

# Alternative 3

## Schedule A

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

**Spreadsheet Description**

Alternative 3 - 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 reduced from these 2 entities is redistributed to the new districts who are moved into Schedule A. ED7's and Ocotillo's Energy is reduced by the same percentage as their Capacity is reduced. This energy is redistributed to the new districts. All entities that passed the Federal Resource test and are currently receiving Hoover power under the 1987 allocation are allocated the same in 2017 with a 1% capacity increase and a 5% energy decrease.

**Schedule A Capacity (190.869 MW)**

New Districts to Sched A, ED7 and Ocotillo reduced Capacity and Energy and Redistributed to new districts.

Formula= Current MW \* 1.01 Current MWh \* 0.95

	5 Yr Avg Normalized Load (MW)	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
Aguila Irrigation District	7.839	7.839	2.450	8,389	2.474	7,955.237	0.024	(433.763)
Avra Valley I&DD	1.822	1.822	0.630	2,168	0.636	2,045.632	0.006	(122.368)
Buckeye WC District	7.949	7.949	2.980	10,201	3.009	9,676.165	0.029	(524.835)
Central Arizona Water Conservation & Drainage District			-	-	-	-	-	-
Chandler Heights ID	1.562	1.190	0.930	3,164	0.939	3,019.743	0.009	(144.257)
Cortaro Marana ID	7.191	7.191	6.440	22,003	6.504	20,910.907	0.064	(1,092.093)
ED 2	63.540	54.154	19.450	66,473	19.642	63,154.837	0.192	(3,318.163)
ED 3 Pinal (inc ED1)	218.046	204.855	15.900	54,351	16.057	51,627.862	0.157	(2,723.138)
ED 4 Pinal	56.024	51.470	19.450	66,473	19.642	63,154.837	0.192	(3,318.163)
ED 5 Pinal	27.308	24.566	14.770	50,476	14.916	47,958.712	0.146	(2,517.288)
ED 6 Pinal (Inc ED5 M)	36.320	29.327	8.360	28,579	8.443	27,145.215	0.083	(1,433.785)
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	13.522	43,477.803	0.132	(2,271.197)
Harquahala Valley Power Dist	27.691	27.691	2.490	8,495	2.515	8,085.518	0.025	(409.482)
Maricopa Co. Mun. WCD	23.202	17.856	8.840	30,215	8.927	28,703.792	0.087	(1,511.208)
McMullen Valley WCDD	17.761	17.761	3.800	12,974	3.838	12,338.734	0.038	(635.266)
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	1.788	5,747.253	0.018	(295.747)
Roosevelt ID	17.577	12.701	3.220	11,020	3.252	10,455.454	0.032	(564.546)
Roosevelt WCD	18.401	16.202	6.760	23,106	6.827	21,949.959	0.067	(1,156.041)
Salt River Project	6,663.000	6,535.519	38.790	132,589	39.174	125,952.500	0.384	(6,636.500)
San Tan ID	2.158	1.338	0.520	1,777	0.525	1,688.458	0.005	(88.542)
Silverbell I&DD	1.257	1.257	0.710	2,417	0.717	2,305.395	0.007	(111.605)
Tonopah Irrigation District	10.077	10.077	1.550	5,297	1.565	5,032.905	0.015	(264.095)
Wellton-Mohawk ID	14.870	11.655	2.910	9,953	2.939	9,448.873	0.029	(504.127)
Hohokam IDD	1.500	0.500			0.500	1,607.618		
Markham Irrigation District	0.220	0.220			0.171	549.805		
Franklin Irrigation District	0.567	0.567			0.443	1,424.350		
Silver Creek Irrigation District	0.468	0.468			0.366	1,176.777		
Gila Valley Irrigation District	2.493	2.493			1.952	6,276.142		

7323.3468

189.000

645989

190.869

613689

Districts Receiving '87 Allocation	<h1 style="text-align: center;">Alternative 3</h1> <h2 style="text-align: center;">Schedule B</h2>					
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						
Spreadsheet Description	Schedule B Capacity (189.860 MW)					
<p>Alternative 3 – Schedule B remains status quo for all entities currently receiving a Hoover allocation. Each entity receives an increase to their capacity of 1% and a 5% decrease to their energy allocation for 2017.</p>	Status Quo					
	Formula= Current MW * 1.01    Current MWh * 0.95					
	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	3.84	4,327	3.88	4,113.691	0.038	(213.31)
Avra Valley I&DD	-	-	-	-	-	-
Buckeye WC District	-	-	-	-	-	-
Central Arizona Water Conservation & Drainage District	161.60	182,235	163.20	173,117.849	1.598	(9,117.15)
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	10.81	12,185	10.92	11,580.470	0.107	(604.53)
Harquahala Valley Power Dist	-	-	-	-	-	-
Maricopa Co. Mun. WCD	-	-	-	-	-	-
McMullen Valley WCDD	5.29	5,970	5.34	5,667.039	0.052	(302.96)
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	1.04	1,173	1.05	1,114.225	0.010	(58.78)
Safford - OSO	2.08	2,345	2.10	2,228.250	0.021	(116.75)
Thatcher - OSO	1.05	1,185	1.06	1,124.838	0.010	(60.16)
Wickenburg - OSO	2.29	2,580	2.31	2,453.217	0.023	(126.78)

188.000      212,000      189.860      201,400

# Alternative 3

## Schedule D2/A

Districts Receiving '87 Allocation	<h1>Alternative 3</h1> <h2>Schedule D2/A</h2>
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	

Spreadsheet Description	Schedule D2/A Capacity (8.542 MW)
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Alternative 3 - Schedule D2/A lists all entities that are not currently receiving or scheduled to receive Schedule A or B and have provided data. Districts have first priority but all new Districts have been moved into Schedule A. The remaining entities 5 year average needs (loads + pumping equivalent - Federal resources other than Hoover) are totaled. Each entities need is equal to a percentage of the total need. This percentage is applied to the D2/A allotment of 8.542MW 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 need retotaled, the percentage recalculated and applied to the allotment pool to determine their capacity and energy allotment for 2017.

New Entities

Formula= 5 Year Load Avg. + 5 Year Pumping Equivalent Avg. - Federal Resources other than Hoover/ Total Need \*  
Available Capacity = 2017 Capacity Allocation (\* Available Energy = 2017 Energy Allocation)

	5 Yr Avg Normalized Load (MW)	Federal Resource Test Needs (MW) 2017 Maximum Allocation	% of Total 5 Yr Avg Need	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)
Fredonia OSO							
Mesa (inc AzPPA share)	83.110	68.419	9.53%			0.814	1,988.675
Williams							
Avra Water Cooperative							
Duncan Valley EC							
Graham County EC	43.543	43.231	5.00%	0.312	681.163	0.427	1,041.912
Mohave EC	199.257	198.112	22.86%	1.145	2,499.781	1.953	4,767.857
Navopache EC	80.339	72.451	9.22%	0.888	1,938.695	0.787	1,922.370
Sulphur Springs EC	199.243	196.512	22.86%	2.731	5,962.361	1.953	4,767.522
TRICO EC	168.878	165.878	19.37%	3.000	6,549.646	1.655	4,040.961
Chandler - City	13.478	12.802	1.55%	0.676	1,475.854	0.132	322.505
Gilbert							
Glendale - City	14.996	14.570	1.72%	0.426	930.050	0.147	358.828
Peoria - Town	14.107	13.416	1.62%	0.691	1,508.602	0.138	337.548
Scottsdale - City	34.697	32.331	3.98%	2.366	5,165.487	0.340	830.233
Tempe - City							
Tucson - City	20.000	18.752	2.29%	1.248	2,724.653	0.196	478.565
Oro Valley - Town							
Page Water Utility							
Hualapai Tribe							
Metropolitan Domestic Water ID							

871.647      836.473      1.000      13.483      29,436.292      8.542      20,856.975

# Alternative 3

## Schedule D2/B

Districts Receiving '87 Allocation	<h1>Alternative 3</h1> <h2>Schedule D2/B</h2>
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	

Spreadsheet Description	Schedule D2/B Capacity (2.968 MW)
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New Entities

Alternative 3 - 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 needs (Loads + pumping equivalent - Federal resources other than Hoover) are totaled. Each entities need is equal to a percentage of the total need. This percentage is applied to the D2/B allotment of 2.968MW to determine their 2017 allotment. 3 entities did not meet the 0.1MW minimum allotment, Page Water Utility, Avra Water Co-op, and Metropolitan DWID. Each of the remaining 7 entities were reduced by .021 MW and the resulting pool was used to bring Page Water Utility, Avra, and Metropolitan up to 0.1MW.

Formula= 5 Year Avg Norm Loads - Fed Resources other than Hoover = Max Hoover Allocation. % of Total 5 Yr Avg Norm Load \* Avail Capacity = 2017 Allocation (\* Avail Energy = 2017 Allocation)

	5 Yr Avg Normalized Load (MW)	Federal Resource Test Needs (MW) 2017 Maximum Allocation	% of Total 5 Yr Avg Normalized 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)
Fredonia OSO	2.684	0.684	7.62%			0.205	294.130
Mesa (inc AzPPA share)							
Williams	8.169	7.169	23.19%			0.667	956.473
Avra Water Cooperative	0.563	0.563	1.60%			0.100	143.397
Duncan Valley EC	7.354	7.354	20.88%			0.599	858.343
Graham County EC							
Mohave EC							
Navopache EC							
Sulphur Springs EC							
TRICO EC							
Chandler - City							
Gilbert	3.470	2.470	9.85%			0.271	389.084
Glendale - City							
Peoria - Town							
Scottsdale - City							
Tempe - City	5.943	5.702	16.87%	0.241	526.155	0.480	687.862
Tucson - City							
Oro Valley - Town	2.796	2.796	7.94%			0.215	307.636
Page Water Utility	0.750	0.750	2.13%			0.100	143.397
Hualapai Tribe	3.000	1.994	8.52%	0.381	831.805	0.232	332.305
Metropolitan Domestic Water ID	0.500	0.321	1.42%	0.179	390.796	0.100	143.397

35.230      29.804      1.000      0.801      1,748.756      2.968      4,256.025