

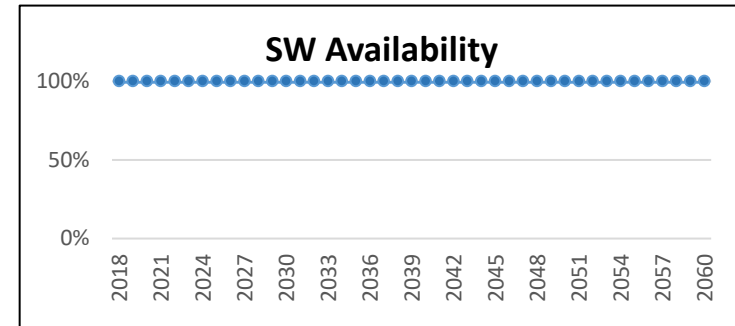
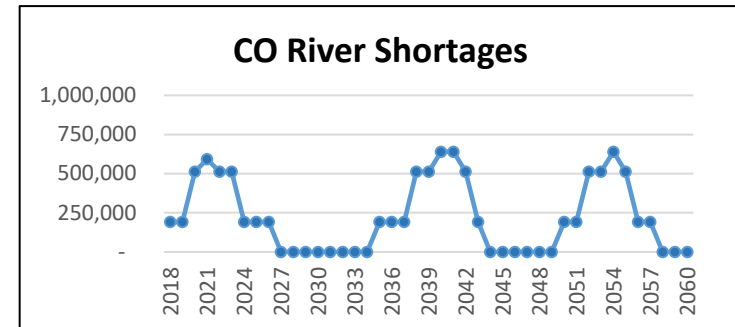
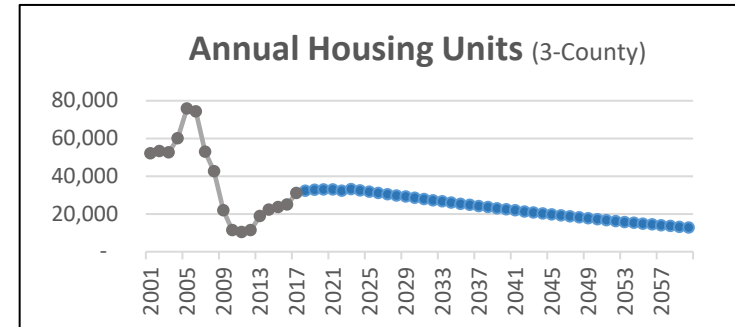
F. Lowest Demand, Historic [EMSBS]

Slow growth rate, dense urbanization growth pattern, historic climate, Ag pumping capacity equal to the max gw use from 2010 to 2015 plus additional DCP pumping capacity. Pairwise

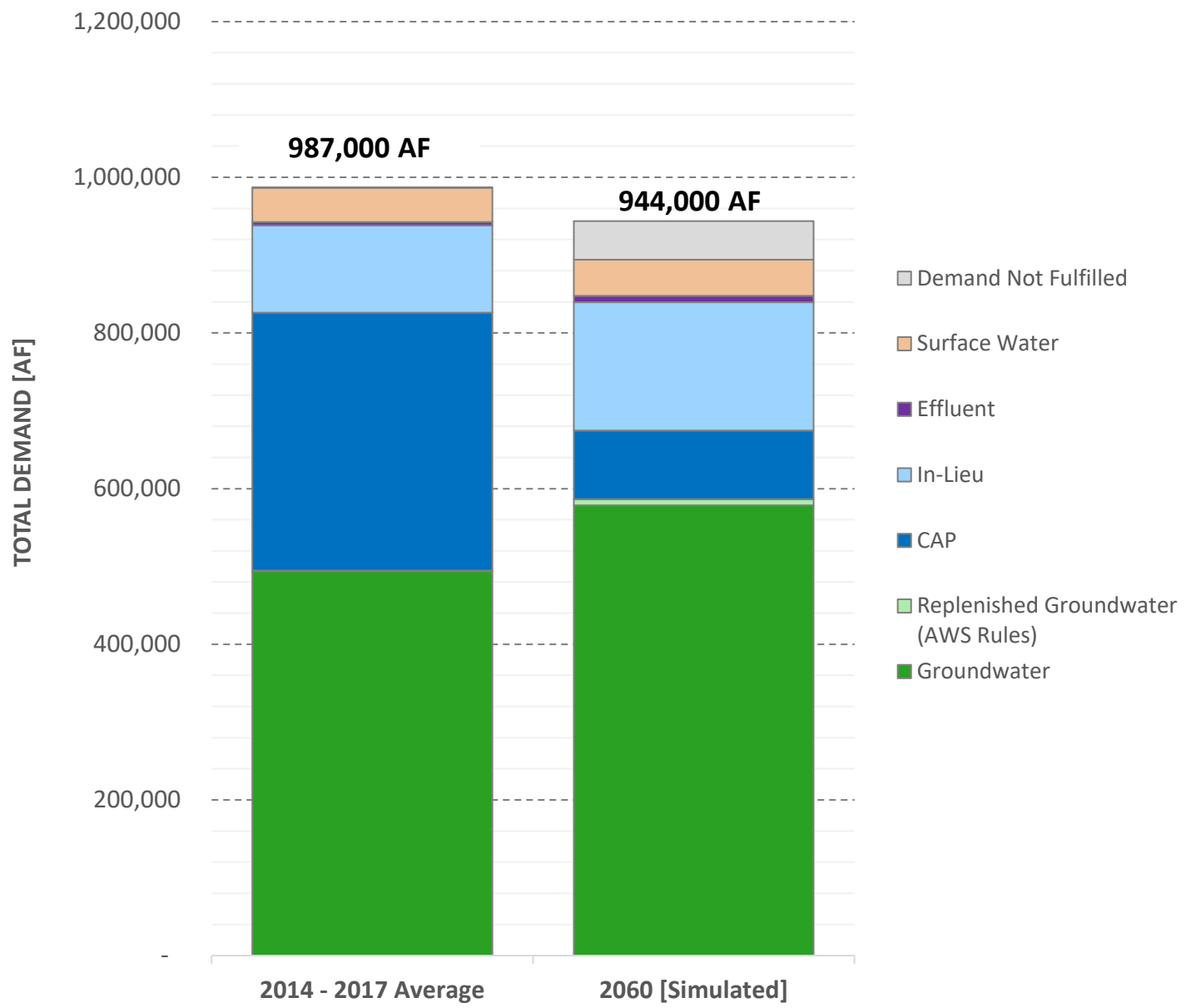
Allow Shortages	Yes	
Select CRSS Array	3	3=Synthetic
Use Specific Trace	Yes	
Selected Trace	3	1=Moderate; 2=Deep; 3=Slight
AWBA Max M&I	20%	
Surface Water Scenario	1	1=No Reduction; 2=Occasional; 3=Frequent
Use CAP Buildup	Yes	
CAP Buildup Scenario	2	1=2035; 2=2045
HU Growth Pattern	5	4=Interior Growth
HU Forecast	2	1=Use Curve; 2=Eller Forecast
HU Curve	2	
HU Growth Start Rate	-2%	
HU Ordinary Level	33,000	
HU Rate @ 50 yrs	-3%	
GPHUD Change Existing	-1.0%	per year
GPHUD Max Change Existing	-20%	
GPHUD Min Existing	150	
GPHUD Scenario New	1	
GPHUD Change New	-0.3%	per year
Ag Climate Adjustment	0	
Ag Efficiency Increase	0.2%	per year
Ag Efficiency Goal	80%	
Ag Replace Crop CU	2.66	
Ag Intensity Scenario	2	
Ag Develop on Crops	70%	Perecent of max on active Ag
Ag Acres Replace Percent	0%	
Ag Replace Crop Year	2025	

Run Date: 2/25/2020

Filename: CAPServiceArea_v3.51_ACv3.gsm



F. Lowest Demand, Historic [EMSBS]

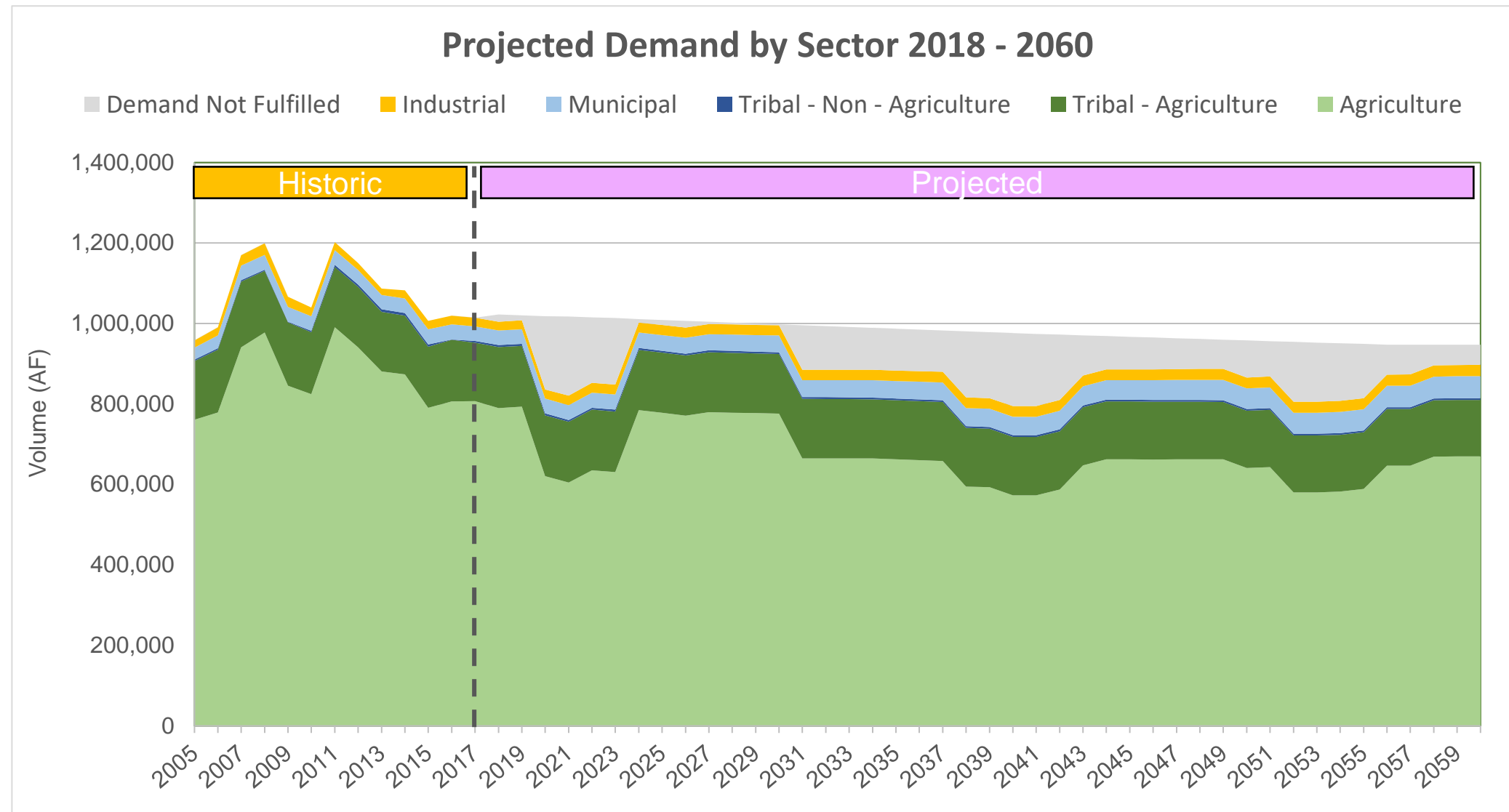


[Muni + Ag + Tribal + Industrial]

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 2010 to 2015 plus additional DCP pumping capacity.
Pairwise comparison to Scenario E.



F. Lowest Demand, Historic [EMSBS]

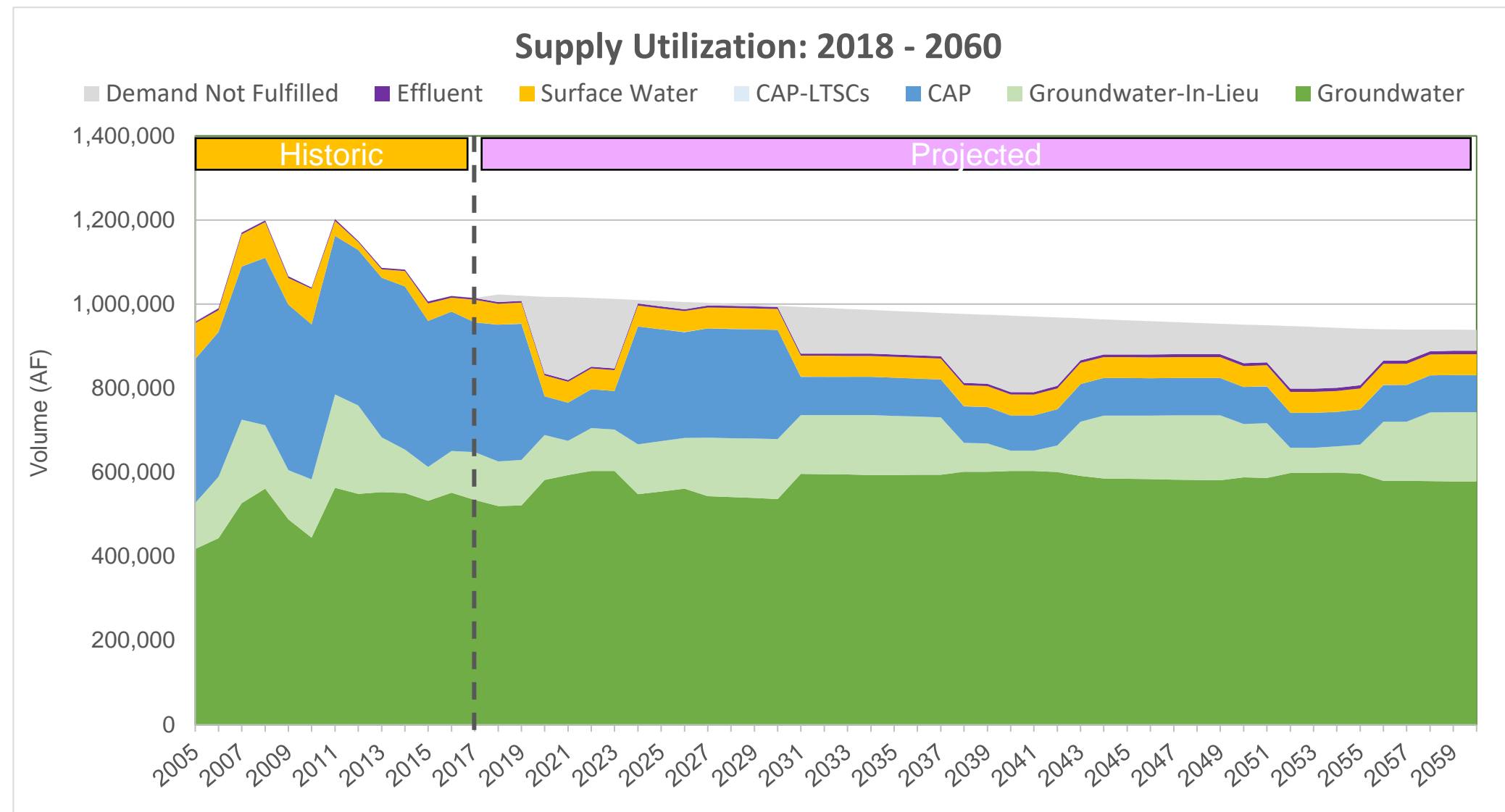
Demand By Sector

Date	Agriculture	Municipal	Industrial	Tribal
2018	789,956	36,125	22,274	156,427
2019	793,315	36,286	22,403	156,114
2020	620,886	36,619	22,533	155,803
2021	604,804	36,972	23,666	155,492
2022	635,496	37,440	24,379	155,182
2023	631,160	37,998	24,615	154,872
2024	784,710	38,565	24,743	154,563
2025	777,947	39,089	24,868	154,254
2026	771,169	39,605	24,991	153,946
2027	779,822	40,100	25,111	153,639
2028	778,580	40,597	25,229	153,332
2029	777,344	41,036	25,344	153,026
2030	776,028	41,485	25,457	152,721
2031	664,938	41,939	25,567	152,416
2032	664,848	42,413	25,674	152,112
2033	664,675	42,815	25,779	151,808
2034	664,504	43,225	25,882	151,505
2035	662,563	43,616	25,982	151,203
2036	660,566	44,057	26,080	150,901
2037	658,619	44,419	26,175	150,600
2038	594,918	44,802	26,268	150,299
2039	593,039	45,171	26,359	149,999
2040	573,118	45,567	26,448	149,700
2041	573,001	46,076	26,534	149,401
2042	587,709	46,671	26,618	149,103
2043	647,809	47,254	26,700	148,805
2044	662,568	47,868	26,780	148,508
2045	662,371	48,375	26,858	148,212
2046	662,232	48,913	26,933	147,916
2047	662,773	49,436	27,007	147,621
2048	662,667	49,996	27,078	147,326
2049	662,654	50,439	27,148	147,032
2050	641,172	50,919	27,215	146,738
2051	643,174	51,386	27,281	146,445
2052	580,269	51,897	27,345	146,153
2053	580,245	52,280	27,407	145,861
2054	582,443	52,708	27,467	145,570
2055	588,693	53,123	27,525	145,280
2056	646,967	53,586	27,582	144,990
2057	646,810	53,914	27,637	144,990
2058	668,863	54,289	27,690	144,990
2059	669,727	54,652	27,742	144,990
2060	669,535	55,068	27,792	144,990

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 2010 to 2015 plus additional DCP pumping capacity.
Pairwise comparison to Scenario E.

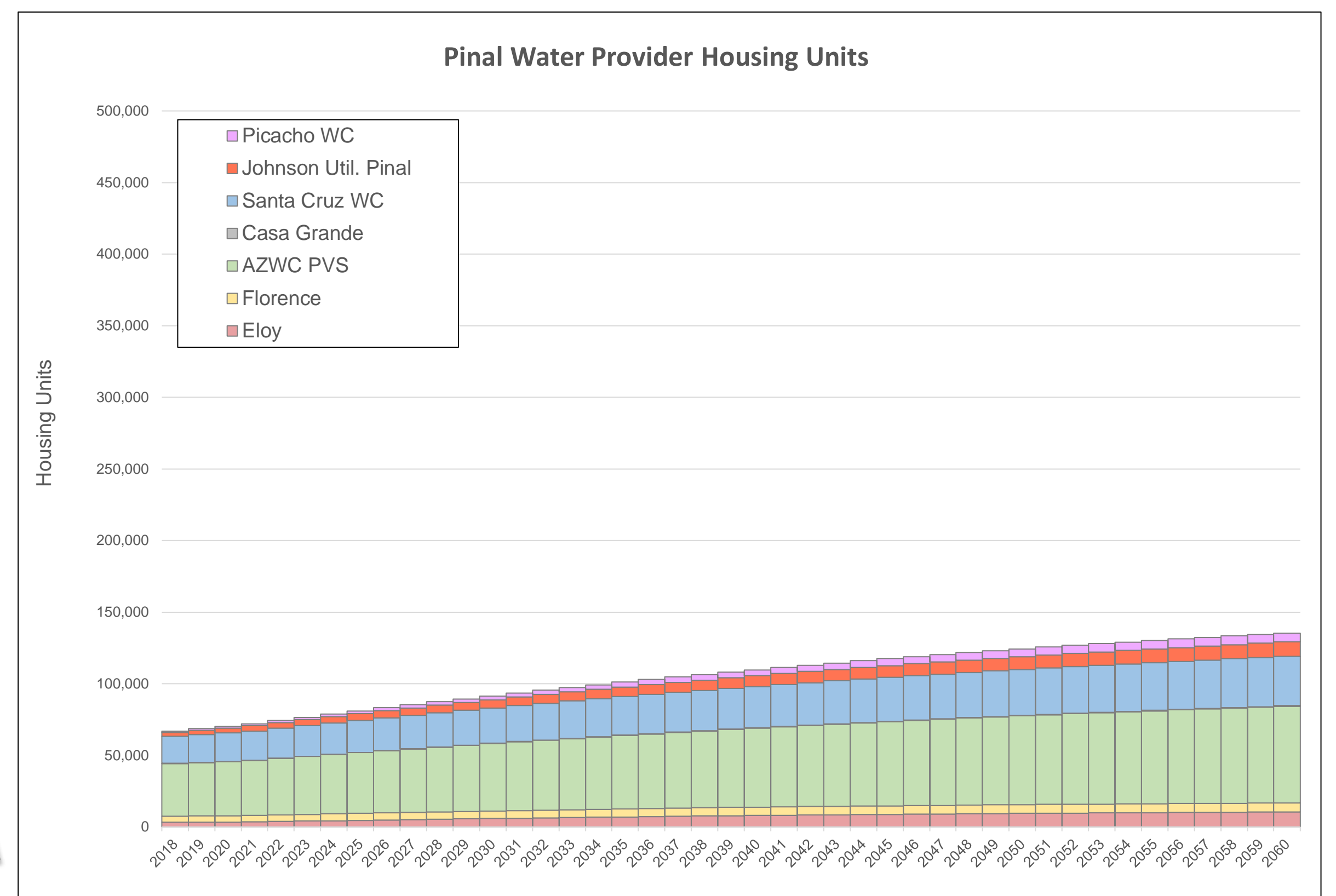
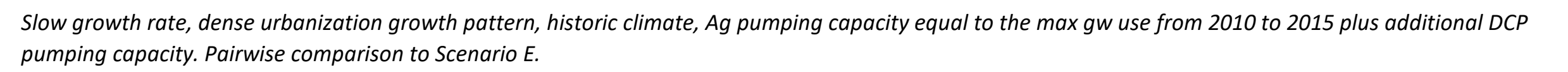


F. Lowest Demand, Historic [EMSBS]

Supply Utilization

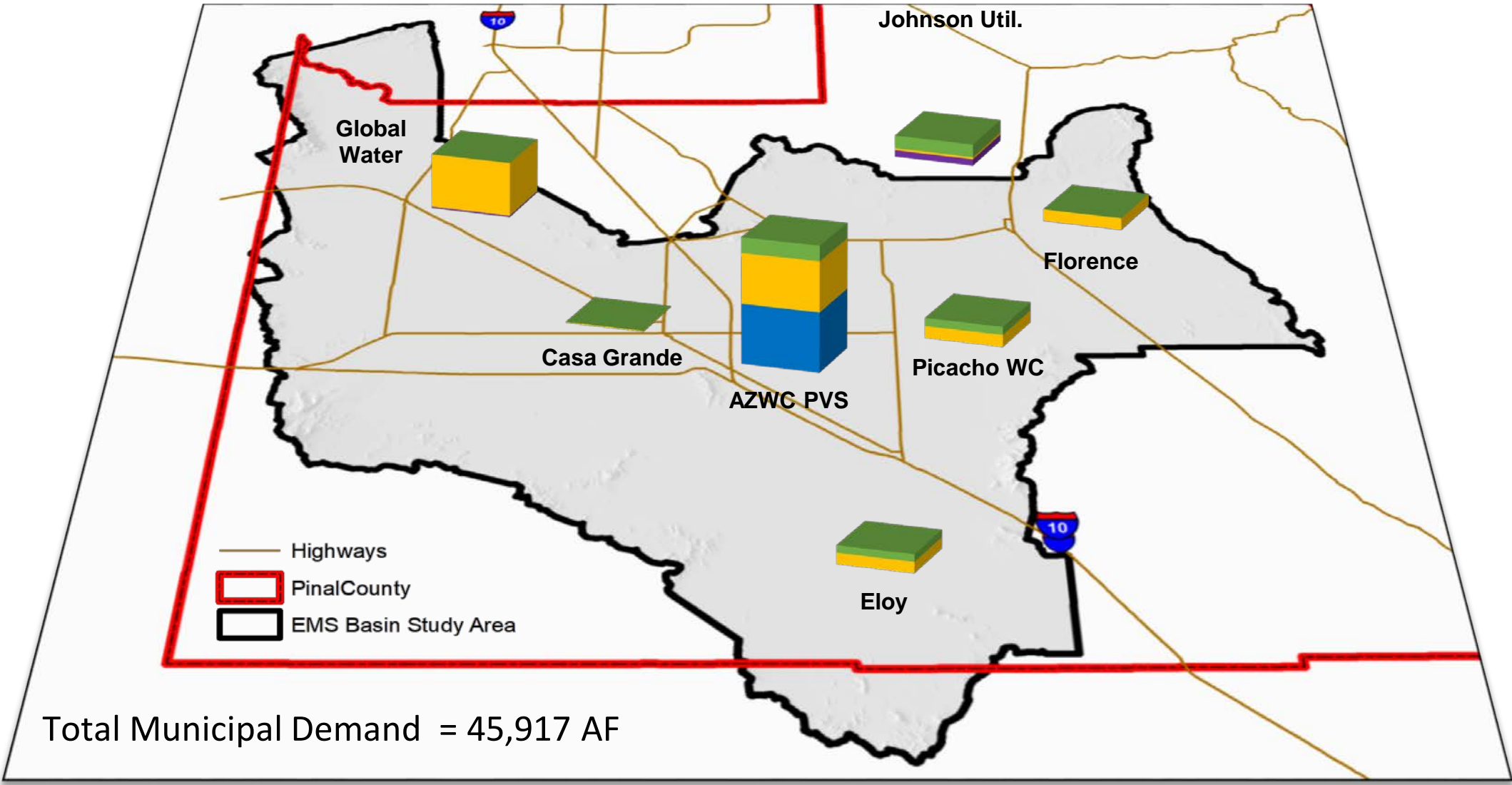
Date	Effluent	Surface Water	CAP	CAP LTSCs	Groundwater	Groundwater - In Lieu	Groundwater - Replenished	Unknown
2018	3,982	49,650	324,524	136	519,442	106,645	402	17,962
2019	4,032	49,650	324,384	129	521,291	107,969	664	12,398
2020	4,130	49,650	92,541	123	581,877	106,730	790	182,626
2021	4,240	49,650	90,753	117	594,110	81,166	899	196,424
2022	4,345	49,650	91,847	111	603,095	102,444	1,006	163,129
2023	4,441	49,650	91,420	105	603,290	98,612	1,127	164,840
2024	4,533	49,650	280,167	100	548,038	118,818	1,274	8,700
2025	4,624	49,650	265,982	95	554,777	119,616	1,414	12,895
2026	4,713	49,650	251,733	91	561,556	120,397	1,571	17,136
2027	4,801	49,650	260,031	86	543,681	138,699	1,725	5,969
2028	4,890	49,650	259,889	82	541,424	139,916	1,888	4,729
2029	4,976	49,650	259,747	78	539,121	141,138	2,041	3,510
2030	5,061	49,650	259,605	74	536,863	142,238	2,200	2,341
2031	5,148	49,650	91,241	70	596,713	139,676	2,362	110,911
2032	5,237	49,650	91,100	67	595,757	140,703	2,534	108,506
2033	5,321	49,650	90,959	64	594,845	141,545	2,693	106,216
2034	5,405	49,650	90,819	61	593,948	142,379	2,854	103,952
2035	5,488	49,650	90,679	58	594,052	140,426	3,012	103,485
2036	5,576	49,650	90,539	55	594,202	138,406	3,176	103,102
2037	5,661	49,650	90,399	52	594,251	136,476	3,324	102,691
2038	5,746	49,650	86,950	50	601,277	69,138	3,477	164,066
2039	5,831	49,650	86,689	47	601,061	67,666	3,625	163,643
2040	5,920	49,650	83,880	45	603,416	48,145	3,776	181,289
2041	6,021	49,650	83,702	43	603,243	48,422	3,930	179,166
2042	6,131	49,650	85,935	41	600,723	63,519	4,101	162,248
2043	6,244	49,650	89,563	39	591,401	129,363	4,309	99,959
2044	6,361	49,650	89,430	37	585,390	149,620	5,236	83,039
2045	6,470	49,650	89,293	35	584,660	150,277	5,430	81,100
2046	6,579	49,650	89,156	33	583,925	151,013	5,637	79,122
2047	6,690	49,650	89,019	32	582,807	152,803	5,836	76,485
2048	6,806	49,650	88,883	30	582,131	153,522	6,045	74,520
2049	6,912	49,650	88,746	29	581,306	154,410	6,219	72,484
2050	7,020	49,650	88,230	27	588,403	126,307	6,408	91,938
2051	7,129	49,650	88,094	26	586,547	130,251	6,589	87,927
2052	7,244	49,650	83,652	25	598,567	59,745	6,781	148,847
2053	7,348	49,650	83,519	24	598,251	60,066	6,936	146,903
2054	7,454	49,650	82,201	23	599,148	62,607	7,107	142,758
2055	7,562	49,650	83,731	21	597,193	69,194	7,271	134,582
2056	7,676	49,650	87,905	20	579,944	140,483	7,446	74,403
2057	7,780	49,650	87,905	20	579,864	140,549	7,583	74,026
2058	7,885	49,650	88,285	19	578,963	163,301	7,728	51,449
2059	7,995	49,650	88,285	18	578,374	164,924	7,866	50,079
2060	8,111	49,650	88,285	17	578,405	164,900	8,017	49,783

Housing Unit Projection: Max Redevelopment



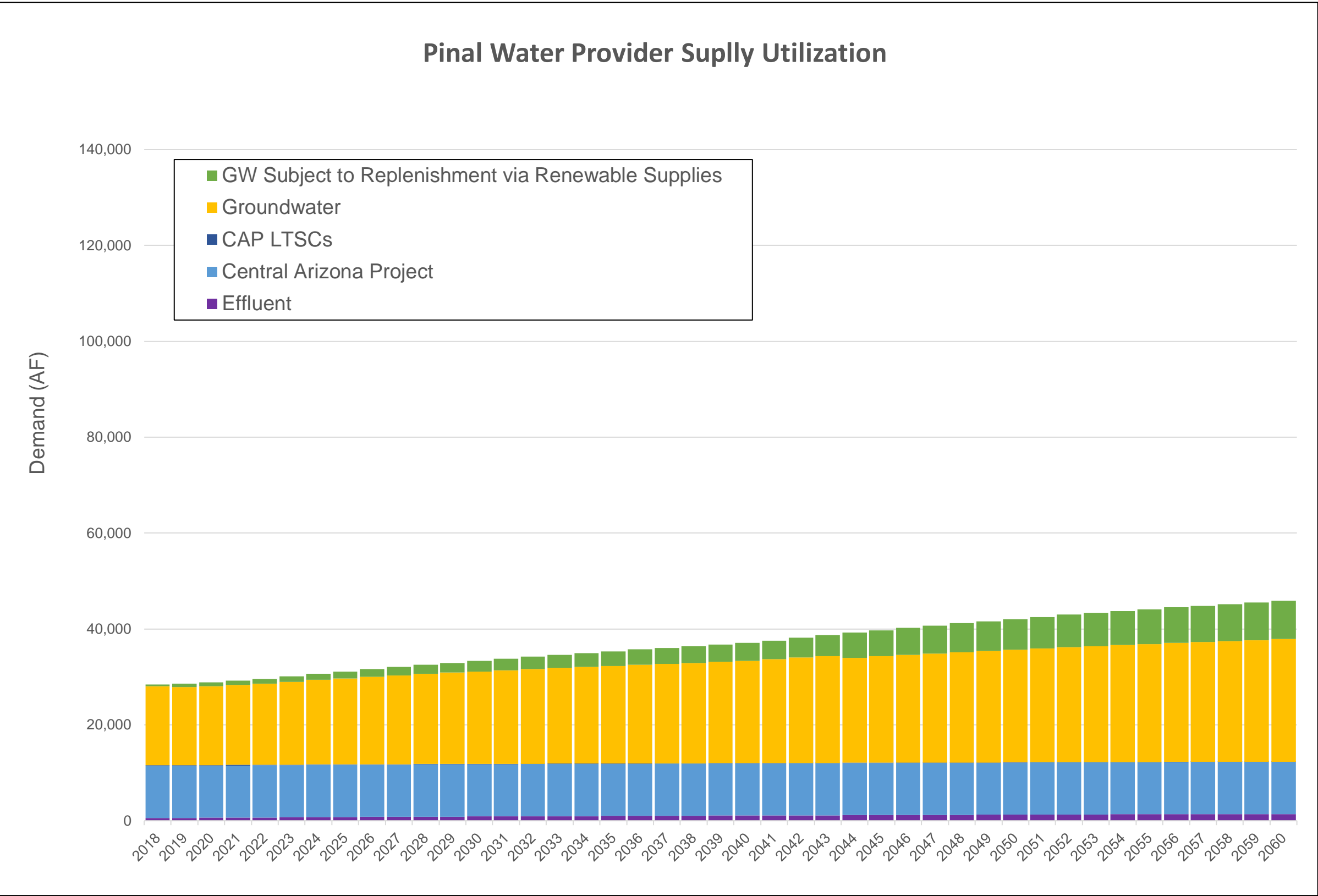
F. Lowest Demand, Historic [EMSBS]

Supply Utilization, 2060



■ GW Subject to AWS Rules ■ Groundwater ■ CAP LTSCs ■ Central Arizona Project ■ Effluent

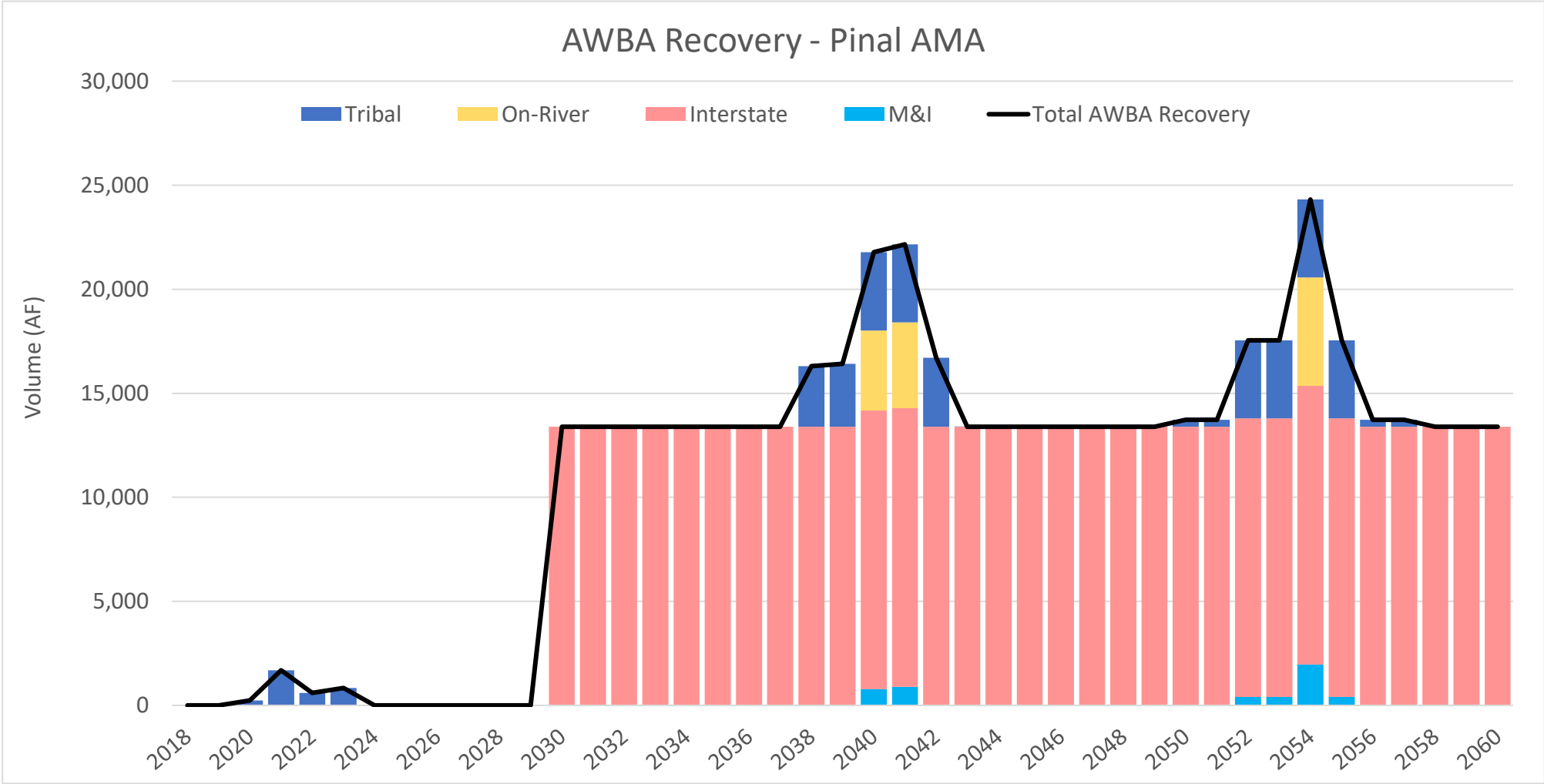
Slow growth rate, dense urbanization growth pattern, historic climate, Ag pumping capacity equal to the max gw use from 2010 to 2015 plus additional DCP pumping capacity. Pairwise comparison to Scenario E.



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 2010 to 2015 plus additional DCP pumping capacity. Pairwise comparison to Scenario E.



F. Lowest Demand, Historic [EMSBS]

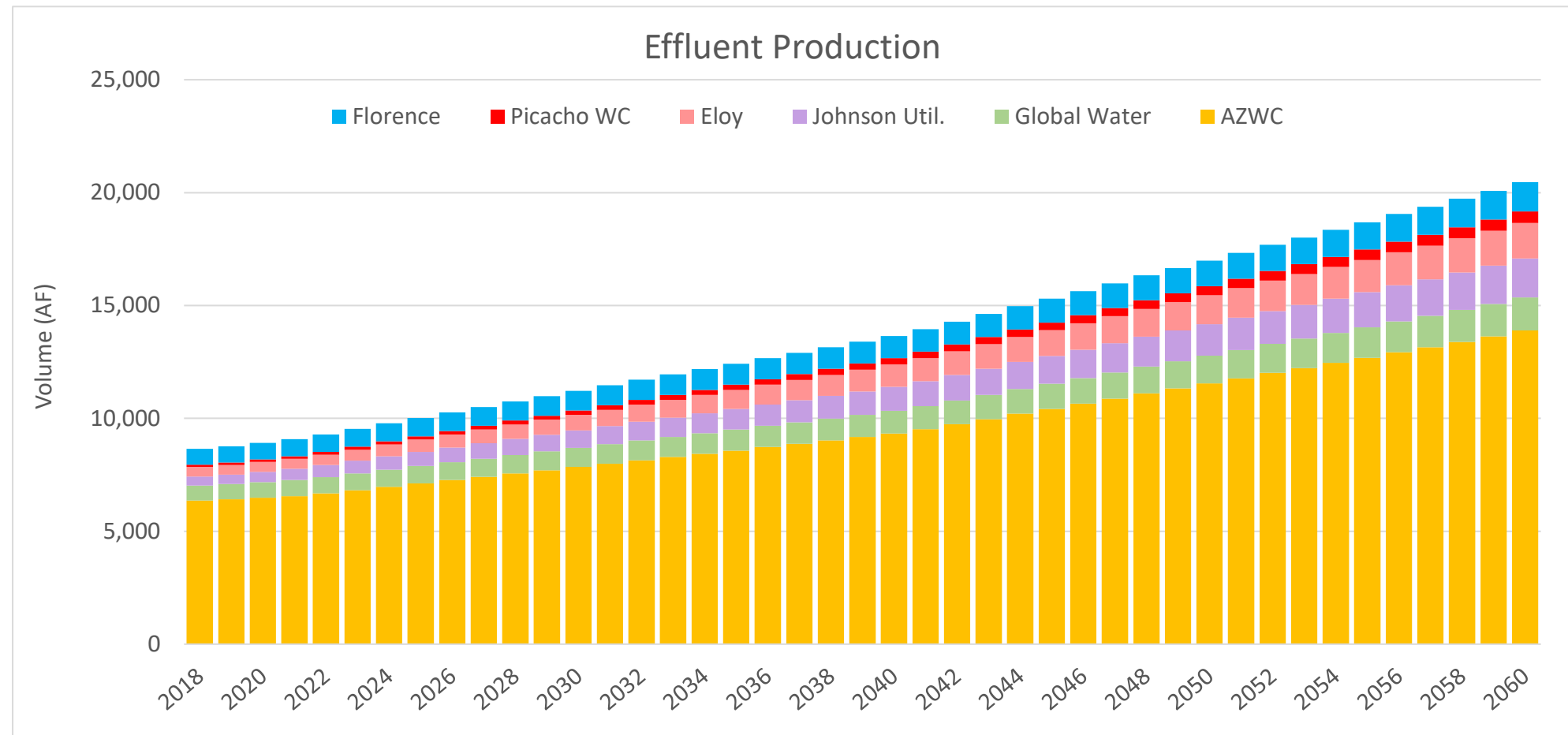
AWBA Recovery

Date	M&I	Interstate	On-River	Tribal	Total
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	236	236
2021	0	0	0	1,681	1,681
2022	0	0	0	593	593
2023	0	0	0	842	842
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0	0	0	0	0
2027	0	0	0	0	0
2028	0	0	0	0	0
2029	0	0	0	0	0
2030	0	13,393	0	0	13,393
2031	0	13,393	0	0	13,393
2032	0	13,393	0	0	13,393
2033	0	13,393	0	0	13,393
2034	0	13,393	0	0	13,393
2035	0	13,393	0	0	13,393
2036	0	13,393	0	0	13,393
2037	0	13,393	0	0	13,393
2038	0	13,393	0	2,909	16,302
2039	0	13,393	0	3,016	16,408
2040	777	13,393	3,854	3,750	21,774
2041	893	13,393	4,126	3,750	22,161
2042	0	13,393	0	3,313	16,706
2043	0	13,393	0	4	13,397
2044	0	13,393	0	0	13,393
2045	0	13,393	0	0	13,393
2046	0	13,393	0	0	13,393
2047	0	13,393	0	0	13,393
2048	0	13,393	0	0	13,393
2049	0	13,393	0	0	13,393
2050	0	13,393	0	334	13,727
2051	0	13,393	0	334	13,727
2052	399	13,393	0	3,750	17,542
2053	399	13,393	0	3,750	17,542
2054	1,963	13,393	5,205	3,750	24,311
2055	399	13,393	0	3,750	17,542
2056	0	13,393	0	334	13,727
2057	0	13,393	0	334	13,727
2058	0	13,393	0	0	13,393
2059	0	13,393	0	0	13,393
2060	0	13,393	0	0	13,393

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 2010 to 2015 plus additional DCP pumping capacity. Pairwise comparison to Scenario E.



F. Lowest Demand, Historic [EMSBS]

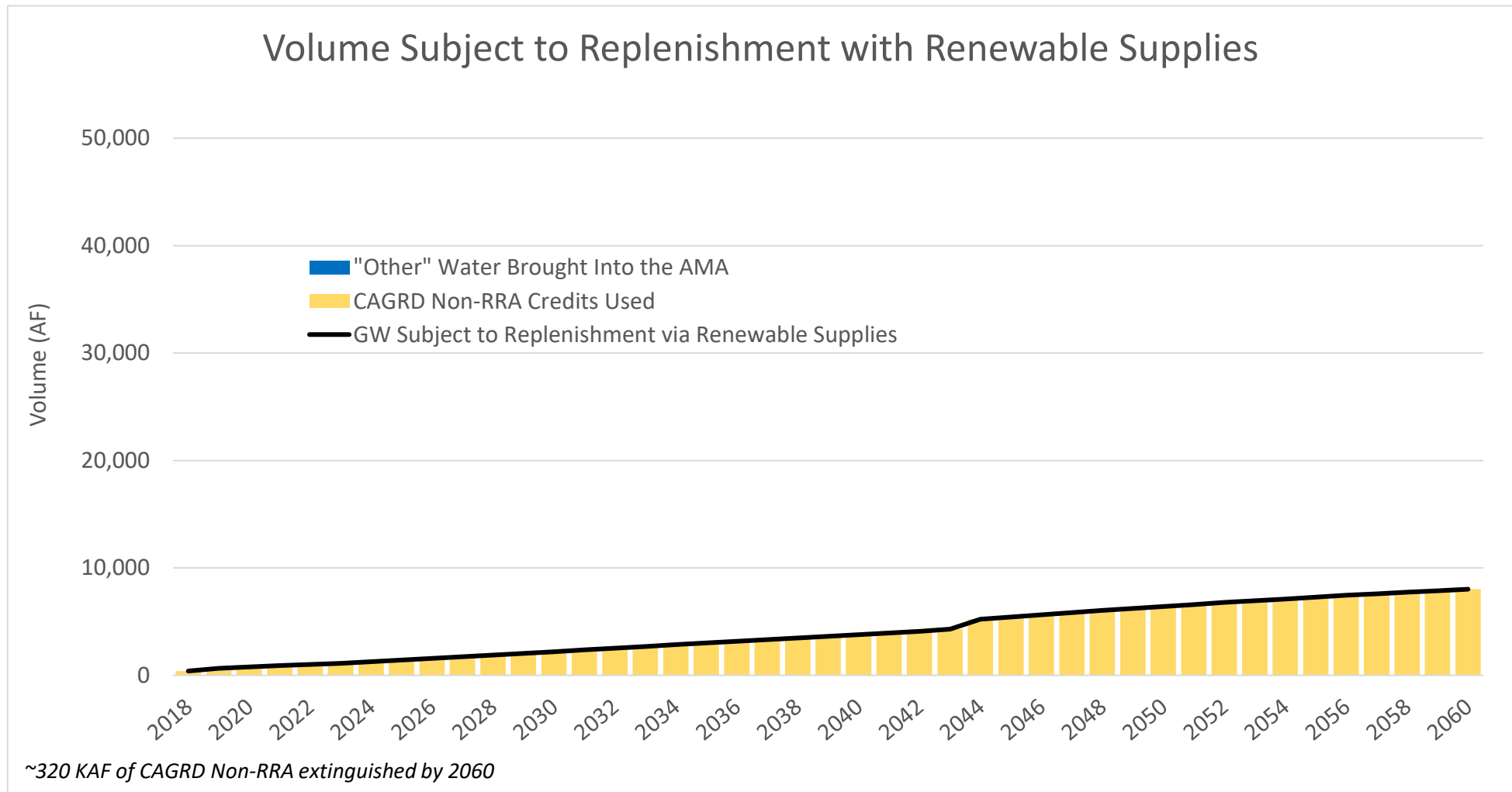
Effluent Production

Date	Eloy	Florence	AZWC	Casa Grande	Global Water	Johnson Utilities	Picaco WC	Total
2018	427	707	6,362	0	665	393	100	8,655
2019	431	720	6,411	0	676	421	104	8,764
2020	436	738	6,481	0	692	462	110	8,918
2021	443	755	6,558	0	709	501	115	9,081
2022	462	771	6,673	0	724	535	122	9,287
2023	492	784	6,820	0	740	564	130	9,530
2024	522	798	6,972	0	756	594	139	9,780
2025	551	811	7,119	0	771	623	147	10,022
2026	580	824	7,266	0	787	653	155	10,265
2027	609	838	7,413	0	802	682	163	10,507
2028	639	851	7,562	0	818	712	171	10,753
2029	667	864	7,704	0	833	740	179	10,986
2030	696	876	7,848	0	848	768	187	11,224
2031	725	887	7,995	0	863	798	197	11,465
2032	755	898	8,147	0	880	828	207	11,714
2033	783	907	8,288	0	895	856	216	11,945
2034	812	917	8,433	0	910	884	226	12,182
2035	841	926	8,576	0	926	913	236	12,417
2036	872	937	8,732	0	942	944	246	12,672
2037	900	946	8,874	0	958	972	255	12,906
2038	930	957	9,023	0	974	1,002	265	13,150
2039	959	967	9,172	0	990	1,032	275	13,394
2040	990	978	9,328	0	1,006	1,063	285	13,651
2041	1,020	992	9,522	0	1,027	1,094	296	13,952
2042	1,050	1,008	9,745	0	1,049	1,127	307	14,287
2043	1,080	1,023	9,970	0	1,072	1,161	319	14,624
2044	1,111	1,039	10,205	0	1,096	1,196	332	14,979
2045	1,138	1,054	10,421	0	1,117	1,227	343	15,300
2046	1,168	1,069	10,646	0	1,140	1,260	355	15,638
2047	1,197	1,085	10,872	0	1,163	1,293	366	15,976
2048	1,228	1,102	11,110	0	1,187	1,328	379	16,334
2049	1,255	1,116	11,325	0	1,209	1,359	390	16,653
2050	1,284	1,132	11,551	0	1,231	1,392	401	16,992
2051	1,314	1,148	11,777	0	1,254	1,425	413	17,331
2052	1,345	1,165	12,018	0	1,279	1,460	425	17,692
2053	1,372	1,180	12,231	0	1,300	1,490	436	18,010
2054	1,401	1,196	12,458	0	1,323	1,523	447	18,349
2055	1,430	1,212	12,686	0	1,346	1,556	459	18,689
2056	1,462	1,229	12,928	0	1,371	1,592	471	19,054
2057	1,489	1,245	13,148	0	1,393	1,622	480	19,375
2058	1,517	1,261	13,391	0	1,416	1,654	487	19,727
2059	1,546	1,278	13,635	0	1,440	1,687	493	20,079
2060	1,578	1,295	13,896	0	1,466	1,723	501	20,459

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 2010 to 2015 plus additional DCP pumping capacity. Pairwise comparison to Scenario E.



F. Lowest Demand, Historic [EMSB]

AWS Replenishment

Date	GW Subject to AWS Rules	CAGR Non-RRA LTSCs Used	Other Water
2018	402	402	0
2019	664	664	0
2020	790	790	0
2021	899	899	0
2022	1,006	1,006	0
2023	1,127	1,127	0
2024	1,274	1,274	0
2025	1,414	1,414	0
2026	1,571	1,571	0
2027	1,725	1,725	0
2028	1,888	1,888	0
2029	2,041	2,041	0
2030	2,200	2,200	0
2031	2,362	2,362	0
2032	2,534	2,534	0
2033	2,693	2,693	0
2034	2,854	2,854	0
2035	3,012	3,012	0
2036	3,176	3,176	0
2037	3,324	3,324	0
2038	3,477	3,477	0
2039	3,625	3,625	0
2040	3,776	3,776	0
2041	3,930	3,930	0
2042	4,101	4,101	0
2043	4,309	4,309	0
2044	5,236	5,236	0
2045	5,430	5,430	0
2046	5,637	5,637	0
2047	5,836	5,836	0
2048	6,045	6,045	0
2049	6,219	6,219	0
2050	6,408	6,408	0
2051	6,589	6,589	0
2052	6,781	6,781	0
2053	6,936	6,936	0
2054	7,107	7,107	0
2055	7,271	7,271	0
2056	7,446	7,446	0
2057	7,583	7,583	0
2058	7,728	7,728	0
2059	7,866	7,866	0
2060	8,017	8,017	0