee Meadows hydrobasin:

[C-7] 625 af 2002 estimated TMWA commitments in Truckee Canyon (Verdi) based on TMWA Resource Plan pg 82, projected retail demand for Verdi

TMWA Retail Commitments in Truckee Meadows hydrobasin estimated as follows:

[C-8] Lemmon Valley groundwater commitments: 1,400 af commitments for Washoe County, 620 af commitments for TMWA

89,660 af total commitments  
less 4,998 af wholesale commitments for SV, SS, STM, HV  
less estimated 625 af retail commitments in Verdi  
less estimated 3,179 af retail commitments in Spanish Springs  
less 1,399 af estimated retail commitments in Sun Valley  
less 3,423 af commitments in LV  
equals 76,036 af estimated retail commitments in Truckee Meadows hydrobasin

[C-9] Total TMWA commitments in LV: 3,423 - 620 af LV gw = 2,803 af imported water  
[C-10] Per Utilities Inc. as of June 2003