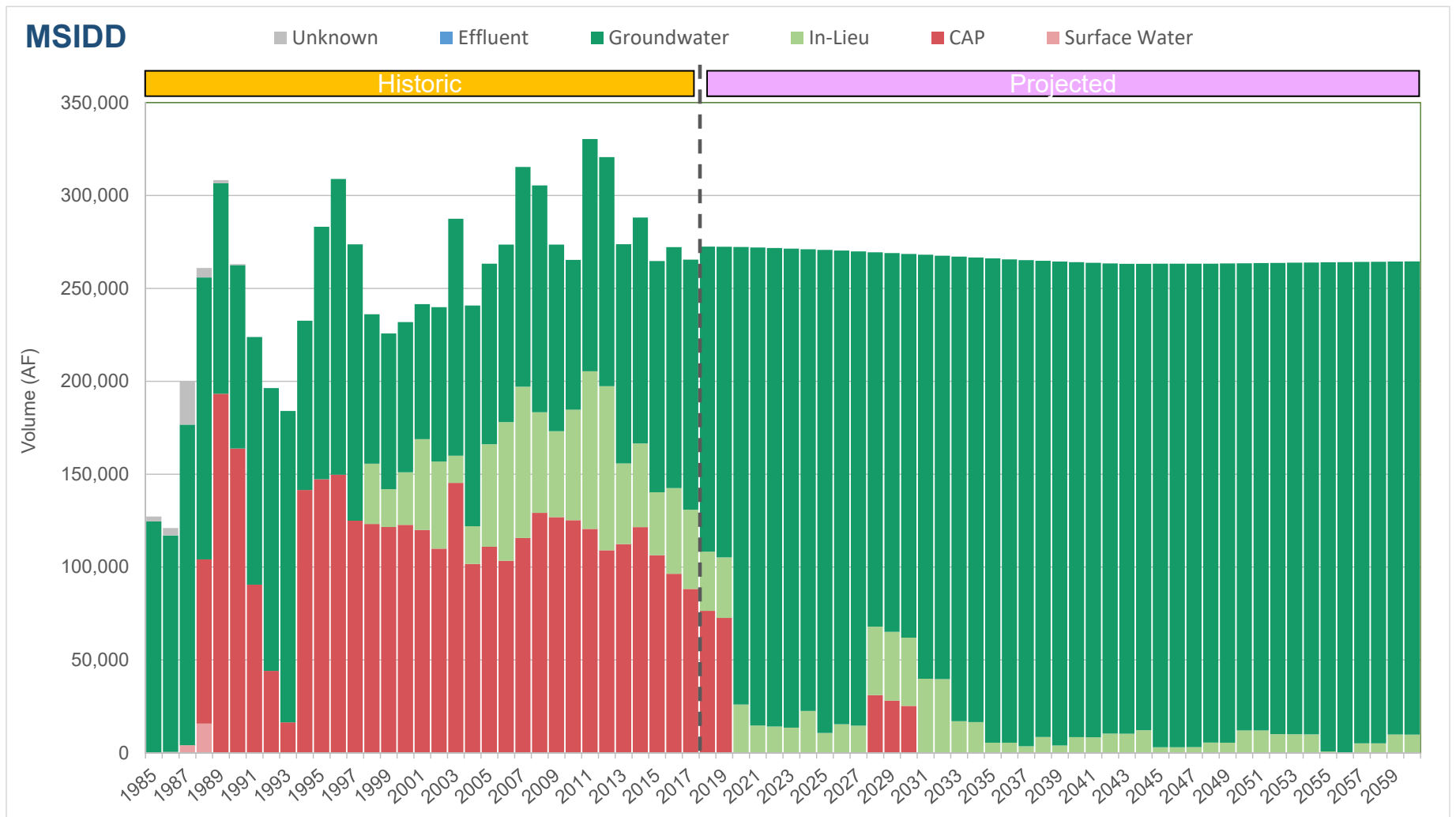


MSIDD

## Central Arizona Project Service Area Model

### A. Highest Demand [EMSBS]

*High growth rate, spillover (suburban) growth pattern, hotter and drier climate, unlimited Ag pumping capacity*



## MSIDD

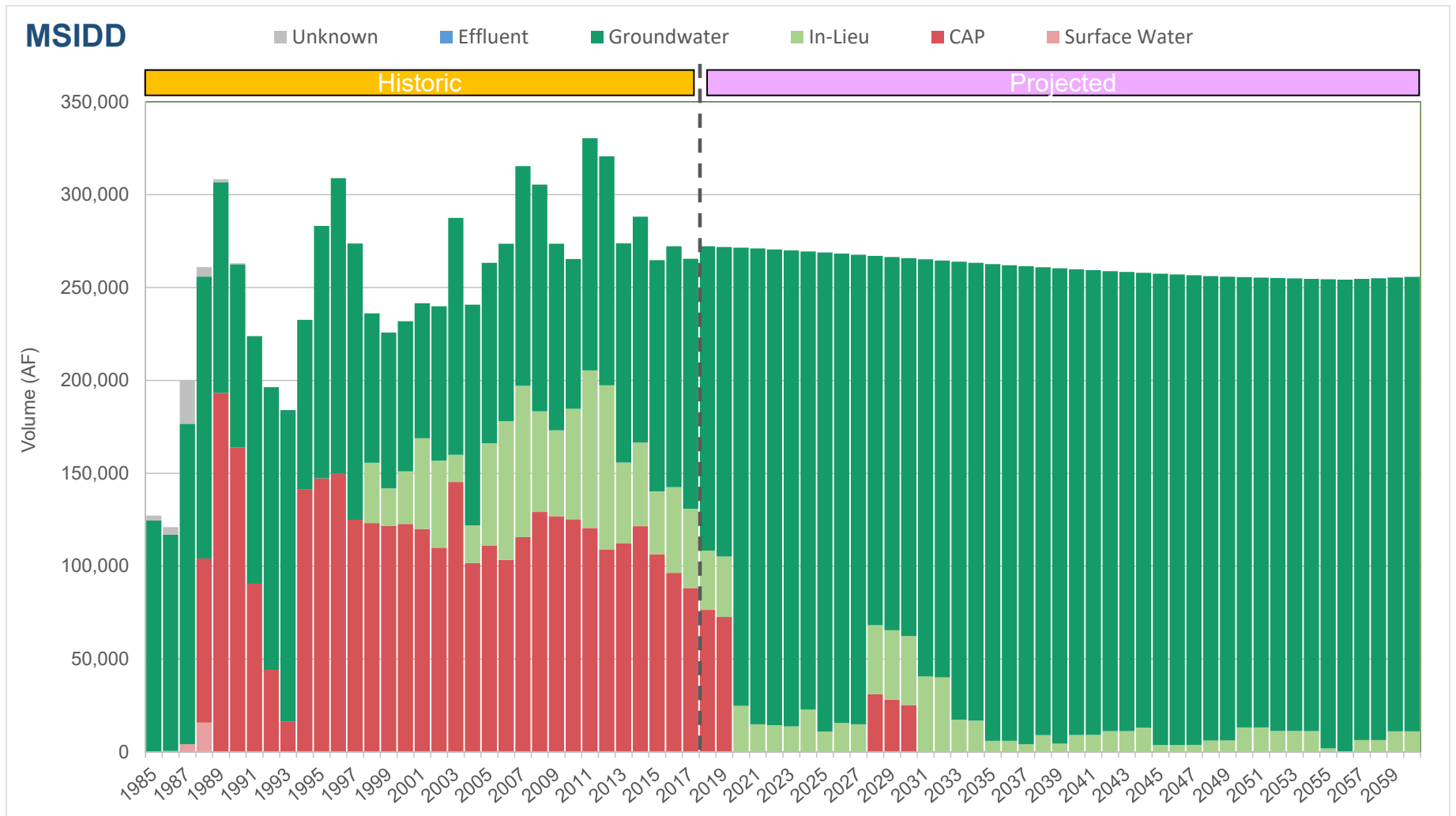
Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,841	164,170	0
2019	0	0	72,640	32,587	167,149	0
2020	0	0	0	26,013	246,246	0
2021	0	0	0	14,737	257,262	0
2022	0	0	0	14,198	257,482	0
2023	0	0	0	13,557	257,796	0
2024	0	0	0	22,543	248,474	0
2025	0	0	0	10,718	259,971	0
2026	0	0	0	15,368	254,966	0
2027	0	0	0	14,646	255,234	0
2028	0	0	31,015	36,884	201,515	0
2029	0	0	28,136	36,973	203,862	0
2030	0	0	25,264	36,760	206,491	0
2031	0	0	0	39,871	228,189	0
2032	0	0	0	39,680	227,884	0
2033	0	0	0	17,008	250,083	0
2034	0	0	0	16,521	250,077	0
2035	0	0	0	5,471	260,636	0
2036	0	0	0	5,456	260,136	0
2037	0	0	0	3,569	261,567	0
2038	0	0	0	8,542	256,252	0
2039	0	0	0	3,964	260,482	0
2040	0	0	0	8,466	255,609	0
2041	0	0	0	8,404	255,349	0
2042	0	0	0	10,360	253,042	0
2043	0	0	0	10,298	252,925	0
2044	0	0	0	12,211	250,992	0
2045	0	0	0	3,028	260,215	0
2046	0	0	0	3,041	260,213	0
2047	0	0	0	3,053	260,209	0
2048	0	0	0	5,499	257,739	0
2049	0	0	0	5,478	257,886	0
2050	0	0	0	12,060	251,408	0
2051	0	0	0	12,043	251,530	0
2052	0	0	0	10,060	253,580	0
2053	0	0	0	10,039	253,744	0
2054	0	0	0	9,934	253,952	0
2055	0	0	0	789	263,198	0
2056	0	0	0	0	264,050	0
2057	0	0	0	5,118	259,075	0
2058	0	0	0	5,101	259,196	0
2059	0	0	0	9,848	254,550	0
2060	0	0	0	9,837	254,613	0

MSIDD

## Central Arizona Project Service Area Model

### B. Having it All [EMSBS]

*Medium growth rate, local growth pattern, hotter and drier climate, unlimited Ag pumping capacity*



## MSIDD

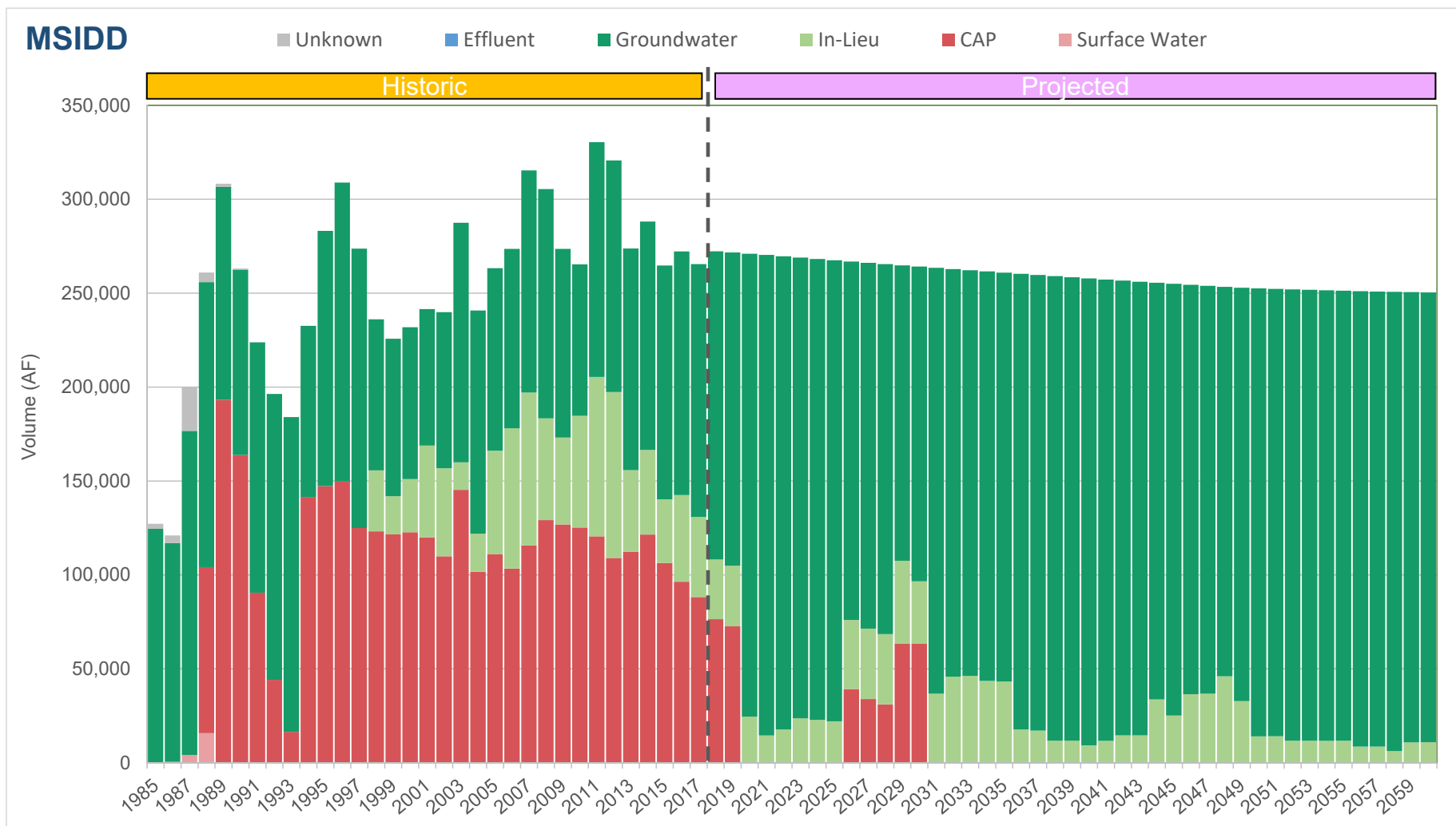
Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,860	163,863	0
2019	0	0	72,640	32,482	166,672	0
2020	0	0	0	24,774	246,620	0
2021	0	0	0	14,824	256,169	0
2022	0	0	0	14,346	256,131	0
2023	0	0	0	13,718	256,223	0
2024	0	0	0	22,759	246,638	0
2025	0	0	0	10,892	257,974	0
2026	0	0	0	15,523	252,731	0
2027	0	0	0	14,840	252,796	0
2028	0	0	31,015	37,168	198,828	0
2029	0	0	28,116	37,340	200,956	0
2030	0	0	25,195	37,166	203,446	0
2031	0	0	0	40,592	224,583	0
2032	0	0	0	40,076	224,430	0
2033	0	0	0	17,286	246,591	0
2034	0	0	0	16,839	246,396	0
2035	0	0	0	5,923	256,676	0
2036	0	0	0	5,943	256,005	0
2037	0	0	0	4,078	257,338	0
2038	0	0	0	8,973	251,911	0
2039	0	0	0	4,469	255,887	0
2040	0	0	0	9,069	250,739	0
2041	0	0	0	9,112	250,203	0
2042	0	0	0	11,173	247,627	0
2043	0	0	0	11,164	247,171	0
2044	0	0	0	13,110	244,744	0
2045	0	0	0	3,664	253,772	0
2046	0	0	0	3,698	253,295	0
2047	0	0	0	3,731	252,824	0
2048	0	0	0	6,080	250,012	0
2049	0	0	0	6,136	249,642	0
2050	0	0	0	13,160	242,387	0
2051	0	0	0	13,176	242,143	0
2052	0	0	0	11,227	243,832	0
2053	0	0	0	11,238	243,633	0
2054	0	0	0	11,167	243,482	0
2055	0	0	0	1,827	252,602	0
2056	0	0	0	0	254,208	0
2057	0	0	0	6,368	248,246	0
2058	0	0	0	6,320	248,662	0
2059	0	0	0	11,052	244,297	0
2060	0	0	0	11,008	244,665	0

MSIDD

## Central Arizona Project Service Area Model

### C. Medium, Strong Ag [EMSBS]

Medium growth rate, official growth pattern, hot and dry climate, unlimited Ag pumping capacity. Pairwise comparison to Scenario D.



## MSIDD

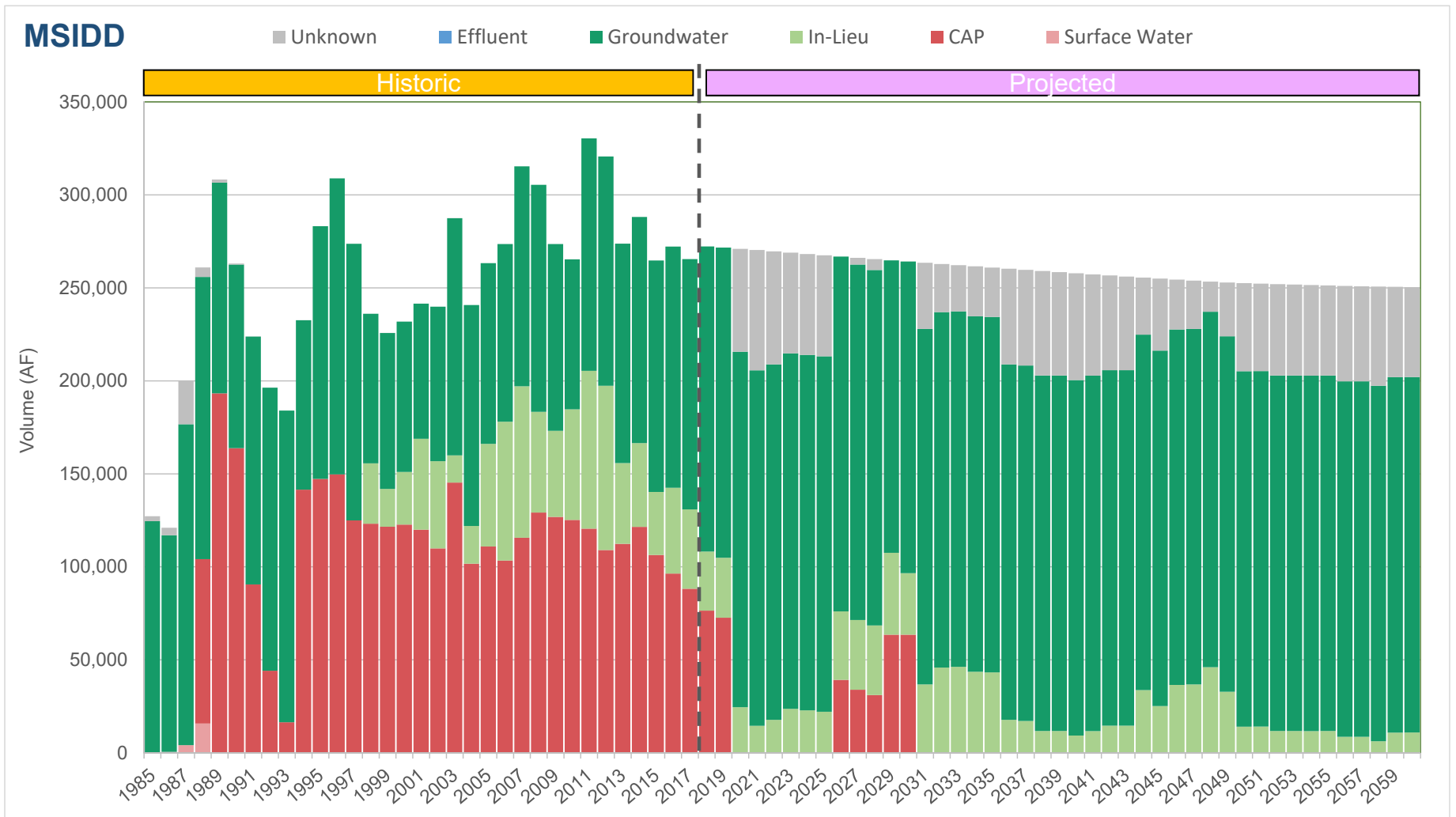
Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,756	164,011	0
2019	0	0	72,641	32,201	166,764	0
2020	0	0	0	24,537	246,426	0
2021	0	0	0	14,478	255,827	0
2022	0	0	0	17,725	251,877	0
2023	0	0	0	23,639	245,242	0
2024	0	0	0	22,823	245,333	0
2025	0	0	0	22,054	245,399	0
2026	0	0	39,204	36,822	190,753	0
2027	0	0	33,921	37,441	194,747	0
2028	0	0	31,016	37,423	196,994	0
2029	0	0	63,502	44,039	157,237	0
2030	0	0	63,502	33,054	167,560	0
2031	0	0	0	36,741	226,722	0
2032	0	0	0	45,775	217,028	0
2033	0	0	0	46,211	215,956	0
2034	0	0	0	43,559	217,967	0
2035	0	0	0	43,235	217,657	0
2036	0	0	0	17,726	242,523	0
2037	0	0	0	17,105	242,540	0
2038	0	0	0	11,700	247,332	0
2039	0	0	0	11,685	246,741	0
2040	0	0	0	9,245	248,565	0
2041	0	0	0	11,654	245,580	0
2042	0	0	0	14,584	242,061	0
2043	0	0	0	14,558	241,514	0
2044	0	0	0	33,664	221,834	0
2045	0	0	0	25,144	229,821	0
2046	0	0	0	36,472	217,947	0
2047	0	0	0	36,735	217,146	0
2048	0	0	0	45,990	207,340	0
2049	0	0	0	32,826	220,000	0
2050	0	0	0	14,044	238,440	0
2051	0	0	0	14,066	238,169	0
2052	0	0	0	11,728	240,238	0
2053	0	0	0	11,747	239,998	0
2054	0	0	0	11,663	239,842	0
2055	0	0	0	11,686	239,579	0
2056	0	0	0	8,586	242,416	0
2057	0	0	0	8,599	242,196	0
2058	0	0	0	6,186	244,465	0
2059	0	0	0	10,855	239,656	0
2060	0	0	0	10,875	239,469	0

MSIDD

## Central Arizona Project Service Area Model

### D. Medium, Reduced Ag [EMSBS]

Medium growth rate, official growth pattern, hot and dry climate, Ag pumping capacity equal to 1.5x the max gw use from 2003 to 2013. Pairwise comparison to Scenario C.



## MSIDD

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,756	164,011	0
2019	0	0	72,641	32,201	166,764	0
2020	0	0	0	24,537	191,126	55,300
2021	0	0	0	14,478	191,126	64,702
2022	0	0	0	17,725	191,126	60,752
2023	0	0	0	23,639	191,126	54,117
2024	0	0	0	22,823	191,126	54,207
2025	0	0	0	22,054	191,126	54,274
2026	0	0	39,204	36,822	190,753	0
2027	0	0	33,921	37,441	191,126	3,622
2028	0	0	31,016	37,423	191,126	5,869
2029	0	0	63,502	44,039	157,237	0
2030	0	0	63,502	33,054	167,560	0
2031	0	0	0	36,741	191,126	35,597
2032	0	0	0	45,775	191,126	25,902
2033	0	0	0	46,211	191,126	24,830
2034	0	0	0	43,559	191,126	26,841
2035	0	0	0	43,235	191,126	26,531
2036	0	0	0	17,726	191,126	51,397
2037	0	0	0	17,105	191,126	51,414
2038	0	0	0	11,700	191,126	56,207
2039	0	0	0	11,685	191,126	55,615
2040	0	0	0	9,245	191,126	57,439
2041	0	0	0	11,654	191,126	54,454
2042	0	0	0	14,584	191,126	50,936
2043	0	0	0	14,558	191,126	50,388
2044	0	0	0	33,664	191,126	30,708
2045	0	0	0	25,144	191,126	38,696
2046	0	0	0	36,472	191,126	26,822
2047	0	0	0	36,735	191,126	26,021
2048	0	0	0	45,990	191,126	16,214
2049	0	0	0	32,826	191,126	28,874
2050	0	0	0	14,044	191,126	47,315
2051	0	0	0	14,066	191,126	47,043
2052	0	0	0	11,728	191,126	49,112
2053	0	0	0	11,747	191,126	48,873
2054	0	0	0	11,663	191,126	48,716
2055	0	0	0	11,686	191,126	48,454
2056	0	0	0	8,586	191,126	51,291
2057	0	0	0	8,599	191,126	51,070
2058	0	0	0	6,186	191,126	53,339
2059	0	0	0	10,855	191,126	48,531
2060	0	0	0	10,875	191,126	48,344

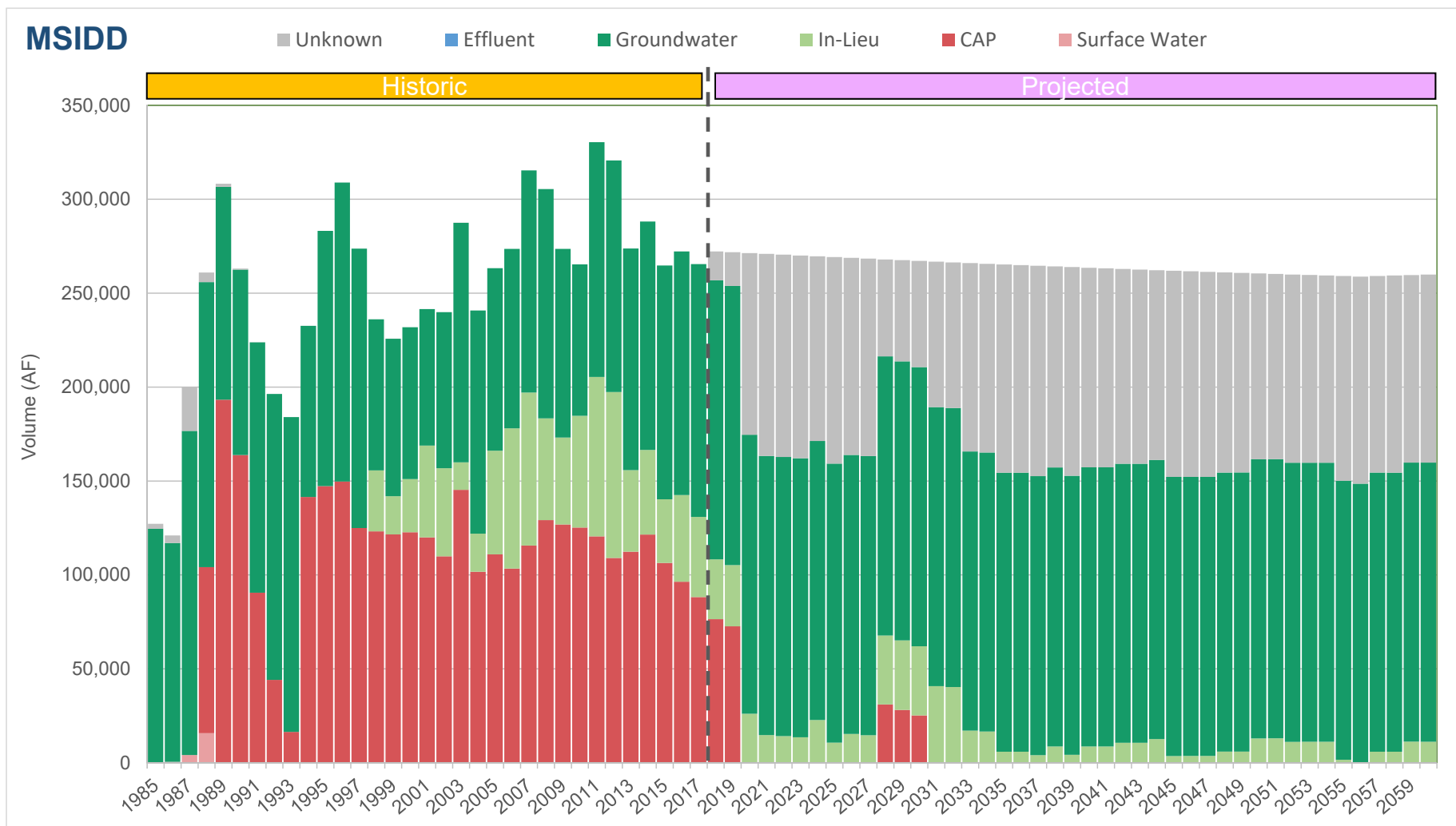


MSIDD

## Central Arizona Project Service Area Model

### E. Lowest Demand, Hot [EMSBS]

Slow growth rate, dense urbanization growth pattern, hotter and drier climate, Ag pumping capacity equal to the max gw use from 2003 to 2013 plus additional DCP pumping capacity. Pairwise comparison to Scenario F.



## MSIDD

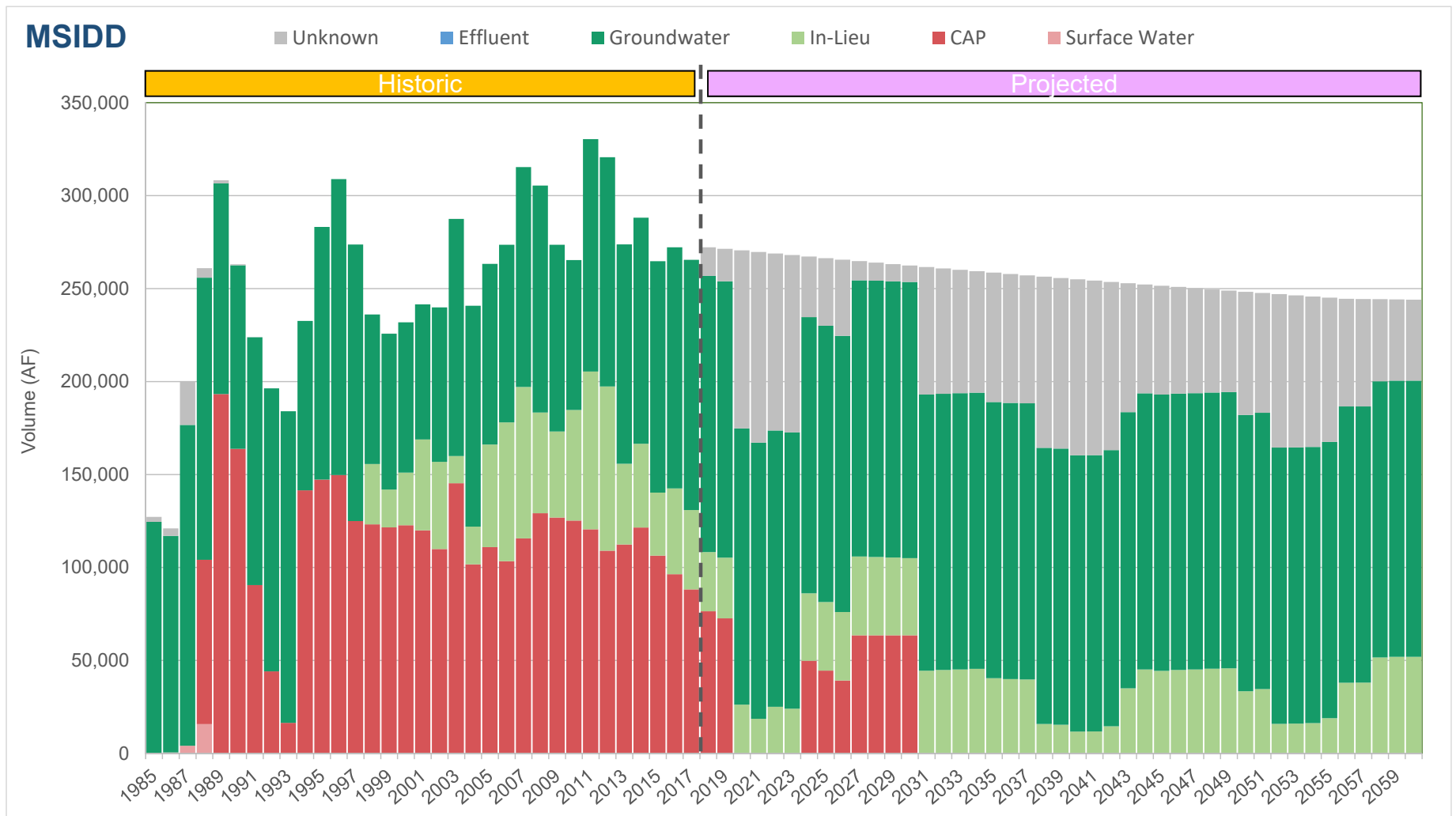
Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,802	148,557	15,339
2019	0	0	72,642	32,567	148,557	17,972
2020	0	0	0	26,073	148,557	96,688
2021	0	0	0	14,738	148,557	107,605
2022	0	0	0	14,182	148,557	107,728
2023	0	0	0	13,523	148,557	107,944
2024	0	0	0	22,738	148,557	98,287
2025	0	0	0	10,679	148,557	109,926
2026	0	0	0	15,324	148,557	104,861
2027	0	0	0	14,658	148,557	105,111
2028	0	0	31,017	36,716	148,557	51,617
2029	0	0	28,118	36,979	148,557	53,863
2030	0	0	25,194	36,836	148,557	56,533
2031	0	0	0	40,766	148,557	77,408
2032	0	0	0	40,290	148,557	77,487
2033	0	0	0	17,123	148,557	100,295
2034	0	0	0	16,589	148,557	100,456
2035	0	0	0	5,859	148,557	110,821
2036	0	0	0	5,870	148,557	110,432
2037	0	0	0	4,015	148,557	111,955
2038	0	0	0	8,650	148,557	106,971
2039	0	0	0	4,228	148,557	111,052
2040	0	0	0	8,672	148,557	106,249
2041	0	0	0	8,672	148,557	105,942
2042	0	0	0	10,630	148,557	103,660
2043	0	0	0	10,626	148,557	103,346
2044	0	0	0	12,619	148,557	101,014
2045	0	0	0	3,581	148,557	109,772
2046	0	0	0	3,593	148,557	109,458
2047	0	0	0	3,605	148,557	109,148
2048	0	0	0	5,933	148,557	106,495
2049	0	0	0	5,962	148,557	106,210
2050	0	0	0	12,967	148,557	98,920
2051	0	0	0	13,029	148,557	98,579
2052	0	0	0	11,124	148,557	100,173
2053	0	0	0	11,178	148,557	99,886
2054	0	0	0	11,148	148,557	99,651
2055	0	0	0	1,581	148,557	108,955
2056	0	0	0	0	148,557	110,238
2057	0	0	0	5,888	148,557	104,645
2058	0	0	0	5,853	148,557	104,938
2059	0	0	0	11,233	148,557	99,819
2060	0	0	0	11,196	148,557	100,077

MSIDD

## Central Arizona Project Service Area Model

### F. Lowest Demand, Historic [EMSBS]

Slow growth rate, dense urbanization growth pattern, historic climate, Ag pumping capacity equal to the max gw use from 2003 to 2013 plus additional DCP pumping capacity. Pairwise comparison to Scenario E.



## MSIDD

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	76,453	31,802	148,557	15,339
2019	0	0	72,642	32,648	148,557	17,484
2020	0	0	0	26,211	148,557	95,739
2021	0	0	0	18,574	148,557	102,552
2022	0	0	0	25,065	148,557	95,227
2023	0	0	0	24,059	148,557	95,391
2024	0	0	49,796	36,254	148,557	32,566
2025	0	0	44,502	36,899	148,557	36,393
2026	0	0	39,205	36,782	148,557	40,993
2027	0	0	63,502	42,353	148,557	10,317
2028	0	0	63,502	42,128	148,557	9,743
2029	0	0	63,502	41,818	148,557	9,263
2030	0	0	63,502	41,496	148,557	8,800
2031	0	0	0	44,449	148,557	68,575
2032	0	0	0	44,837	148,557	67,420
2033	0	0	0	45,135	148,557	66,365
2034	0	0	0	45,430	148,557	65,317
2035	0	0	0	40,435	148,557	69,567
2036	0	0	0	39,955	148,557	69,311
2037	0	0	0	39,743	148,557	68,795
2038	0	0	0	15,765	148,557	92,049
2039	0	0	0	15,359	148,557	91,741
2040	0	0	0	11,731	148,557	94,661
2041	0	0	0	11,814	148,557	93,876
2042	0	0	0	14,543	148,557	90,454
2043	0	0	0	34,976	148,557	69,335
2044	0	0	0	45,105	148,557	58,527
2045	0	0	0	44,400	148,557	58,558
2046	0	0	0	44,864	148,557	57,428
2047	0	0	0	45,141	148,557	56,489
2048	0	0	0	45,507	148,557	55,468
2049	0	0	0	45,746	148,557	54,580
2050	0	0	0	33,443	148,557	66,239
2051	0	0	0	34,590	148,557	64,454
2052	0	0	0	15,882	148,557	82,531
2053	0	0	0	15,989	148,557	81,797
2054	0	0	0	16,259	148,557	80,907
2055	0	0	0	18,953	148,557	77,597
2056	0	0	0	38,002	148,557	57,937
2057	0	0	0	38,024	148,557	57,788
2058	0	0	0	51,556	148,557	44,133
2059	0	0	0	51,920	148,557	43,648
2060	0	0	0	51,922	148,557	43,530