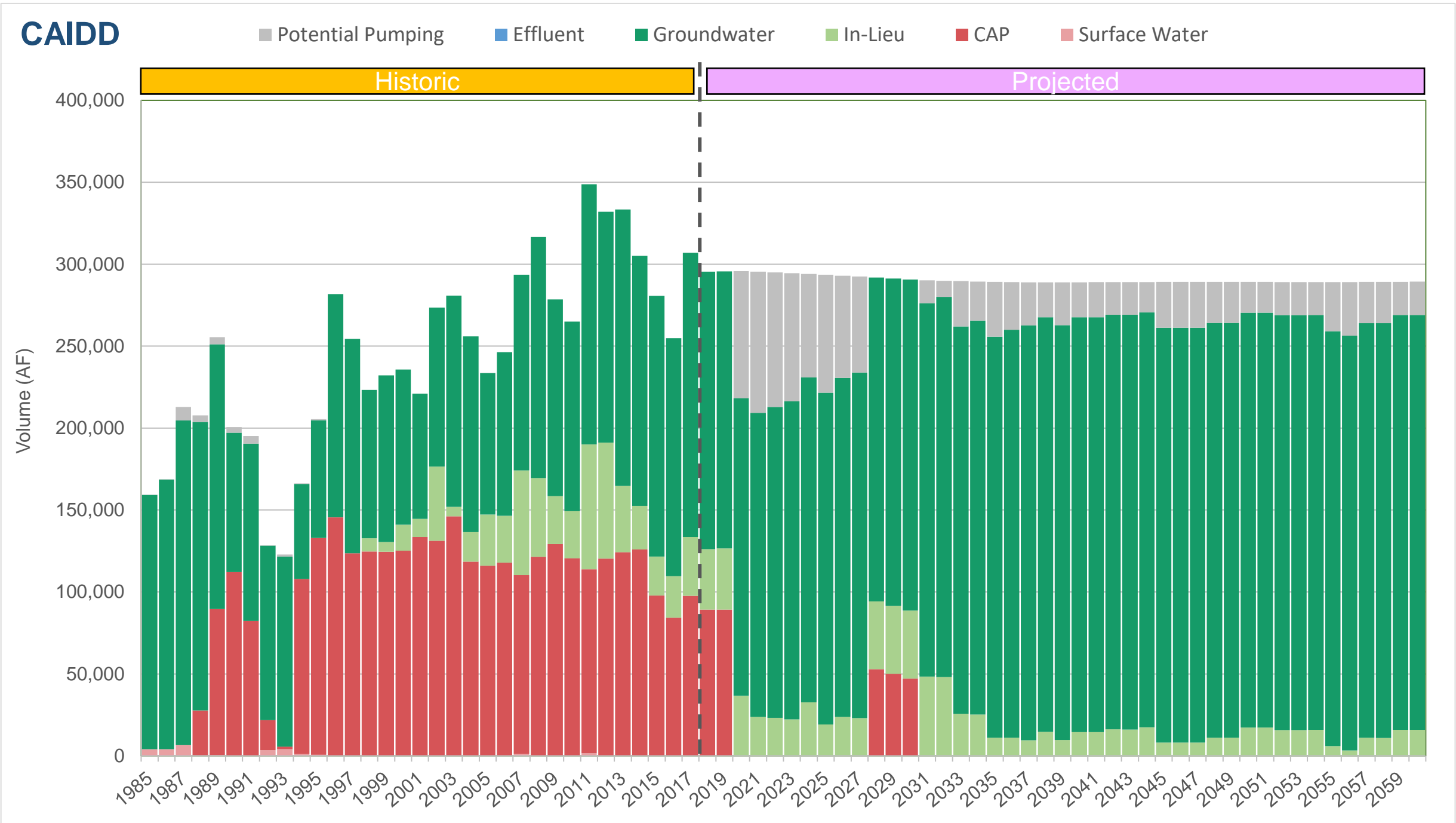


# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



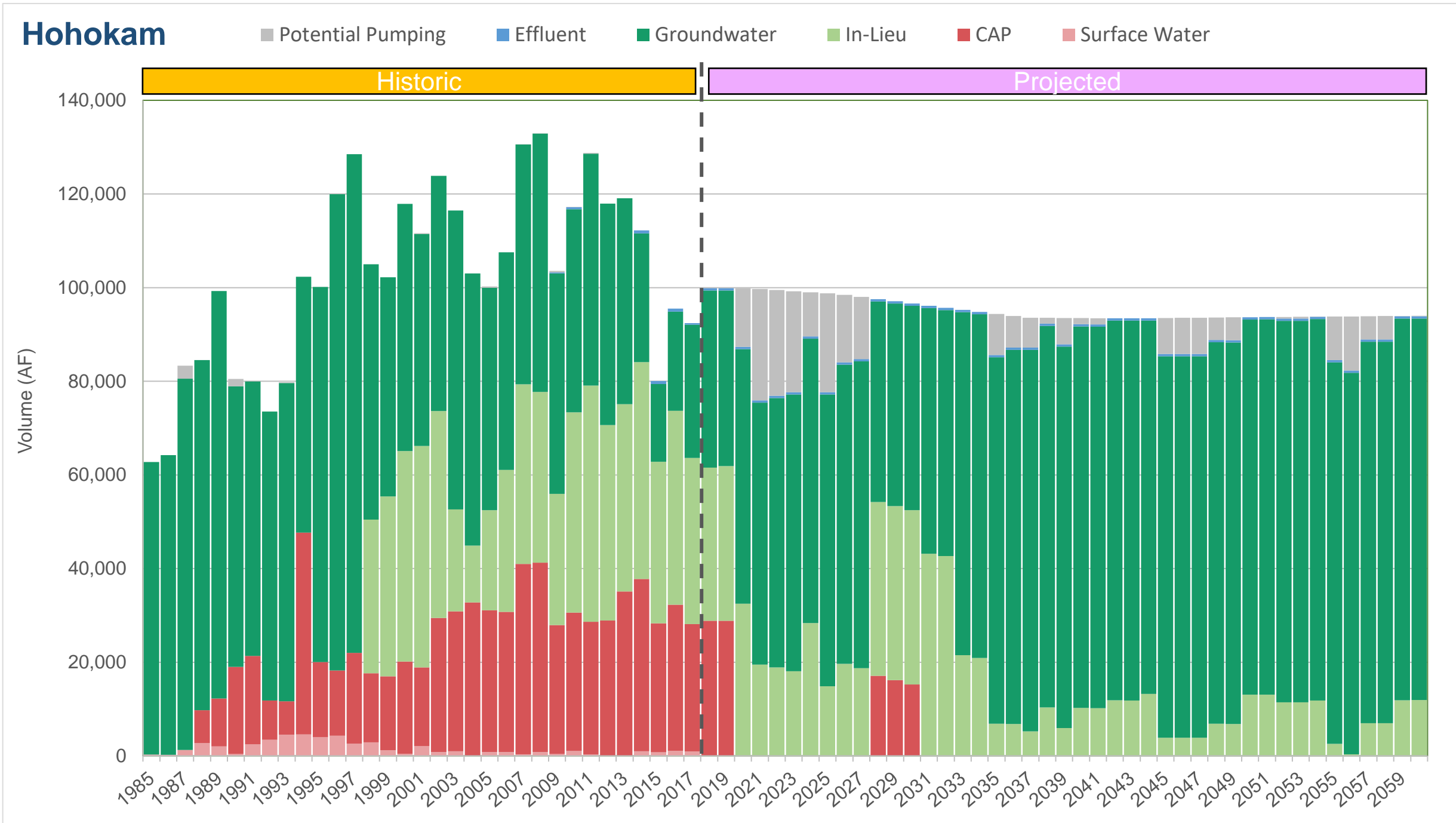
## CAIDD

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	89,222	36,959	169,337	0
2019	0	0	89,223	37,305	169,101	0
2020	0	0	0	36,758	181,406	77,567
2021	0	0	0	23,735	185,625	86,058
2022	0	0	0	23,113	189,844	81,997
2023	0	0	0	22,291	194,063	78,126
2024	0	0	0	32,602	198,281	63,111
2025	0	0	0	19,080	202,500	71,938
2026	0	0	0	23,870	206,719	62,427
2027	0	0	0	22,964	210,938	58,533
2028	0	0	52,928	41,361	197,552	0
2029	0	0	50,013	41,437	199,823	0
2030	0	0	47,131	41,456	202,102	0
2031	0	0	0	48,324	227,813	13,966
2032	0	0	0	48,072	232,031	9,686
2033	0	0	0	25,731	236,250	27,644
2034	0	0	0	25,135	240,469	23,837
2035	0	0	0	11,078	244,688	33,492
2036	0	0	0	11,066	248,906	29,083
2037	0	0	0	9,447	253,125	26,349
2038	0	0	0	14,565	253,125	21,262
2039	0	0	0	9,657	253,125	26,200
2040	0	0	0	14,488	253,125	21,374
2041	0	0	0	14,426	253,125	21,494
2042	0	0	0	16,103	253,125	19,846
2043	0	0	0	16,043	253,125	19,936
2044	0	0	0	17,461	253,125	18,517
2045	0	0	0	8,091	253,125	27,950
2046	0	0	0	8,104	253,125	27,967
2047	0	0	0	8,116	253,125	27,984
2048	0	0	0	11,093	253,125	25,001
2049	0	0	0	11,072	253,125	25,031
2050	0	0	0	17,307	253,125	18,757
2051	0	0	0	17,290	253,125	18,736
2052	0	0	0	15,693	253,125	20,252
2053	0	0	0	15,671	253,125	20,309
2054	0	0	0	15,841	253,125	20,137
2055	0	0	0	5,878	253,125	30,096
2056	0	0	0	3,304	253,125	32,621
2057	0	0	0	10,973	253,125	25,068
2058	0	0	0	10,956	253,125	25,153
2059	0	0	0	15,898	253,125	20,282
2060	0	0	0	15,942	253,125	20,243

# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



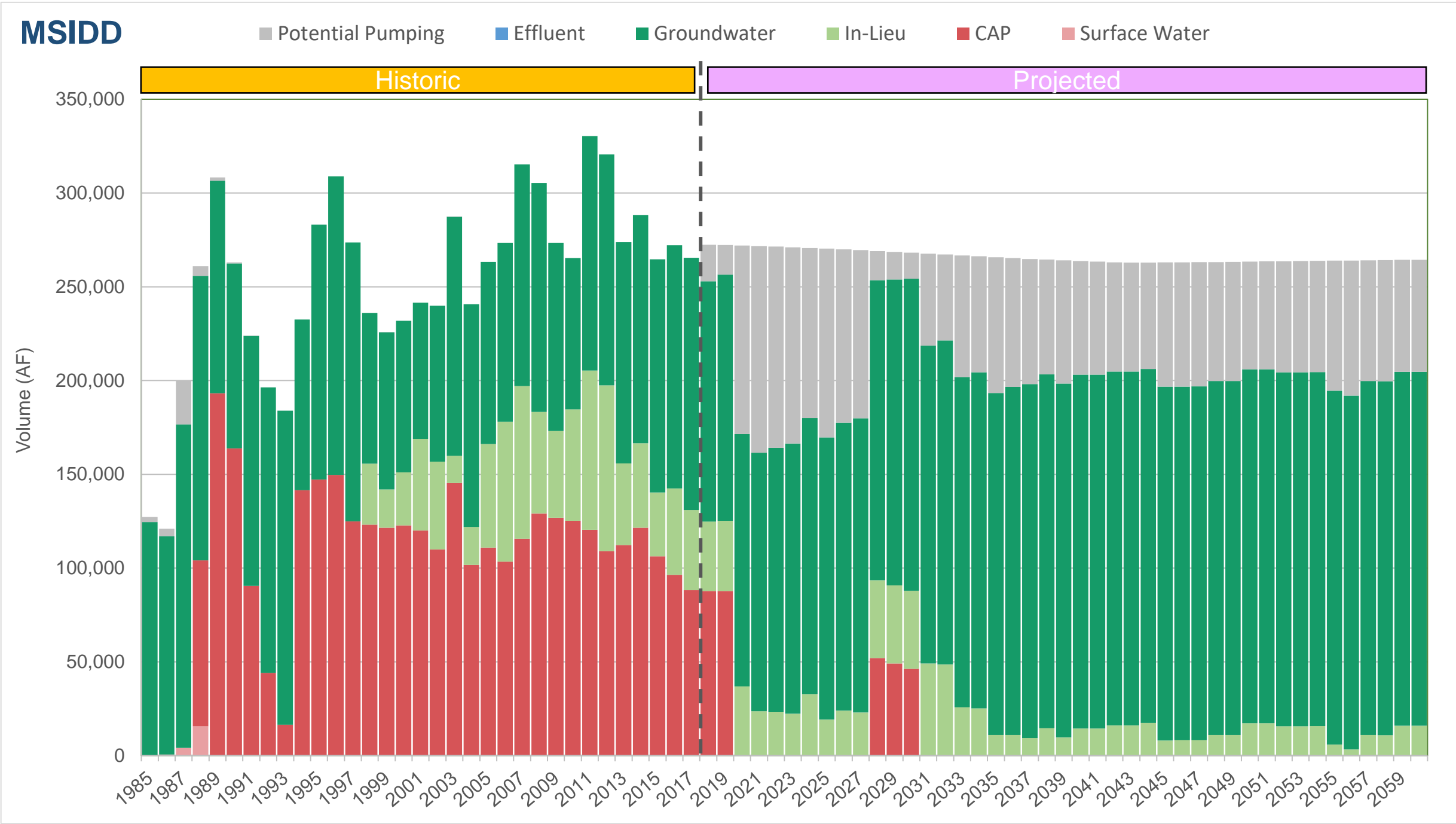
## Hohokam

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	490	0	28,837	32,720	37,825	0
2019	490	0	28,837	33,060	37,495	0
2020	490	0	0	32,513	54,350	12,535
2021	490	0	0	19,490	55,945	23,793
2022	490	0	0	18,869	57,541	22,584
2023	490	0	0	18,046	59,137	21,570
2024	490	0	0	28,358	60,732	9,420
2025	490	0	0	14,836	62,328	21,103
2026	490	0	0	19,625	63,924	14,437
2027	490	0	0	18,719	65,519	13,279
2028	490	0	17,106	37,116	42,825	0
2029	490	0	16,164	37,192	43,226	0
2030	490	0	15,233	37,211	43,671	0
2031	490	0	0	43,172	52,471	0
2032	490	0	0	42,647	52,546	0
2033	490	0	0	21,486	73,278	0
2034	490	0	0	20,891	73,437	0
2035	490	0	0	6,833	78,285	8,774
2036	490	0	0	6,821	79,880	6,745
2037	490	0	0	5,202	81,476	6,394
2038	490	0	0	10,320	81,476	1,251
2039	490	0	0	5,941	81,476	5,608
2040	490	0	0	10,244	81,476	1,273
2041	490	0	0	10,181	81,476	1,323
2042	490	0	0	11,858	81,096	0
2043	490	0	0	11,798	81,160	0
2044	490	0	0	13,217	79,764	0
2045	490	0	0	3,846	81,476	7,702
2046	490	0	0	3,859	81,476	7,722
2047	490	0	0	3,872	81,476	7,742
2048	490	0	0	6,848	81,476	4,788
2049	490	0	0	6,827	81,476	4,852
2050	490	0	0	13,062	80,127	0
2051	490	0	0	13,045	80,177	0
2052	490	0	0	11,449	81,476	317
2053	490	0	0	11,427	81,476	382
2054	490	0	0	11,835	81,476	4
2055	490	0	0	2,536	81,476	9,333
2056	490	0	0	331	81,476	11,555
2057	490	0	0	6,966	81,476	4,964
2058	490	0	0	6,950	81,476	5,011
2059	490	0	0	11,891	81,476	98
2060	490	0	0	11,935	81,476	64

Central Arizona Project Service Area Model

A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



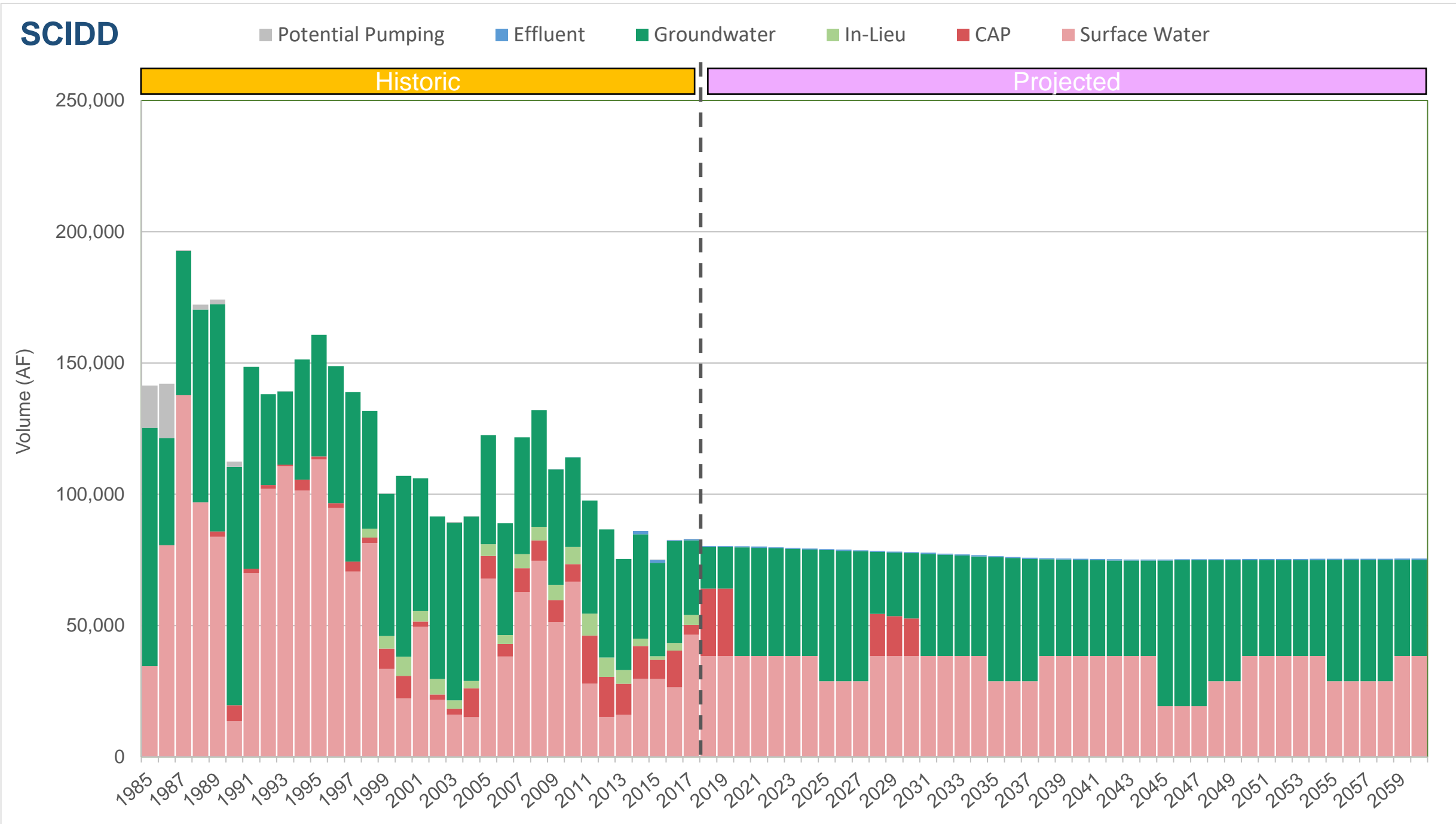
## MSIDD

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	0	0	87,706	37,080	128,180	19,373
2019	0	0	87,707	37,420	131,366	15,707
2020	0	0	0	36,866	134,551	100,611
2021	0	0	0	23,745	137,736	110,257
2022	0	0	0	23,115	140,922	107,363
2023	0	0	0	22,291	144,107	104,653
2024	0	0	0	32,687	147,293	90,712
2025	0	0	0	19,126	150,478	100,738
2026	0	0	0	23,944	153,664	92,359
2027	0	0	0	23,032	156,849	89,626
2028	0	0	52,028	41,475	160,034	15,497
2029	0	0	49,162	41,551	163,220	14,651
2030	0	0	46,329	41,570	166,405	13,817
2031	0	0	0	49,121	169,591	48,947
2032	0	0	0	48,583	172,776	45,812
2033	0	0	0	25,780	175,962	64,969
2034	0	0	0	25,181	179,147	61,907
2035	0	0	0	11,078	182,332	72,346
2036	0	0	0	11,066	185,518	68,672
2037	0	0	0	9,447	188,703	66,663
2038	0	0	0	14,565	188,703	61,184
2039	0	0	0	9,657	188,703	65,729
2040	0	0	0	14,488	188,703	60,514
2041	0	0	0	14,426	188,703	60,236
2042	0	0	0	16,103	188,703	58,193
2043	0	0	0	16,043	188,703	58,095
2044	0	0	0	17,461	188,703	56,724
2045	0	0	0	8,091	188,703	66,200
2046	0	0	0	8,104	188,703	66,263
2047	0	0	0	8,116	188,703	66,324
2048	0	0	0	11,093	188,703	63,390
2049	0	0	0	11,072	188,703	63,542
2050	0	0	0	17,307	188,703	57,408
2051	0	0	0	17,290	188,703	57,526
2052	0	0	0	15,693	188,703	59,186
2053	0	0	0	15,671	188,703	59,347
2054	0	0	0	15,841	188,703	59,274
2055	0	0	0	5,878	188,703	69,336
2056	0	0	0	3,304	188,703	71,968
2057	0	0	0	10,973	188,703	64,441
2058	0	0	0	10,956	188,703	64,555
2059	0	0	0	15,898	188,703	59,713
2060	0	0	0	15,942	188,703	59,716

# Central Arizona Project Service Area Model

## A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



## SCIDD

Date	Effluent	Surface Water	CAP	In-Lieu	Groundwater	Unknwon
2018	410	38,400	25,657	0	15,816	0
2019	410	38,400	25,657	0	15,789	0
2020	410	38,400	0	0	41,412	0
2021	410	38,400	0	0	41,235	0
2022	410	38,400	0	0	41,009	0
2023	410	38,400	0	0	40,777	0
2024	410	38,400	0	0	40,540	0
2025	410	28,800	0	0	49,905	0
2026	410	28,800	0	0	49,668	0
2027	410	28,800	0	0	49,434	0
2028	410	38,400	16,024	0	23,574	0
2029	410	38,400	15,132	0	24,236	0
2030	410	38,400	14,231	0	24,903	0
2031	410	38,400	0	0	38,900	0
2032	410	38,400	0	0	38,594	0
2033	410	38,400	0	0	38,267	0
2034	410	38,400	0	0	37,935	0
2035	410	28,800	0	0	47,202	0
2036	410	28,800	0	0	46,864	0
2037	410	28,800	0	0	46,565	0
2038	410	38,400	0	0	36,847	0
2039	410	38,400	0	0	36,729	0
2040	410	38,400	0	0	36,603	0
2041	410	38,400	0	0	36,492	0
2042	410	38,400	0	0	36,371	0
2043	410	38,400	0	0	36,320	0
2044	410	38,400	0	0	36,335	0
2045	410	19,200	0	0	55,565	0
2046	410	19,200	0	0	55,590	0
2047	410	19,200	0	0	55,612	0
2048	410	28,800	0	0	46,026	0
2049	410	28,800	0	0	46,059	0
2050	410	38,400	0	0	36,481	0
2051	410	38,400	0	0	36,504	0
2052	410	38,400	0	0	36,515	0
2053	410	38,400	0	0	36,547	0
2054	410	38,400	0	0	36,568	0
2055	410	28,800	0	0	46,188	0
2056	410	28,800	0	0	46,196	0
2057	410	28,800	0	0	46,230	0
2058	410	28,800	0	0	46,249	0
2059	410	38,400	0	0	36,670	0
2060	410	38,400	0	0	36,674	0

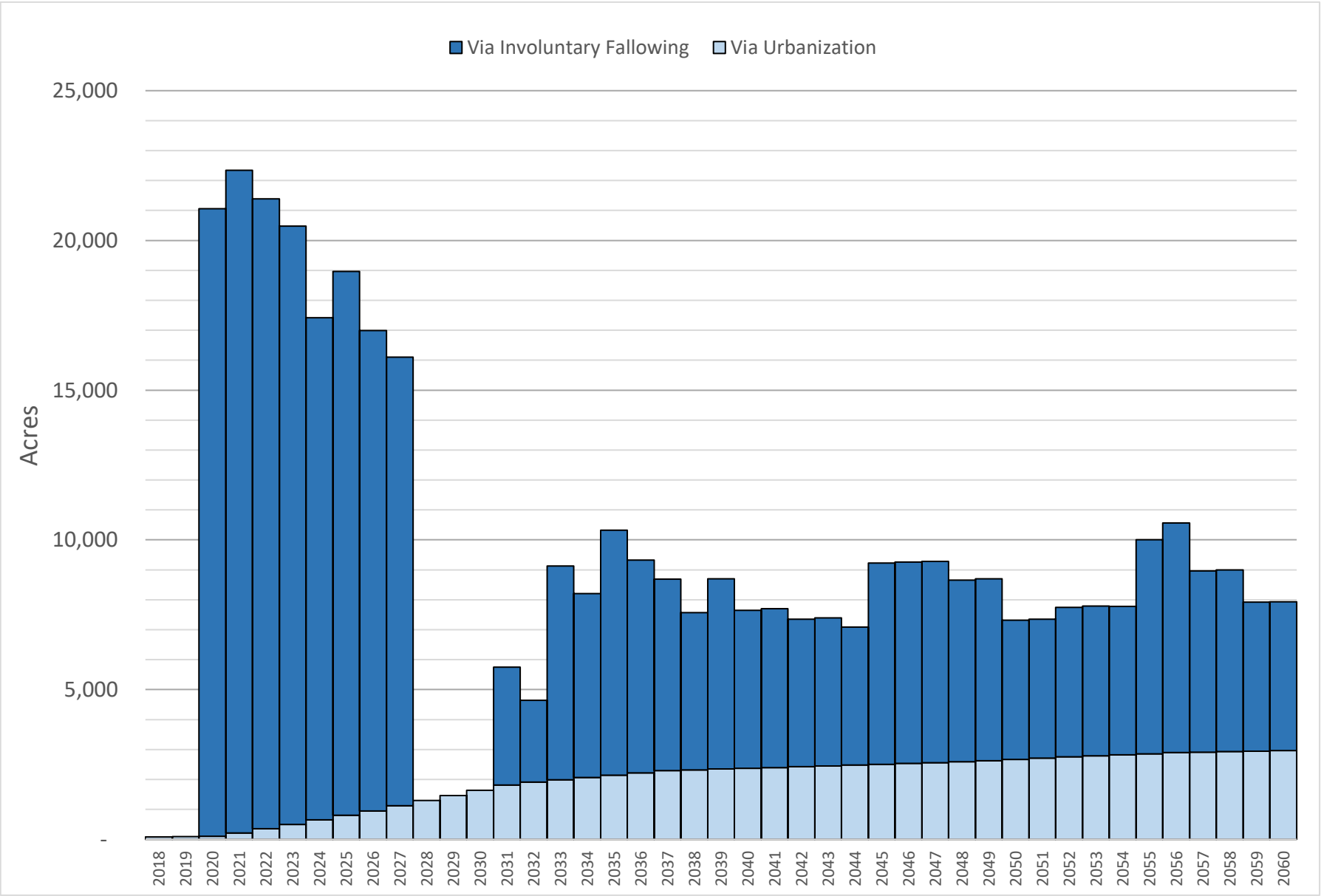


Central Arizona Project Service Area Model

Reduction in Agricultural Acres

A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



CAIDD

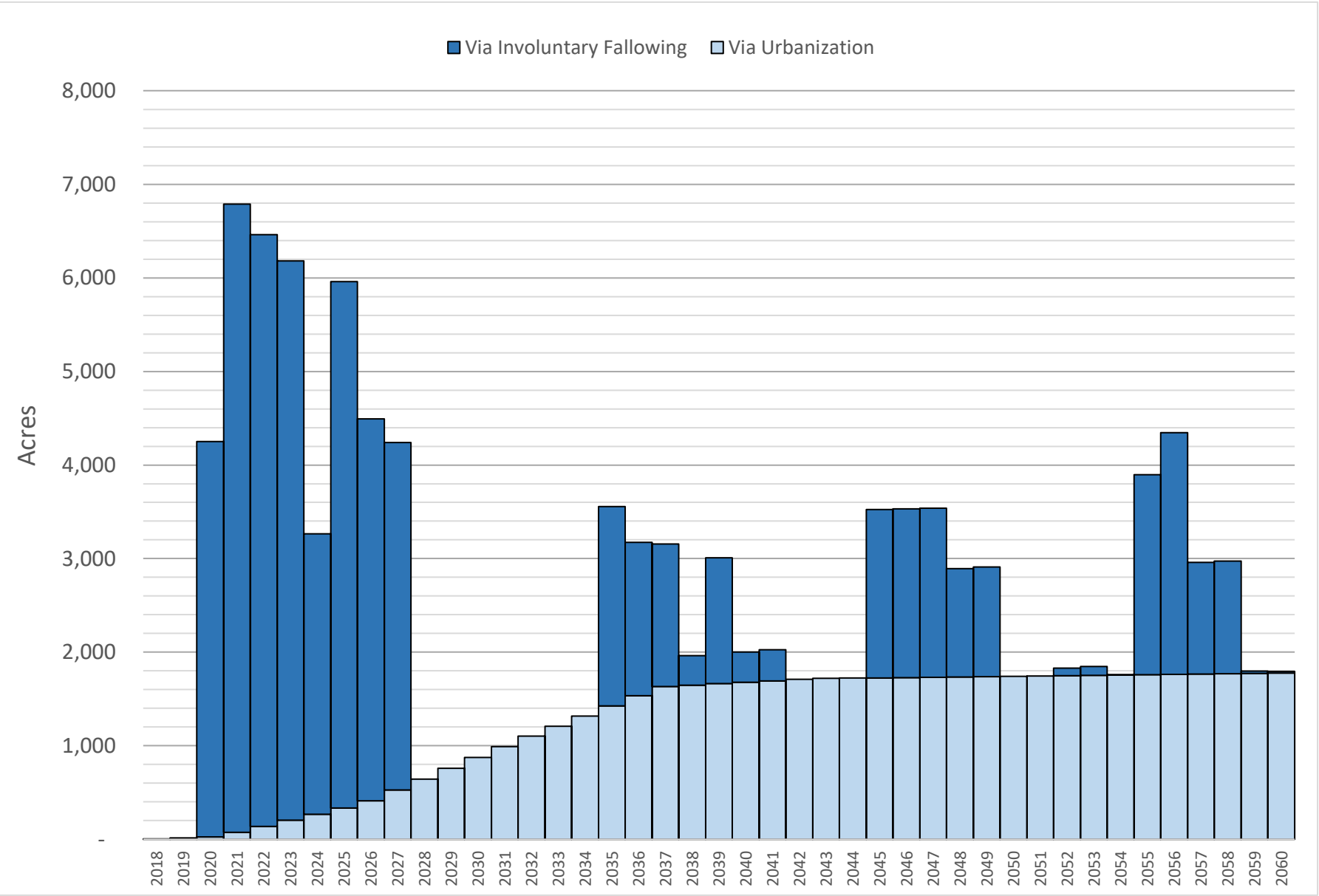
Date	Reduction in Ag Acres	
	Via Urbanization	Via Involuntary Following
2018	83	0
2019	92	0
2020	102	20,962
2021	212	22,133
2022	356	21,033
2023	503	19,972
2024	651	16,765
2025	800	18,162
2026	953	16,035
2027	1,125	14,980
2028	1,297	0
2029	1,468	0
2030	1,639	0
2031	1,811	3,944
2032	1,916	2,732
2033	1,992	7,133
2034	2,069	6,134
2035	2,146	8,180
2036	2,223	7,100
2037	2,294	6,392
2038	2,320	5,251
2039	2,347	6,354
2040	2,374	5,272
2041	2,400	5,298
2042	2,427	4,919
2043	2,454	4,938
2044	2,481	4,609
2045	2,507	6,720
2046	2,534	6,721
2047	2,561	6,722
2048	2,588	6,068
2049	2,628	6,071
2050	2,671	4,651
2051	2,713	4,643
2052	2,756	4,988
2053	2,791	4,998
2054	2,825	4,957
2055	2,860	7,144
2056	2,894	7,671
2057	2,912	6,053
2058	2,929	6,070
2059	2,947	4,981
2060	2,967	4,970

Central Arizona Project Service Area Model

Reduction in Agricultural Acres

A. Highest Demand [EMSBS]

High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



Hohokam

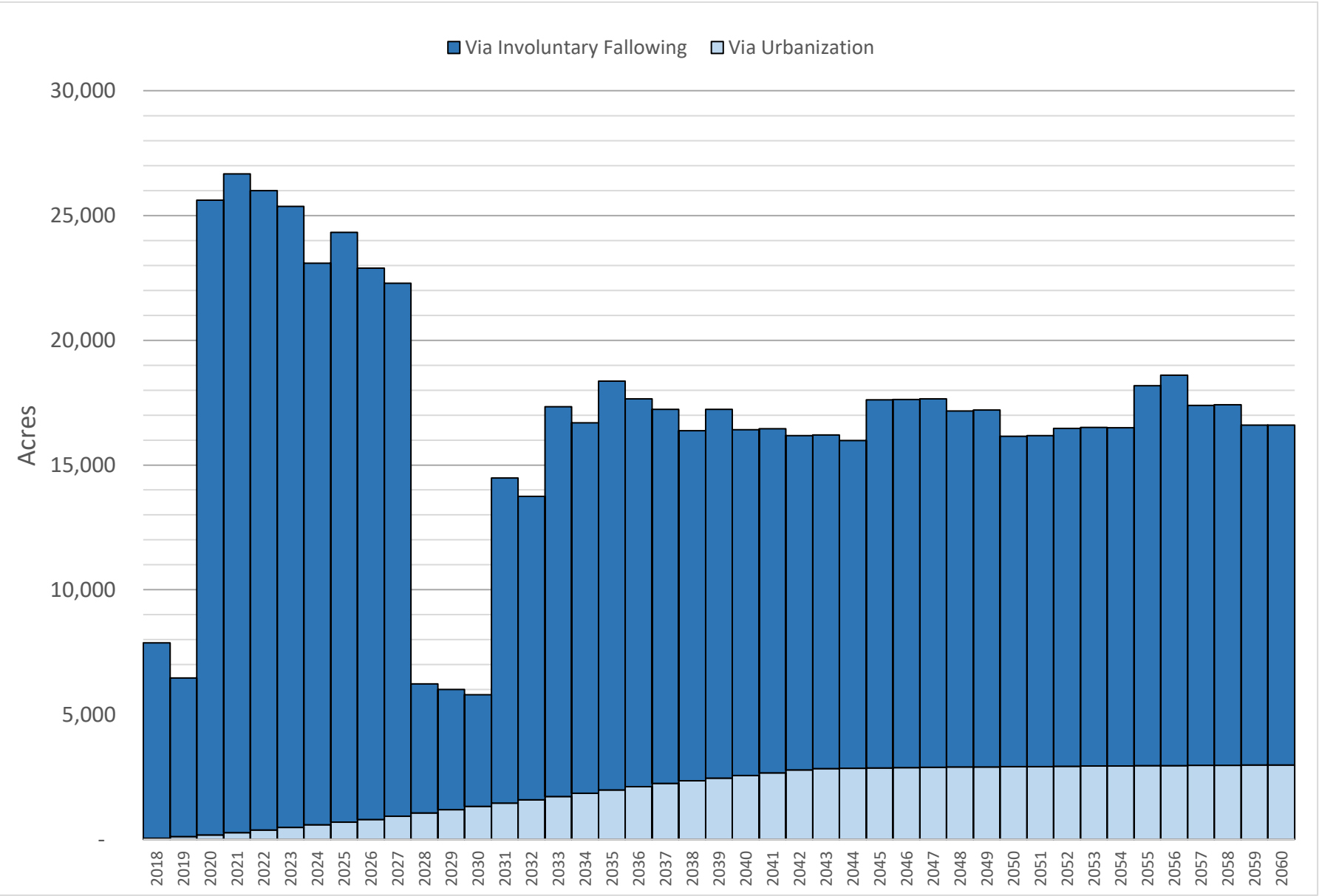
Date	Reduction in Ag Acres	
	Via Urbanization	Via Involuntary Following
2018	6	0
2019	15	0
2020	25	4,225
2021	75	6,712
2022	139	6,322
2023	204	5,977
2024	270	2,994
2025	336	5,623
2026	410	4,082
2027	527	3,714
2028	643	0
2029	759	0
2030	875	0
2031	992	0
2032	1,102	0
2033	1,210	0
2034	1,319	0
2035	1,427	2,131
2036	1,536	1,638
2037	1,632	1,523
2038	1,648	316
2039	1,663	1,346
2040	1,679	321
2041	1,694	333
2042	1,710	0
2043	1,720	0
2044	1,723	0
2045	1,726	1,800
2046	1,729	1,804
2047	1,732	1,808
2048	1,735	1,156
2049	1,738	1,171
2050	1,741	0
2051	1,744	0
2052	1,748	81
2053	1,751	97
2054	1,755	1
2055	1,759	2,139
2056	1,762	2,584
2057	1,766	1,195
2058	1,770	1,205
2059	1,774	25
2060	1,778	16

Central Arizona Project Service Area Model

Reduction in Agricultural Acres

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MSIDD

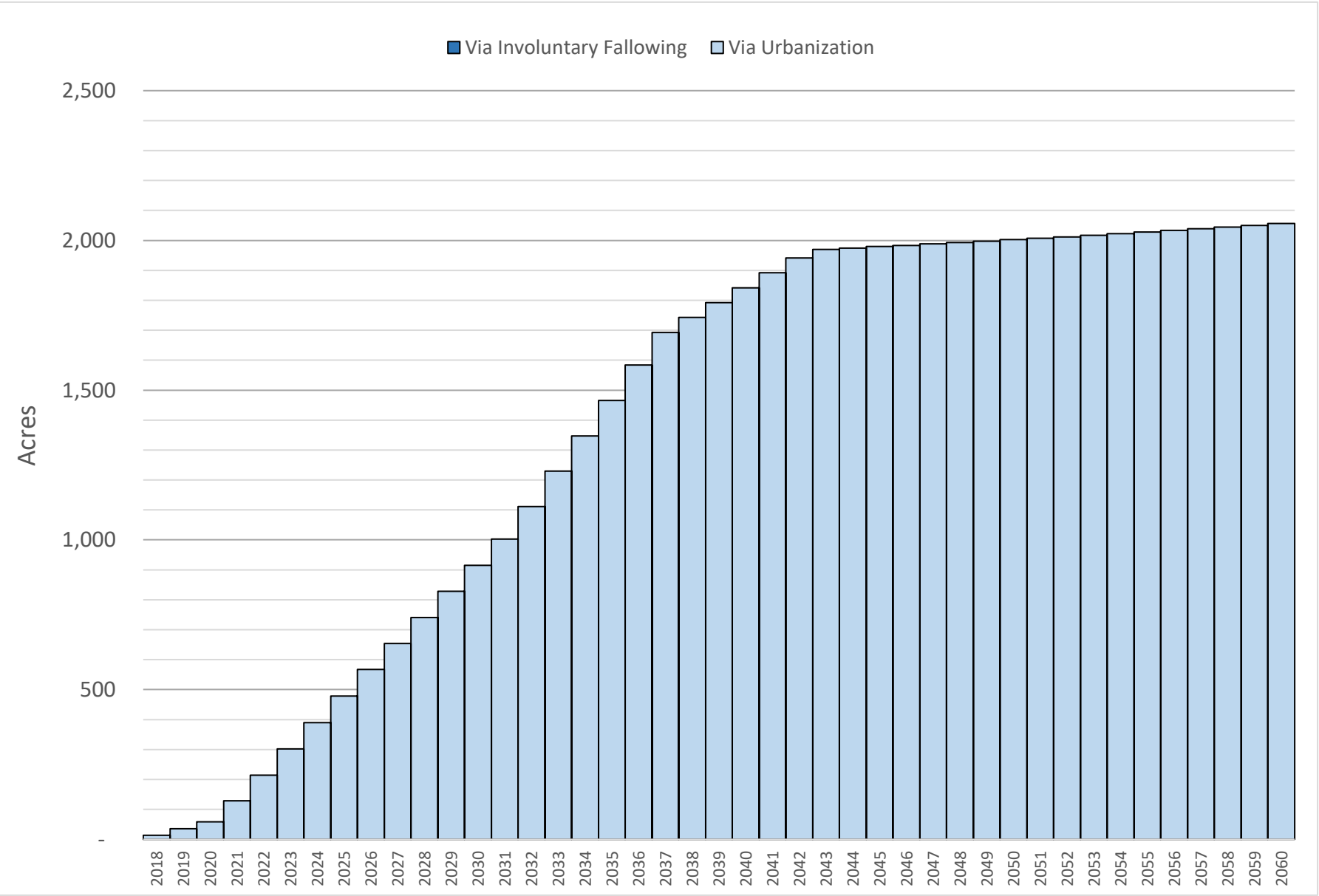
Date	Reduction in Ag Acres	
	Via Urbanization	Via Involuntary Following
2018	46	7,824
2019	106	6,358
2020	173	25,442
2021	266	26,397
2022	370	25,629
2023	476	24,890
2024	582	22,509
2025	690	23,639
2026	801	22,089
2027	930	21,349
2028	1,060	5,172
2029	1,190	4,814
2030	1,320	4,471
2031	1,450	13,033
2032	1,581	12,168
2033	1,714	15,620
2034	1,846	14,842
2035	1,979	16,380
2036	2,112	15,542
2037	2,241	14,984
2038	2,348	14,028
2039	2,455	14,773
2040	2,562	13,859
2041	2,669	13,785
2042	2,777	13,403
2043	2,839	13,371
2044	2,851	13,125
2045	2,863	14,745
2046	2,875	14,753
2047	2,887	14,760
2048	2,900	14,268
2049	2,907	14,291
2050	2,913	13,232
2051	2,920	13,251
2052	2,927	13,541
2053	2,933	13,567
2054	2,941	13,553
2055	2,948	15,233
2056	2,955	15,650
2057	2,962	14,428
2058	2,969	14,445
2059	2,976	13,621
2060	2,985	13,619

Central Arizona Project Service Area Model

Reduction in Agricultural Acres

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High growth rate, spillover (suburban) growth pattern, hotter and drier climate, Ag pumping capacity equals 1.5x the max gw use from 2010 to 2015



SCIDD

Date	Reduction in Ag Acres	
	Via Urbanization	Via Involuntary Fallowing
2018	14	0
2019	35	0
2020	59	0
2021	129	0
2022	214	0
2023	302	0
2024	389	0
2025	478	0
2026	567	0
2027	654	0
2028	741	0
2029	828	0
2030	915	0
2031	1,003	0
2032	1,111	0
2033	1,229	0
2034	1,347	0
2035	1,466	0
2036	1,584	0
2037	1,693	0
2038	1,743	0
2039	1,792	0
2040	1,842	0
2041	1,892	0
2042	1,942	0
2043	1,970	0
2044	1,974	0
2045	1,979	0
2046	1,984	0
2047	1,989	0
2048	1,993	0
2049	1,997	0
2050	2,002	0
2051	2,007	0
2052	2,012	0
2053	2,017	0
2054	2,023	0
2055	2,028	0
2056	2,034	0
2057	2,039	0
2058	2,045	0
2059	2,050	0
2060	2,056	0