

# Alternative 2

## Schedule A

Districts Receiving '87 Allocation	Alternative 2							
Districts Not Receiving '87 Allocation	Schedule A							
Cities/Towns (Own Elec System) Receiving '87 Allocation	Schedule A Capacity (190.869 MW)							
Cities/Towns (Own Elec System) Not Receiving '87 Allocation	Status Quo							
Co-operatives	Formula= Current MW * 1.01 for capacity, MW allocation/190.869 * 613689 for energy							
Other Eligible	Alternative 2 - Schedule A remains status quo except for ED7 and Ocotillo WCD. These 2 entities fail the Federal Resource test. Their allocation is capped at the maximum they can receive to pass the test. The 3.437MW and its associated energy is redistributed to the remaining 22 entities in Schedule A equally with each entity receiving an additional .156227 MW of capacity and 502.016 MWh of energy. All entities that passed the Federal Resource test and currently receiving Hoover power under the 1987 allocation are allocated the same in 2017 with a 1% capacity increase and a 5% energy decrease.							
Cities/Towns (Do Not Own Elec System)	Total Normalized Loads	Federal Resource Test Needs (MW) 2017 Maximum Allocation	1987 Allocation Schedule A Capacity (MW)	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Capacity (MW) Allocation	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Military Installations								
Spreadsheet Description								
Aguila Irrigation District	7.839	7.839	2.450	8,389	2.630	8,456.853	0.180	67.853
Avra Valley I&DD	1.822	1.822	0.630	2,168	0.792	2,547.249	0.162	379.249
Buckeye WC District	7.949	7.949	2.980	10,201	3.166	10,177.782	0.186	(23.218)
Central Arizona Water Conservation & Drainage District			-	-	-	-	-	-
Chandler Heights ID	1.562	1.190	0.930	3,164	1.095	3,521.360	0.165	357.360
Cortaro Marana ID	7.191	7.191	6.440	22,003	6.660	21,412.524	0.220	(590.476)
ED 2	63.540	54.154	19.450	66,473	19.799	63,656.454	0.349	(2,816.546)
ED 3 Pinal (inc ED1)	218.046	204.855	15.900	54,351	16.213	52,129.478	0.313	(2,221.522)
ED 4 Pinal	56.024	51.470	19.450	66,473	19.799	63,656.454	0.349	(2,816.546)
ED 5 Pinal	27.308	24.566	14.770	50,476	15.072	48,460.328	0.302	(2,015.672)
ED 6 Pinal (Inc ED5 M)	36.320	29.327	8.360	28,579	8.599	27,646.832	0.239	(932.168)
ED 7 Maricopa	12.344	7.873	10.500	35,902	7.873	25,313.558	(2.627)	(10,588.442)
ED 8 Maricopa	67.467	67.467	13.390	45,749	13.679	43,979.420	0.289	(1,769.580)
Harquahala Valley Power Dist	27.691	27.691	2.490	8,495	2.671	8,586.735	0.181	91.735
Maricopa Co. Mun. WCD	23.202	17.856	8.840	30,215	9.084	29,205.409	0.244	(1,009.591)
McMullen Valley WCDD	17.761	17.761	3.800	12,974	3.994	12,840.351	0.194	(133.649)
Ocotillo WCD	2.793	1.712	2.390	8,175	1.712	5,504.485	(0.678)	(2,670.515)
Queen Creek ID	11.901	10.146	1.770	6,043	1.944	6,248.869	0.174	205.869
Roosevelt ID	17.577	12.701	3.220	11,020	3.408	10,957.070	0.188	(62.930)
Roosevelt WCD	11.994	9.795	6.760	23,106	6.983	22,451.576	0.223	(654.424)
Salt River Project	6663.000	6535.519	38.790	132,589	39.330	126,454.117	0.540	(6,134.883)
San Tan ID	2.158	1.338	0.520	1,777	0.681	2,190.075	0.161	413.075
Silverbell I&DD	1.257	1.257	0.710	2,417	0.873	2,807.012	0.163	390.012
Tonopah Irrigation District	10.077	10.077	1.550	5,297	1.722	5,534.522	0.172	237.522
Wellton-Mohawk ID	14.870	11.655	2.910	9,953	3.095	9,950.490	0.185	(2.510)
				189.000	645,989	190.874	613,689	

# Alternative 2

## Schedule B

Spreadsheet Description	Schedule B Capacity (189.860 MW)							
<p>Alternative 2 - Schedule B remains status quo. All entities currently receiving Hoover power under the 1987 allocation are allocated the same in 2017 with a 1% capacity increase and a 5% energy decrease for both schedules.</p>	Status Quo							
	Formula= Current MW * 1.01 for capacity, MW allocation/190.869 * 613689 for energy							
	Total Normalized Loads	Federal Resource Test Needs (MW) 2017 Maximum Allocation	1987 Allocation Schedule B Capacity (MW)	1987 Allocation Schedule B Energy (MWh)	Anticipated 2017 Schedule B Capacity (MW) Allocation	Anticipated 2017 Schedule B Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Aguila Irrigation District	7.839	7.839	3.84	4,327	3.88	4,113.691	0.038	(213.309)
Avra Valley I&DD			-	-	-	-	-	-
Buckeye WC District			-	-	-	-	-	-
Central Arizona Water Conservation & Drainage District	484.545	484.545	161.60	182,235	163.20	173,117.849	1.598	(9,117.151)
Chandler Heights ID			-	-	-	-	-	-
Cortaro Marana ID			-	-	-	-	-	-
ED 2			-	-	-	-	-	-
ED 3 Pinal (inc ED1)			-	-	-	-	-	-
ED 4 Pinal			-	-	-	-	-	-
ED 5 Pinal			-	-	-	-	-	-
ED 6 Pinal (Inc ED5 M)			-	-	-	-	-	-
ED 7 Maricopa			-	-	-	-	-	-
ED 8 Maricopa	67.467	67.467	10.81	12,185	10.92	11,580.470	0.107	(604.530)
Harquahala Valley Power Dist			-	-	-	-	-	-
Maricopa Co. Mun. WCD			-	-	-	-	-	-
McMullen Valley WCDD	17.761	17.761	5.29	5,970	5.34	5,667.039	0.052	(302.961)
Ocotillo WCD			-	-	-	-	-	-
Queen Creek ID			-	-	-	-	-	-
Roosevelt ID			-	-	-	-	-	-
Roosevelt WCD			-	-	-	-	-	-
Salt River Project			-	-	-	-	-	-
San Tan ID			-	-	-	-	-	-
Silverbell I&DD			-	-	-	-	-	-
Tonopah Irrigation District			-	-	-	-	-	-
Wellton-Mohawk ID			-	-	-	-	-	-
Page - Own System & Operating	16.805	4.868	1.04	1,173	1.05	1,114.125	0.010	(58.875)
Safford - OSO	19.797	18.656	2.08	2,345	2.10	2,228.250	0.021	(116.750)
Thatcher - OSO	7.020	5.503	1.05	1,185	1.06	1,124.938	0.010	(60.062)
Wickenburg - OSO	7.213	5.213	2.29	2,580	2.31	2,453.217	0.023	(126.783)

188,000      212,000      189,860      201,400

Districts Receiving '87 Allocation
Districts Not Receiving '87 Allocation
Cities/Towns (Own Elec System) Receiving '87 Allocation
Cities/Towns (Own Elec System) Not Receiving '87 Allocation
Co-operatives
Other Eligible
Cities/Towns (Do Not Own Elec System)
Military Installations

# Alternative 2

## Schedule D2/A

Spreadsheet Description	Schedule D2/A Capacity (8.542 MW)						
<p>Alternative 2 - Schedule D2/A lists all entities that are not currently receiving Schedule A or B and have provided data. Districts have first priority. Total district requests are less than the 8.542MW total of Schedule D2/A therefore all districts receive their requested allotment. The remaining entities 5 year average Normalized loads are totaled and the Federal Resources they currently receive are subtracted. Each entities load is equal to a percentage of the total load. This percentage is applied to the remaining D2/A allotment of 4.294MW to determine their allotment. If the allotment is less than the 0.1MW minimum they are moved to Schedule D2/B. The remaining entities in D2/A have the load retotaled, the percentage recalculated and applied to the remaining allotment pool to determine their capacity and energy allotment for 2017.</p>	New Entities						
	Formula= 5 Year Load Avg/Total 5 Year Load*8.542 To determine Capacity Allocation (0.1MW Minimum Allocation),						
	5 Yr Avg Normalized Load (MW)	Federal Resource Test Needs (MW) 2017 Maximum Allocation	% of Total 5 Yr Avg Load	2017 Schedule D1 Capacity Allocation (MW)	2017 Schedule D1 Energy Allocation (MWh)	Anticipated 2017 Schedule D2/A Capacity (MW)	Anticipated 2017 Schedule D2/A Energy (MWh)
Hohokam IDD	1.500	0.500			0.500	1,220.848	
Markham Irrigation District	0.220	0.220			0.220	537.173	
Franklin Irrigation District	0.567	0.567			0.567	1,384.442	
Silver Creek Irrigation District	0.468	0.468			0.468	1,142.714	
Gila Valley Irrigation District	2.493	2.493			2.493	6,087.150	
Fredonia OSO							
Mesa (inc AzPPA share)	83.110	68.419	8.60%		0.369	901.548	
Williams							
Avra Water Cooperative							
Duncan Valley EC							
Graham County EC	43.543	43.231	5.43%	0.312	681.163	569.652	
Mohave EC	199.257	198.112	24.90%	1.145	2,499.781	2,610.491	
Navopache EC	80.339	72.451	9.11%	0.888	1,938.695	954.677	
Sulphur Springs EC	199.243	196.512	24.70%	2.731	5,962.361	2,589.408	
TRICO EC	168.878	165.878	20.85%	3.000	6,549.646	2,185.758	
Chandler - City							
Gilbert							
Glendale - City							
Peoria - Town							
Scottsdale - City	34.697	32.331	4.06%	2.366	5,165.487	426.019	
Tempe - City							
Tucson - City	20.000	18.752	2.36%	1.248	2,724.653	247.093	
Oro Valley - Town							
Page Water Utility							
Hualapai Tribe							
Metropolitan Domestic Water ID							
	829.067	795.686	1.000	11.690	25,521.786	8.542	20,856.975

# Alternative 2

## Schedule D2/B

Districts Receiving '87 Allocation	Alternative 2 Schedule D2/B						
Districts Not Receiving '87 Allocation							
Cities/Towns (Own Elec System) Receiving '87 Allocation	Schedule D2/B Capacity (2.968 MW)						
Cities/Towns (Own Elec System) Not Receiving '87 Allocation							
Co-operatives	New Entities						
Other Eligible							
Cities/Towns (Do Not Own Elec System)	Formula= 5 Year Load Avg/Total 5 Year Load*2.968 To determine Capacity Allocation (0.1MW Minimum)						
Military Installations							
Spreadsheet Description	Schedule D2/B Capacity (2.968 MW)						
<p>Alternative 2 - Schedule D2/B lists all entities that are not currently receiving Schedule A, B, or D2/A and have provided data. The entities 5 year average Normalized loads are totaled and the Federal Resources they currently receive are subtracted. Each entities load is equal to a percentage of the total load. This percentage is applied to the D2/B allotment of 2.968MW to determine their 2017 allotment. 5 Entities did not meet the 0.1MW minimum allotment. 6 of the remaining entities were decreased by 0.049MW and this amount was used to correct this issue.</p>	5 Yr Avg Normalized Load (MW)	Federal Resource Test Needs (MW) 2017 Maximum Allocation	% of Total 5 Yr Avg Load	2017 Schedule D1 Capacity Allocation (MW)	2017 Schedule D1 Energy Allocation (MWh)	Anticipated 2017 Schedule D2/B Capacity (MW)	Anticipated 2017 Schedule D2/B Energy (MWh)
	Hohokam IDD						
Markham Irrigation District							
Franklin Irrigation District							
Silver Creek Irrigation District							
Gila Valley Irrigation District							
Fredonia OSO	2.684	0.684	1.08%			0.100	143.397
Mesa (inc AzPPA share)							
Williams	8.169	7.169	11.29%			0.285	409.239
Avra Water Cooperative	0.563	0.563	0.89%			0.100	143.397
Duncan Valley EC	7.354	7.354	11.59%			0.294	421.656
Graham County EC							
Mohave EC							
Navopache EC							
Sulphur Springs EC							
TRICO EC							
Chandler - City	13.478	12.802	20.17%	0.676	1,475.854	0.549	786.619
Gilbert	3.470	2.470	3.89%			0.115	165.598
Glendale - City	8.726	8.300	13.07%	0.426	930.050	0.338	485.052
Peoria - Town	13.266	12.575	19.81%	0.691	1,508.602	0.538	771.400
Scottsdale - City							
Tempe - City	5.943	5.702	8.98%	0.241	526.155	0.218	312.033
Tucson - City							
Oro Valley - Town	2.796	2.796	4.40%			0.131	187.441
Page Water Utility	0.750	0.750	1.18%			0.100	143.397
Hualapai Tribe	3.000	1.994	3.14%	0.381	831.805	0.100	143.397
Metropolitan Domestic Water ID	0.500	0.321	0.51%	0.179	390.796	0.100	143.397
	70.700	63.481	1.000	2.594	5,663.262	2.968	4,256.025