Table MF-1
Water Resource Baseline
Market Forces Model based on TMWA Population Projections and TMWA Resource Plan Demands

			Summary of Resources		Existing Commitments and Domestic Wells						Potential Future Demands thru 2025						
Hydrobasin	Resource	row #	Potentially Available Water Resources for M&I and Domestic Well Use (see Table WR-1 or WR-5)	Total Potentially Available Resources by Hydrobasin (see Table WR-1 or WR-5)	2002 Estimated M&I Commitments	Commitment Notes	2002 Estimated Existing Domestic Well Demands	Additional Domestic Well Demand Based on Development of Existing Vacant Parcels	Total Existing Commitments and Domestic Well Demands by Resource	Total Existing Commitments by Hydrobasin	Existing Deficit or Surplus by Resource	Potential Additional M&I Demand [3]	Total Potential Demand all Resources (including existing commitments and domestic well potential)	Total Potential Groundwater Demand (including existing commitments and domestic well(s)	Total Potential Creek Demand	Total Potential TMWA Resource Demand (including existing commitments)	Formula Reference	Total potential surplus / deficit
			af/yr	af/yr	af/yr		total af @ 1.12 af/yr/well	total af @ 1.12 af/yr/well	af/yr	af/yr	af/yr	af/yr	af/yr	af/yr	af/yr	af/yr		af/yr
			(d)	(e)	(f)		(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
Tracy Segment [1]																		
	Groundwater	6	5,000	5,000	0		144		144	144	4,856	3,561	3,706	3,706			[f1]	1,294
Warm Springs Valley																		
	Groundwater	8	3,000	3,000	0		497	793	1,290	1,290	1,710	0	1,290	1,290			[f1]	1,710
Spanish Springs Valley																		
	Groundwater	10	800	10,170	2,240	[C-1]	424	496	3,161	7,282	-2,361	5,701	12,983	3,613		9,370	[f1][f2]	-2,813
	TMWA Retail Supply	11	9,370		4,121	[C-1]			4,121		5,249							0
	TMWA Wholesale Supply	12																
Sun Valley																		
	Groundwater	14	25	5,202	0		84	41	125	3,857	-100	1,407	5,265	87		5,177	[f1][f2]	-62
	TMWA Retail Supply	15	5,177		3,732	[C-2]			3,732		1,445							0
	TMWA Wholesale Supply	16				[C-2]					0							
Truckee Meadows / Pleasant Valley																		
TMWA Resources (under TROA)	Truckee River / TM Groundwater Retail	18	95,187	112,727	76,036	[C-3]			76,036	88,551	17,428	13,076	101,627	94,927	6,700	0	[f3]	95,187
	Truckee River / TM Groundwater Wholesale	19			1,723	[C-4]			1,723									
Non-TMWA Resources	Groundwater - TM	20	10,840		5,921	[C-5]	1,726	398	8,044		48							-84,087
Non-TMWA Resources	Groundwater - PV	21			1,520	[C-6]	955	272	2,747									
Creek Resources		22																
	Thomas Creek	23	6,700		0				0									0
	Whites Creek	24			0				0		6,700							
	Galena Creek	25			0				0									
Total Creek Resources		26																
Washoe Valley																		
	Groundwater	28	9,300	9,300	100		1,856	388	2,343	2,343	6,957	1,488	3,831	3,831			[f1]	5,469
Truckee Canyon (Verdi)																		
	Groundwater	30	2,000	5,076	150		585	164	898	1,523	1,102	2,287	3,810	734		3,076	[f1][f2]	1,266
	TMWA Retail Supply	31	3,076		625	[C-7]			625		2,451							0
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	3,571	10,969	4,354		6,615	[f1][f2]	-2,586
	TMWA Imported Retail Supply	34	6,615		2,803	[C-9]			2,803		3,812							0
Antelope Valley																		
	Groundwater	36	150	150	0		144	202	346	346	-196	0	346	346			[f1]	-196
Bedell Flat																		
	Groundwater	38	300	300	0		44	113	157	157	143	0	157	157			[f1]	143
Dry Valley																		
	Groundwater	40	incomplete	incomplete	0		0		0	0	n/a	0	0	0			[f1]	N/A
Red Rock Valley																		
	Groundwater	42	N/A	N/A	0		312	456	768	768	n/a	0	768	768			[f1]	N/A
Cold Springs / Long Valley [2]																		
	Groundwater	44	incomplete	incomplete	1,556	[C-10]	245	82	1,883	1,883	n/a	1,119	3,002	3,002			[f1]	N/A
Totals for Resources and Demands/Commitments			**159,308**	**159,308**	**102,547**		**9,333**	**3,664**	**115,543**	**115,543**		**32,212**	**147,755**	**116,817**	**6,700**	**24,238**		**15,324**

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 mad
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 76, 2002 projected retail demand for Spanish Springs
6,361 af total estimated commitments in Spanish Springs

[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-3] TMWA commitments in Truckee Meadows hydrobasin:
TMWA Retail Commitments in Truckee Meadows hydrobasin estimated as follows:
89,660 af of total commitments
less 4,998 af wholesale commitments
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 retail commitments in LV (2803 af import and 620 af LV gw)
equals 76,036 af estimated retail commitments in Truckee Meadows hydrobasin

[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

[C-6] WC commitments for Mt. Rose, Arrowcreek, St. James Village, Timberline, and Sunrise water systems.
[C-7] 625 af estimated TMWA commitments in Truckee Canyon (Verdi) based on TMWA Resource Plan pg 82, 2002 projected retail demand for Verdi

[C-8] Lemmon Valley groundwater commitments: 1,400 af commitments for Washoe County, 620 af commitments for TMWA
[C-9] Total TMWA commitments in LV = : 3,423 - 620 af LV gw = 2,803 af
[C-10] Per Utilities Inc. as of June 2003

Formulas:
[f1] (o) = (n) - (p) - (q)
TMWA Resources assumed to make up remainder of demand

(s) = (d) - (o), (p), or (q) depending on which resource it is.
(m) is derived from the spreadsheet that calculates future demands for the hydrobasin, see Tables MF-5 thru MF 17
less the domestic well demands shown in column (m)
(n) = (k) + (m)