



APPENDIX B

Population, Employment and Development Forecasting

Table B-1

Rainbow MWD -- SANDAG Series 13 Report by Pressure Zone														
Region / Pressure Zone	year	population	household population	group quarters population	total housing units	single family housing units	multi-family housing units	home housing units	total households	single family households	multi-family households	mobile home households	employment	Persons Per Household
NORTH DISTRICT REGION (SDCWA Connections 1, 9, 10)														
NORTH														
	2012	962	962	0	326	319	0	7	326	319	0	7	0	2.95
	2020	1,011	1,011	0	350	343	0	7	350	343	0	7	1,048	2.89
	2035	1,074	1,074	0	364	357	0	7	364	352	0	7	1,261	2.99
	2050	1,080	1,080	0	361	354	0	7	354	348	0	6	1,466	3.05
	Δ	118	118	0	35	35	0	0	28	29	0	-1	418	0.10
	Δ (%)	12%	12%	--	11%	11%	--	0%	9%	9%	--	-14%	40%	3%
UITANK														
	2012	337	337	0	181	176	0	105	181	176	0	105	0	1.86
	2020	552	552	0	276	276	0	105	276	276	0	105	18	2.00
	2035	869	869	0	430	430	0	105	430	430	0	105	18	2.02
	2050	993	993	0	487	486	0	105	486	486	0	105	18	2.04
	Δ	656	656	0	306	306	0	0	305	305	0	0	0	0.18
	Δ (%)	195%	195%	--	169%	403%	--	0%	169%	401%	--	0%	0%	10%
VALLECITOS														
	2012	153	153	0	44	44	0	0	44	44	0	0	0	3.48
	2020	131	131	0	44	44	0	0	44	44	0	0	96	2.98
	2035	141	141	0	45	45	0	0	45	45	0	0	99	3.13
	2050	140	140	0	47	47	0	0	47	47	0	0	242	2.98
	Δ	-13	-13	0	3	3	0	0	3	3	0	0	146	-0.50
	Δ (%)	-8%	-8%	--	7%	7%	--	--	7%	7%	--	--	152%	-14%
RAINBOW HEIGHTS														
	2012	493	404	89	146	146	0	0	146	146	0	0	0	3.38
	2020	519	433	86	147	147	0	0	147	147	0	0	68	3.53
	2035	665	578	87	191	191	0	0	191	191	0	0	68	3.48
	2050	712	625	87	205	205	0	0	205	205	0	0	75	3.47
	Δ	219	221	-2	59	59	0	0	59	59	0	0	7	0.10
	Δ (%)	44%	55%	-2%	40%	40%	--	--	40%	40%	--	--	10%	3%
IMAGEE														
	2012	172	172	0	57	57	0	0	57	57	0	0	0	3.02
	2020	193	193	0	57	57	0	0	57	57	0	0	22	3.39
	2035	192	192	0	57	57	0	0	57	57	0	0	22	3.37
	2050	190	190	0	57	57	0	0	57	57	0	0	22	3.33
	Δ	18	18	0	0	0	0	0	0	0	0	0	0	0.32
	Δ (%)	10%	10%	--	0%	0%	--	--	0%	0%	--	--	0%	10%
GOMEZ CREEK														
	2012	262	262	0	105	105	0	0	105	105	0	0	0	2.50
	2020	324	324	0	114	114	0	0	114	114	0	0	25	2.84
	2035	419	419	0	141	141	0	0	141	141	0	0	25	2.97
	2050	451	451	0	151	151	0	0	151	151	0	0	26	2.99
	Δ	189	189	0	46	46	0	0	46	46	0	0	1	0.49
	Δ (%)	72%	72%	--	44%	44%	--	--	44%	44%	--	--	4%	20%
NORTHSIDE														
	2012	938	938	0	345	345	0	0	345	345	0	0	0	2.72
	2020	952	952	0	346	346	0	0	345	345	0	0	97	2.76
	2035	1,065	1,065	0	385	385	0	0	382	379	0	0	99	2.78
	2050	1,054	1,054	0	382	382	0	0	379	379	0	0	99	2.78
	Δ	116	116	0	38	38	0	0	34	34	0	0	2	0.06
	Δ (%)	12%	12%	--	11%	11%	--	--	10%	10%	--	--	2%	2%
SUBTOTAL - NORTH														
	2012	3,317	3,228	89	1,204	1,202	0	112	1,204	1,092	0	112	--	2.75
	2020	3,682	3,596	86	1,334	1,222	0	112	1,333	1,221	0	112	1,374	2.76
	2035	4,425	4,338	87	1,613	1,501	0	112	1,605	1,493	0	112	1,592	2.76
	2050	4,620	4,533	87	1,691	1,579	0	112	1,679	1,568	0	111	1,948	2.75
	Δ	1,303	1,305	-2	487	487	0	0	475	476	0	-1	574	0.00
	Δ (%)	39%	40%	-2%	40%	45%	--	0%	39%	44%	--	-1%	42%	0%

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Region / Pressure Zone	year	population	household population	group quarters population	total housing units	single family housing units	multi-family housing units	home housing units	total households	single family households	multi-family households	mobile home households	employment	Persons Per Household
CENTRAL DISTRICT REGION (SDCWA Connections 7, 8)														
CANONITA														
	2012	2,144	2,144	0	961	853	0	108	924	816	0	108	0	2.32
	2020	2,490	2,490	0	1,086	978	0	108	1,023	916	0	107	384	2.43
	2035	2,948	2,948	0	1,233	1,125	0	108	1,208	1,101	0	107	384	2.44
	2050	2,895	2,895	0	1,233	1,125	0	108	1,190	1,085	0	105	384	2.43
	Δ	751	751	0	272	272	0	0	266	269	0	-3	0	0.11
	Δ (%)	35%	35%	--	28%	32%	--	0%	29%	33%	--	-3%	0%	5%
	2012	4,927	4,918	9	2,011	1,771	10	230	1,945	1,706	9	230	0	2.53
	2020	6,781	6,777	4	2,682	2,442	10	230	2,573	2,336	9	229	650	2.64
	2035	7,634	7,624	10	3,020	2,780	10	228	2,892	2,652	9	228	1,311	2.64
	2050	7,749	7,736	13	3,074	2,834	10	230	2,943	2,710	9	224	1,820	2.63
	Δ	2,822	2,818	4	1,063	1,063	0	0	998	1,004	0	-6	1,170	0.10
	Δ (%)	57%	57%	44%	53%	60%	0%	0%	51%	59%	0%	-3%	180%	4%
SUBTOTAL - CENTRAL														
	2012	7,071	7,062	9	2,972	2,624	10	338	2,869	2,522	9	338	--	2.46
	2020	9,271	9,267	4	3,768	3,420	10	338	3,596	3,252	9	336	1,034	2.58
	2035	10,582	10,572	10	4,253	3,905	10	338	4,100	3,756	9	335	1,695	2.58
	2050	10,644	10,631	13	4,307	3,959	10	338	4,133	3,795	9	329	2,204	2.58
	Δ	3,573	3,569	4	1,335	1,335	0	0	1,264	1,273	0	-9	1,170	0.11
	Δ (%)	51%	51%	44%	45%	51%	0%	0%	44%	50%	0%	-3%	113%	4%
SOUTH DISTRICT REGION (SDCWA Connections 3, 6, 11)														
SOUTH														
	2012	2,769	2,769	0	1,228	1,062	0	166	1,139	973	0	166	0	2.43
	2020	3,006	3,006	0	1,265	1,099	0	166	1,172	1,006	0	166	975	2.56
	2035	3,395	3,395	0	1,399	1,233	0	166	1,309	1,139	0	166	1,064	2.60
	2050	3,440	3,440	0	1,423	1,257	0	166	1,319	1,154	0	165	1,239	2.61
	Δ	671	671	0	195	195	0	0	180	181	0	-1	264	0.18
	Δ (%)	24%	24%	--	16%	18%	--	0%	16%	19%	--	-1%	27%	7%
	2012	5,967	5,868	99	2,348	2,028	320	0	2,235	1,917	318	0	0	2.67
	2020	6,939	6,851	88	2,678	2,358	320	0	2,565	2,245	320	0	1,655	2.71
	2035	8,917	8,807	110	3,396	3,076	320	0	3,284	2,964	320	0	1,661	2.72
	2050	8,978	8,853	125	3,444	3,124	320	0	3,309	2,989	320	0	1,849	2.71
	Δ	3,011	2,985	26	1,096	1,096	0	0	1,074	1,072	2	0	194	0.04
	Δ (%)	50%	51%	26%	47%	54%	0%	--	48%	56%	1%	--	12%	2%
	2012	869	869	0	362	362	0	0	343	343	0	0	0	2.53
	2020	891	891	0	369	369	0	0	350	350	0	0	67	2.55
	2035	900	900	0	371	371	0	0	355	355	0	0	67	2.54
	2050	888	888	0	368	368	0	0	348	348	0	0	67	2.55
	Δ	19	19	0	6	6	0	0	5	5	0	0	0	0.02
	Δ (%)	2%	2%	--	2%	2%	--	--	1%	1%	--	--	0%	1%
SUBTOTAL - SOUTH														
	2012	9,605	9,506	99	3,938	3,452	320	166	3,717	3,233	318	166	--	2.58
	2020	10,836	10,748	88	4,312	3,826	320	166	4,087	3,601	320	166	2,697	2.65
	2035	13,212	13,102	110	5,166	4,680	320	166	4,944	4,458	320	166	2,792	2.67
	2050	13,306	13,181	125	5,235	4,749	320	166	4,976	4,491	320	165	3,155	2.67
	Δ	3,701	3,675	26	1,297	1,297	0	0	1,259	1,258	2	-1	458	0.09
	Δ (%)	39%	39%	26%	33%	38%	0%	0%	34%	39%	1%	-1%	17%	3%
TOTAL DISTRICT														
	2012	19,993	19,796	197	8,114	7,168	330	616	7,990	6,847	327	616	--	2.57
	2020	23,789	23,611	178	9,414	8,468	330	616	9,016	8,074	329	614	5,105	2.64
	2035	28,219	28,012	207	11,032	10,086	330	613	10,649	9,707	329	613	6,079	2.65
	2050	28,570	28,345	225	11,233	10,287	330	616	10,788	9,854	329	605	7,307	2.65
	Δ	8,577	8,549	28	3,119	3,119	0	0	2,998	3,007	2	-11	2,202	0.08
	Δ (%)	43%	43%	14%	38%	44%	0%	0%	38%	44%	1%	-2%	43%	3%

Notes:

- 1) Custom data sort provided by SANDAG 2/3/16, per boundary shape files provided by Atkins
- 2) Total employment data for 2012 not provided by SANDAG. Delta values for employment are relative to 2020

Table B-2

Rainbow MWD -- SANDAG Series 13 Report -- Summary by Service Region										
Region / Pressure Zone	year	population	household population	group quarters population	total housing units	single family housing units	multi-family housing units	home housing units	employment	Persons Per Household
NORTH DISTRICT REGION (SDCWA Connections 1, 9, 10)										
(North, Northside, U1, Vallecitos, Rainbow Heights,	2012	3,317	3,228	89	1,204	1,092	0	112	--	2.75
	2020	3,682	3,596	86	1,334	1,222	0	112	1,374	2.76
	2035	4,425	4,338	87	1,613	1,501	0	112	1,592	2.74
	2050	4,620	4,533	87	1,691	1,579	0	112	1,948	2.73
	Δ	1,303	1,305	-2	487	487	0	0	574	-0.02
	Δ (%)	39%	40%	-2%	40%	45%	--	0%	42%	-1%
CENTRAL DISTRICT REGION (SDCWA Connections 7, 8)										
(Canonita, Pala Mesa)	2012	7,071	7,062	9	2,972	2,624	10	338	--	2.38
	2020	9,271	9,267	4	3,768	3,420	10	338	1,034	2.46
	2035	10,582	10,572	10	4,253	3,905	10	338	1,695	2.49
	2050	10,644	10,631	13	4,307	3,959	10	338	2,204	2.47
	Δ	3,573	3,569	4	1,335	1,335	0	0	1,170	0.09
	Δ (%)	51%	51%	44%	45%	51%	0%	0%	113%	4%
SOUTH DISTRICT REGION (SDCWA Connections 3, 6, 11)										
(Gopher Canyon, Morro, Morro Tank)	2012	7,071	7,062	9	2,972	2,624	10	338	--	2.38
	2020	9,271	9,267	4	3,768	3,420	10	338	1,034	2.46
	2035	10,582	10,572	10	4,253	3,905	10	338	1,695	2.49
	2050	10,644	10,631	13	4,307	3,959	10	338	2,204	2.47
	Δ	3,573	3,569	4	1,335	1,335	0	0	1,170	0.09
	Δ (%)	51%	51%	44%	45%	51%	0%	0%	113%	4%
TOTAL DISTRICT										
	2012	19,993	19,796	197	8,114	7,168	330	616	--	2.46
	2020	23,789	23,611	178	9,414	8,468	330	616	5,105	2.53
	2035	28,219	28,012	207	11,032	10,086	330	616	6,079	2.56
	2050	28,570	28,345	225	11,233	10,287	330	616	7,307	2.54
	Δ	8,577	8,549	28	3,119	3,119	0	0	2,202	0.08
	Δ (%)	43%	43%	14%	38%	44%	0%	0%	43%	3%

Notes:

- 1) Custom data sort provided by SANDAG 2/3/16, per boundary shape files provided by District
- 2) Total employment data for 2012 not provided by SANDAG. Delta values for employment are relative to 2020.

Table B-3
Rainbow MWD Projected Development

Proposed Development	Units/ Acres	SFR Units	MFR Units	Acreage	Development Type	Pressure Zone
Upstream of District Office						
Horse Creek Ridge	751	751		381	Single Family (hi-med dense)	Pala Mesa
Horse Creek Ridge Business Center	100			104	Commercial	Pala Mesa
Campus Park West	538		283		Mixed	Pala Mesa
Pala Mesa Highlands (Beazer)	130	130		85	Single Family (rural)	Pala Mesa
Palomar College	100			83.30	Commercial	Pala Mesa
Dulan	51	51			Single Family (rural)	Pala Mesa
Pasarelle					Single Family (rural)	Canonita
Possible Annexations (all upstream of Office)						
Meadowood (Via VCMWD Service Agreement)	850	355	489	372	Various (potable component)	North
Warner Ranch						
-- SFR	534	534		210	Single Family (rural)	North
-- MFR	246		246		Multi-Family	North
Subtotal -- In District	1,670	932	283			
Subtotal -- Possible Annexations	1,630	889	735			
Subtotal -- All	3,300	1,821	1,018			
Downstream of Office, Upstream of LS#1						
Vessels	400	392		1,385	Single Family (rural)	South
Golf Green Estates	94	94		27	Single Family (hi-med dense)	Morro
Leatherbury	85	85		178	Single Family (rural)	Pala Mesa
Bonsall Condos	76	76			Single Family (hi-med dense)	South
Olive Hill Estates	37	37		45	Single Family (rural)	Morro
Lake Vista Estates	15	15			Single Family (rural)	Morro
Malabar Ranch	14	14			Single Family (rural)	Morro
Silver Holdings	9			4.35	Commercial	Morro
Subtotal	730	713	0			
Downstream of LS#1, Upstream of LS#2						
Polo Club	156	156		442	Single Family (rural)	Morro
Morris Ranch	89	89		210	Single Family (rural)	South
Hidden Hills	53	53			Single Family (rural)	South
Vista Valley Country Club	5			8.75	Commercial	South
Subtotal	303	298	0			
Totals -- In District	2,703	1,943	283			
Totals -- Possible Annexations & Agreements	1,630	889	735			
Totals -- All	4,333	2,832	1,018			