

Alternative 5

Schedule A

Districts Receiving '87 Allocation	<div style="text-align: center;"> <h1>Alternative 5</h1> <h2>Schedule A</h2> </div>							
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 A Capacity (190.869 MW)							
<p>Alternative 5 - Aguila ID releases their Schedule B and receives the excess from ED7 and Ocotillo WCD in return. Schedule A remains status quo for the remaining entities. The remaining entities are allocated the same in 2017 with a 1% capacity increase and a 5% energy decrease.</p>	Status Quo							
	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	5,906	18,989.929	3.456	10,600.929
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	8,085.118	0.025	(409.882)
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	6663.000	6535.519	38.790	132,589	39.174	125,953.375	0.384	(6,635.625)
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)

189.000 645,989 190.869 613,689

Alternative 5

Schedule B

Districts Receiving '87 Allocation	Alternative 5								
Districts Not Receiving '87 Allocation	Schedule B								
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)								
	Status Quo								
	Formula Districts= Current MW * 1.01 for capacity, 2017 MW Allocation/189.86 * 201,400 for energy. Formula Cities= Federal Resource Test Needs/Total Need * 10.4 for Capacity, 2017 MW Allocation/189.86 * 201,400 for Energy.								
Alternative 5 - Aguila ID is moved to Schedule A. The 3.88MW that would have been allocated to Aguila is used as a pool to be divided by the cities in Schedule B based on their need. All other entities in Schedule B receive a 1% increase in Capacity and a 5% decrease in Energy.	5 Yr Avg Normalized Load (MW)	Federal Resource Test Needs (MW) 2017 Maximum Allocation	Percentage of Overall Need	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				3.840	4,327	-	-	(3.840)	(4,327.000)
Avra Valley I&DD				-	-	-	-	-	-
Buckeye WC District				-	-	-	-	-	-
Central Arizona Water Conservation & Drainage District		484.545		161.600	182,235	163.198	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		10.810	12,185	10.917	11,580.470	0.107	(604.530)
Harquahala Valley Power Dist				-	-	-	-	-	-
Maricopa Co. Mun. WCD				-	-	-	-	-	-
McMullen Valley WCDD	17.761	17.761		5.290	5,970	5.342	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	26.405	14.468	33.00%	1.040	1,173	3.432	3,641.139	2.392	2,468.139
Safford - OSO	19.797	18.656	42.55%	2.080	2,345	4.426	4,694.572	2.346	2,349.572
Thatcher - OSO	7.020	5.503	12.55%	1.050	1,185	1.305	1,385.049	0.255	200.049
Wickenburg - OSO	7.213	5.213	11.89%	2.290	2,580	1.239	1,313.993	(1.051)	(1,266.007)

60.435 43.840 1.000 188.000 212,000 189.860 201,400

Districts Receiving '87 Allocation	<h1 style="margin: 0;">Alternative 5</h1> <h2 style="margin: 0;">Schedule D2 (Bring all entities to Minimum 0.100MW)</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 Capacity = 11.510 MW								
<p>Alternative 5 - Schedule D2 is allocated at the full capacity of 11.510MW. All new entities are included. Districts have first priority. Total district requests are less than the 11.510MW total of Schedule D2 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 allotment of 7.262MW to determine their allotment of capacity. Their allotment is divided by 7.262 and multiplied by 15,844.536 to determine their energy allotment for 2017.</p>	All New Entities, Districts 1st Preference								
	Formula for Non-Districts = 5 Year Load Avg/Total 5 Year Load*7.262 To determine Capacity Allocation, Capacity Allocation/7.262 * 15,844.536(MWh) to determine Energy 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 Capacity (MW)	Anticipated 2017 Schedule D2 Energy (MWh)	Group Totals MW	Group Totals (MWh)
Hohokam IDD	1.500	0.500			0.500	1,090.921	4.248	9,268.464	
Markham Irrigation District	0.220	0.220			0.220	480.005			
Franklin Irrigation District	0.567	0.567			0.567	1,237.104			
Silver Creek Irrigation District	0.468	0.468			0.468	1,021.102			
Gila Valley Irrigation District	2.493	2.493			2.493	5,439.332	0.624	1,360.501	
Fredonia OSO	2.684	0.684	0.08%		0.100	218.184			
Mesa (inc AzPPA share)	83.110	68.419	7.90%		0.424	924.133			
Williams	8.169	7.169	0.83%		0.100	218.184			
Avra Water Cooperative	0.563	0.563	0.07%		0.100	218.184	5.268	11,494.915	
Duncan Valley EC	7.354	7.354	0.85%		0.100	218.184			
Graham County EC	43.543	43.231	4.99%	0.312	681.163	0.362			790.715
Mohave EC	199.257	198.112	22.87%	1.145	2,499.781	1.511			3,296.258
Navopache EC	80.339	72.451	8.36%	0.888	1,938.695	0.457	997.879	1.170	2,553.082
Sulphur Springs EC	199.243	196.512	22.68%	2.731	5,962.361	1.497	3,266.994		
TRICO EC	168.878	165.878	19.15%	3.000	6,549.646	1.241	2,706.701		
Chandler - City	13.478	12.802	1.48%	0.676	1,475.854	0.107	234.153		
Gilbert	3.470	2.470	0.29%			0.100	218.184	0.100	218.184
Glendale - City	14.996	14.570	1.68%	0.426	930.050	0.122	266.491		
Peoria - Town	14.107	13.416	1.55%	0.691	1,508.602	0.112	245.378		
Scottsdale - City	34.697	32.331	3.73%	2.366	5,165.487	0.271	591.342		
Tempe - City	5.943	5.702	0.66%	0.241	526.155	0.100	218.184	0.100	218.184
Tucson - City	20.000	18.752	2.16%	1.248	2,724.653	0.157	342.981		
Oro Valley - Town	2.796	2.796	0.32%			0.100	218.184		
Page Water Utility	0.750	0.750	0.09%			0.100	218.184		
Hualapai Tribe	3.000	1.994	0.23%	0.381	831.805	0.100	218.184	0.100	218.184
Metropolitan Domestic Water ID	0.500	0.321	0.04%	0.179	390.796	0.100	218.184		

906.877 866.277 1.000 14.284 31,185.048 7.262 25,113 11.510 25,113.331

Total MW Needed to Bring All Entities to the Minimum Allocation of 0.1MW = 0.749

Districts Receiving '87 Allocation	<h1 style="text-align: center;">Alternative 5</h1> <h2 style="text-align: center;">Schedule D2 (All entities not meeting minimum allocation 0.100MW removed)</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)	Schedule D2 Capacity = 11.510 MW									
Military Installations	All New Entities, Districts 1st Preference									
Spreadsheet Description	Formula for Non-Districts = 5 Year Load Avg/Total 5 Year Load*7.262 To determine Capacity Allocation, Capacity Allocation/7.262 * 15,844.536(MWh) to determine Energy Allocation									
<p>Alternative 5 - Schedule D2 is allocated at the full capacity of 11.510MW. All new entities are included. Districts have first priority. Total district requests are less than the 11.510MW total of Schedule D2 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 allotment of 7.262MW to determine their allotment of capacity. Their allotment is divided by 7.262 and multiplied by 15,844.536 to determine their energy allotment for 2017.</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 Capacity (MW)	Anticipated 2017 Schedule D2 Energy (MWh)	Group Totals MW	Group Totals (MWh)	
	Hohokam IDD	1.500	0.500				0.500	1,090.921	4.248	9,268.464
	Markham Irrigation District	0.220	0.220				0.220	480.005		
	Franklin Irrigation District	0.567	0.567				0.567	1,237.104		
	Silver Creek Irrigation District	0.468	0.468				0.468	1,021.102		
	Gila Valley Irrigation District	2.493	2.493				2.493	5,439.332		
	Fredonia OSO								0.594	1,295.998
	Mesa (inc AzPPA share)	83.110	68.419	8.18%			0.594	1,295.998		
	Williams								5.870	12,808.321
	Avra Water Cooperative									
	Duncan Valley EC									
	Graham County EC	43.543	43.231	5.17%	0.312	681.163	0.375	818.888		
	Mohave EC	199.257	198.112	23.68%	1.145	2,499.781	1.720	3,752.644		
	Navopache EC	80.339	72.451	8.66%	0.888	1,938.695	0.629	1,372.372		
	Sulphur Springs EC	199.243	196.512	23.49%	2.731	5,962.361	1.706	3,722.337		
	TRICO EC	168.878	165.878	19.83%	3.000	6,549.646	1.440	3,142.080		
	Chandler - City	13.478	12.802	1.53%	0.676	1,475.854	0.111	242.496	0.798	1,740.217
	Gilbert									
	Glendale - City	14.996	14.570	1.74%	0.426	930.050	0.126	275.986		
	Peoria - Town	14.107	13.416	1.60%	0.691	1,508.602	0.116	254.121		
	Scottsdale - City	34.697	32.331	3.87%	2.366	5,165.487	0.281	612.412		
	Tempe - City									
	Tucson - City	20.000	18.752	2.24%	1.248	2,724.653	0.163	355.202		
Oro Valley - Town										
Page Water Utility										
Hualapai Tribe										
Metropolitan Domestic Water ID										
	871.647	836.473	1.000	13.483	29,436.292	7.262	25,113	11.510	25,113.000	