

HOOVER POST-2017 ALLOCATION

Public Information Workshop

April 7, 2014

WHY METHODOLOGIES?

- Long Term Power Supply Available?
 - Sufficient or Excess to Meet Demand
 - No Allocation
 - Insufficient to Meet Demand
 - Must Be Allocated
 - APA Statutes Guide Process

AVAILABLE RESOURCES

- 392MW Hoover Capacity for 2017
- 840,202MWhr Hoover Energy for 2017
- Actual Deliveries Based on Hoover Availability

ANTICIPATED DEMAND

- **605+ MW of Capacity Anticipated Request Based on Voluntary Data Sheets**
- **1,018,310+ MWhr of Energy Anticipated Request Based on Voluntary Data Sheets**
- **Shortfall of Available Resources to Meet Anticipated Demand for Post 2017 = Forces Methodologies for Allocations**

DEVELOPMENT OF METHODOLOGIES

- Process Began with Voluntary Data Sheets
 - Loads, Resources, Use all from Data Sheets
 - Numbers Provided Were Not Substantiated
 - Needed a Database for Development and Testing
 - Needed Proxy Data to Examine Methodologies for Commissioners
- Actual Allocations Will Be Determined During Formal Process

METHODOLOGIES CONT'D

- All Voluntary Data was Provided by 12/31/13
 - 29 Existing Customers
 - 18 New Entities
 - Most Sheets 100% Complete

METHODOLOGIES CONT'D

- Approximately 70 Original Methodologies Examined
 - Removed Methodologies that Produces “One Winner” Type Results
- Approximately 30 Methodologies Left
 - Removed “Duplicative Results”
 - Kept Most Representative

VETTING PROCESS

- Presented Representative Methodologies to Commissioners for Review
 - Commissioners Provided Methodology Feedback and Additional Methodology Ideas
 - Spreadsheets 1, 2A, 2B, 3A, 3B, 4, 5, and 6

SPREADSHEET 1

- Schedule A and B HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 1

Schedule A

Spreadsheet Description	Schedule A Capacity (190.869 MW)					
Spreadsheet 1 - Schedule A and B remain 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. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.	Status Quo					
	Formula= Current MW * 1.01 Current MWh * 0.95					
	1987 Allocation Schedule A Capacity (MW)	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Capacity (MW)	Anticipated 2017 Schedule A Energy (MWh)	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Aguila Irrigation District	2,450	8,389	2,474	7,969,543	0.024	(419.457)
Avra Valley I&DD	0.630	2,168	0.636	2,059,598	0.006	(108.402)
Buckeye WC District	2,980	10,201	3,009	9,690,941	0.029	(510.059)
Central Arizona Water Conservation & Drainage District	-	-	-	-	-	-
Chandler Heights ID	0.930	3,164	0.939	3,005,797	0.009	(158.203)
Cortaro Marana ID	6,440	22,003	6,504	20,902,831	0.064	(1,100.169)
ED 2	19,450	66,473	19,642	63,149,293	0.192	(3,323.707)
ED 3 Pinal (inc ED1)	15,900	54,351	16,057	51,633,404	0.157	(2,717.596)
ED 4 Pinal	19,450	66,473	19,642	63,149,293	0.192	(3,323.707)
ED 5 Pinal	14,770	50,476	14,916	47,952,157	0.146	(2,523.843)
ED 6 Pinal (Inc ED5 M)	8,360	28,579	8,443	27,150,026	0.083	(1,428.974)
ED 7 Maricopa	10,500	35,902	10,604	34,106,869	0.104	(1,795.131)
ED 8 Maricopa	13,390	45,749	13,522	43,461,511	0.132	(2,287.489)
Harquahala Valley Power Dist	2,490	8,495	2,515	8,070,243	0.025	(424.757)
Maricopa Co. Mun. WCD	8,840	30,215	8,927	28,704,224	0.087	(1,510.776)
McMullen Valley WCDD	3,800	12,974	3,838	12,325,289	0.038	(648.711)
Ocotillo WCD	2,390	8,175	2,414	7,766,243	0.024	(408.757)
Queen Creek ID	1,770	6,043	1,788	5,740,845	0.018	(302.155)
Roosevelt ID	3,220	11,020	3,252	10,468,991	0.032	(551.009)
Roosevelt WCD	6,760	23,106	6,827	21,950,680	0.067	(1,155.320)
Salt River Project	38,790	132,589	39,174	125,959,437	0.384	(6,629.563)
San Tan ID	0.520	1,777	0.525	1,688,148	0.005	(88.852)
Silverbell I&DD	0.710	2,417	0.717	2,296,148	0.007	(120.852)
Tonopah Irrigation District	1,550	5,297	1,565	5,032,145	0.015	(264.855)
Wellton-Mohawk ID	2,910	9,953	2,939	9,455,342	0.029	(497.658)
Hohokam IDD	-	-	-	-	-	-
Page - Own System & Operating	-	-	-	-	-	-
Safford - OSO	-	-	-	-	-	-
Thatcher - OSO	-	-	-	-	-	-
Wickenburg - OSO	-	-	-	-	-	-
Other Eligible Entities (Preference Based)	-	-	-	-	-	-
	189,000	645,989	190,869	613,689		

Spreadsheet 1

Schedule B

Spreadsheet Description	Schedule B Capacity (189.860 MW)					
Spreadsheet 1 - Schedule A and B remain 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. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.	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)	Anticipated 2017 Schedule B Energy (MWh)	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Aguila Irrigation District	3.84	4,327	3.88	4,110.646	0.038	(216.354)
Avra Valley I&DD	-	-	-	-	-	-
Buckeye WC District	-	-	-	-	-	-
Central Arizona Water Conservation & Drainage District	161.60	182,235	163.20	173,123.068	1.598	(9,111.932)
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	11,575.738	0.107	(609.262)
Harquahala Valley Power Dist	-	-	-	-	-	-
Maricopa Co. Mun. WCD	-	-	-	-	-	-
McMullen Valley WCDD	5.29	5,970	5.34	5,671.494	0.052	(298.506)
Ocotillo WCD	-	-	-	-	-	-
Queen Creek ID	-	-	-	-	-	-
Roosevelt ID	-	-	-	-	-	-
Roosevelt WCD	-	-	-	-	-	-
Salt River Project	-	-	-	-	-	-
San Tan ID	-	-	-	-	-	-
Silverbell I&DD	-	-	-	-	-	-
Tonopah Irrigation District	-	-	-	-	-	-
Wellton-Mohawk ID	-	-	-	-	-	-
Hohokam IDD	-	-	-	-	-	-
Page - Own System & Operating	1.04	1,173	1.05	1,114.349	0.010	(58.651)
Safford - OSO	2.08	2,345	2.10	2,227.748	0.021	(117.252)
Thatcher - OSO	1.05	1,185	1.06	1,125.749	0.010	(59.251)
Wickenburg - OSO	2.29	2,580	2.31	2,450.997	0.023	(129.003)
Other Eligible Entities (Preference Based)	-	-	-	-	-	-
	188.000	212,000	189.860	201,400		

SPREADSHEET 2A

- **Schedule A (Entities Other Than SRP)**
 - 5 Year Loads Average (From Data Sheets)
 - Plus In-Lieu Loads Average (From Data Sheets)
 - Equals Total Entity Load
 - Divided By Total Load of All Entities (Except SRP)
 - Equals % of Total Load of All Entities
 - Times Total Available Resource (MW and MWhr) Minus SRP
 - Equals Anticipated 2017 Capacity Allocation

SPREADSHEET 2A – CONT'D

- Schedule B HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 2A

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								
Schedule A Capacity (190.869 MW)								
New Districts to Sched A, Sched A Based on 5 yr load AVG, SRP Status Quo								
Formula= 5 Year Load Avg. / Total Load Avg * Available Capacity = 2017 Capacity Allocation								
5 Yr AVG Load	% of Total AVG Load	1987 Allocation Schedule A Capacity (MW)	Anticipated 2017 Schedule A Capacity (MW) Allocation	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987	
Aguila Irrigation District	7.643	1.39%	2.450	2.102	8,389.000	6,757.741	(0.348)	(1,631.26)
Avra Valley I&DD	1.183	0.21%	0.630	0.325	2,168.000	1,046.150	(0.305)	(1,121.85)
Buckeye WC District	7.198	1.30%	2.980	1.979	10,201.000	6,364.263	(1.001)	(3,836.74)
Central Arizona Water Conservation & Drainage District	-	-	-	-	-	-	-	-
Chandler Heights ID	1.169	0.21%	0.930	0.321	3,164.000	1,033.241	(0.609)	(2,130.76)
Cortaro Marana ID	1.654	0.30%	6.440	0.455	22,003.000	1,462.795	(5.985)	(20,540.21)
ED 2	63.540	11.52%	19.450	17.474	66,473.000	56,183.346	(1.976)	(10,289.65)
ED 3 Pinal (inc ED1)	182.691	33.12%	15.900	50.243	54,351.000	161,539.291	34.343	107,188.29
ED 4 Pinal	42.699	7.74%	19.450	11.743	66,473.000	37,755.609	(7.707)	(28,717.39)
ED 5 Pinal	21.460	3.89%	14.770	5.902	50,476.000	18,975.658	(8.868)	(31,500.34)
ED 6 Pinal (Inc ED5 M)	20.722	3.76%	8.360	5.699	28,579.000	18,322.750	(2.661)	(10,256.25)
ED 7 Maricopa	11.001	1.99%	10.500	3.026	35,902.000	9,727.659	(7.474)	(26,174.34)
ED 8 Maricopa	63.466	11.51%	13.390	17.454	45,749.000	56,118.267	4.064	10,369.27
Harquahala Valley Power Dist	19.163	3.47%	2.490	5.270	8,495.000	16,943.956	2.780	8,448.96
Maricopa Co. Mun. WCD	19.328	3.50%	8.840	5.316	30,215.000	17,090.442	(3.524)	(13,124.56)
McMullen Valley WCDD	16.262	2.95%	3.800	4.472	12,974.000	14,379.364	0.672	1,405.36
Ocotillo WCD	2.821	0.51%	2.390	0.776	8,175.000	2,494.739	(1.614)	(5,680.26)
Queen Creek ID	9.145	1.66%	1.770	2.515	6,043.000	8,086.252	0.745	2,043.25
Roosevelt ID	16.929	3.07%	3.220	4.656	11,020.000	14,969.139	1.436	3,949.14
Roosevelt WCD	16.006	2.90%	6.760	4.402	23,106.000	14,152.591	(2.358)	(8,953.41)
Salt River Project	-	-	38.790	39.174	132,589.000	125,959.437	0.384	(6,629.56)
San Tan ID	1.960	0.36%	0.520	0.539	1,777.000	1,733.071	0.019	(43.93)
Silverbell I&DD	1.257	0.23%	0.710	0.346	2,417.000	1,111.288	(0.364)	(1,305.71)
Tonopah Irrigation District	8.036	1.46%	1.550	2.210	5,297.000	7,105.239	0.660	1,808.24
Wellton-Mohawk ID	14.759	2.68%	2.910	4.059	9,953.000	13,050.381	1.149	3,097.38
Hohokam IDD	1.500	0.27%	-	0.413	-	1,326.330	0.413	1,326.33
Page - Own System & Operating								
Safford - OSO								
Thatcher - OSO								
Wickenburg - OSO								
Other Eligible Entities (Preference Based)								
	551.5929			190.869		613,689	1.8690	(32,300)

SPREADSHEET 2B

- **Schedule A**
 - 5 Year Loads Average (From Data Sheets)
 - Plus In-Lieu Loads Average (From Data Sheets)
 - Equals Total Entity Load
 - Times % of Ag Use (From Data Sheets)
 - Equals Total Entity Ag Load
 - Divided By Total Ag Load of All Entities
 - Equals % of Total Ag Load of All Entities
 - Times Total Available Resource (MW and MWhr)
 - Equals Anticipated 2017 Capacity Allocation

SPREADSHEET 2B – CONT'D

- Schedule B HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 2B

Schedule A

Districts Receiving '87 Allocation	Schedule A Capacity (190.869 MW)								
Districts Not Receiving '87 Allocation	New Districts to Sched A, Sched A Based on Ag load								
Cities/Towns (Own Elec System) Receiving '87 Allocation	Formula= 5 Yr AVG Load * Ag Use % / Total Ag Load * 190.869 for Capacity or 613,689 for Energy								
Cities/Towns (Own Elec System) Not Receiving '87 Allocation	5 Yr AVG Load	Ag Load Percentage	Ag Load (MW)	1987 Allocation Schedule A Capacity (MW)	Anticipated 2017 Schedule A Capacity (MW) Allocation	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Co-operatives									
Other Eligible									
Cities/Towns (Do Not Own Elec System)									
Military Installations									
Spreadsheet Description	<p>Spreadsheet 2B - Schedule A is allocated based on 5 year load averages plus in-lieu loads (if provided) of all district entities, including districts not currently receiving a Hoover allocation. The percentage of load directly attributable to Agriculture use is then determined by multiplying the Ag use percentage by the total load average. This percentage is then used to determine the entities capacity and energy allocation for 2017. Schedule B remains status quo with 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. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.</p>								
Aguila Irrigation District	7.643	100.000%	7.643	2.450	3.305	8,389.000	10,626.85	0.8552	2,237.85
Avra Valley I&DD	1.183	100.000%	1.183	0.630	0.512	2,168.000	1,645.12	-0.1183	(522.88)
Buckeye WC District	7.198	91.800%	6.607	2.980	2.857	10,201.000	9,187.42	-0.1225	(1,013.58)
Central Arizona Water Conservation & Drainage District		0.000%	-	-	-	-	-	0.0000	-
Chandler Heights ID	1.169	100.000%	1.169	0.930	0.505	3,164.000	1,624.82	-0.4247	(1,539.18)
Cortaro Marana ID	1.654	100.000%	1.654	6.440	0.715	22,003.000	2,300.31	-5.7246	(19,702.69)
ED 2	63.540	100.000%	63.540	19.450	27.479	66,473.000	88,350.79	8.0288	21,877.79
ED 3 Pinal (inc ED1)	182.691	27.200%	49.692	15.900	21.490	54,351.000	69,095.52	5.5900	14,744.52
ED 4 Pinal	42.699	74.390%	31.764	19.450	13.737	66,473.000	44,167.10	-5.7132	(22,305.90)
ED 5 Pinal	21.460	92.820%	19.919	14.770	8.614	50,476.000	27,697.54	-6.1555	(22,778.46)
ED 6 Pinal (Inc ED5 M)	20.722	77.000%	15.956	8.360	6.900	28,579.000	22,186.27	-1.4596	(6,392.73)
ED 7 Maricopa	11.001	42.000%	4.621	10.500	1.998	35,902.000	6,424.81	-8.5018	(29,477.19)
ED 8 Maricopa	63.466	100.000%	63.466	13.390	27.447	45,749.000	88,248.45	14.0570	42,499.45
Harquahala Valley Power Dist	19.163	100.000%	19.163	2.490	8.287	8,495.000	26,645.12	5.7971	18,150.12
Maricopa Co. Mun. WCD	19.328	43.000%	8.311	8.840	3.594	30,215.000	11,556.45	-5.2457	(18,658.55)
McMullen Valley WCDD	16.262	100.000%	16.262	3.800	7.033	12,974.000	22,612.18	3.2328	9,638.18
Ocotillo WCD	2.821	1.000%	0.028	2.390	0.012	8,175.000	39.23	-2.3778	(8,135.77)
Queen Creek ID	9.145	100.000%	9.145	1.770	3.955	6,043.000	12,715.99	2.1849	6,672.99
Roosevelt ID	16.929	100.000%	16.929	3.220	7.321	11,020.000	23,539.63	4.1013	12,519.63
Roosevelt WCD	16.006	100.000%	16.006	6.760	6.922	23,106.000	22,255.57	0.1619	(850.43)
Salt River Project	6,663.000	1.000%	66.630	38.790	28.815	132,589.000	92,647.36	-9.9749	(39,941.64)
San Tan ID	1.960	20.000%	0.392	0.520	0.170	1,777.000	545.07	-0.3505	(1,231.93)
Silverbell I&DD	1.257	100.000%	1.257	0.710	0.544	2,417.000	1,747.55	-0.1665	(669.45)
Tonopah Irrigation District	8.036	100.000%	8.036	1.550	3.475	5,297.000	11,173.30	1.9251	5,876.30
Wellton-Mohawk ID	14.759	71.000%	10.479	2.910	4.532	9,953.000	14,570.83	1.6218	4,617.83
Hohokam IDD	1.500	100.000%	1.500	-	0.649	-	2,085.71	0.6487	2,085.71
Page - Own System & Operating									
Safford - OSO									
Thatcher - OSO									
Wickenburg - OSO									
Other Eligible Entities (Preference Based)									
	7214.5929		441.3520		190.869		613,689	1.8690	(32,300)

SPREADSHEET 3A

- Schedule A (Entities Other Than SRP)
 - 5 Year Loads Average (From Data Sheets)
 - Equals Total Entity Load
 - Divided By Total Load of All Entities (Except SRP)
 - Equals % of Total Load of All Entities
 - Times Total Available Resource (MW and MWhr)
Minus SRP
 - Equals Anticipated 2017 Capacity Allocation

SPREADSHEET 3A – CONT'D

- Schedule B HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 3A

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

Schedule A Capacity (190.869 MW)

Spreadsheet Description
 Spreadsheet 3A – Schedule A is allocated based on 5 year load averages excluding in-lieu loads of all district entities, including districts not currently receiving a Hoover allocation. Due to SRP's large load they are capped at their current allocation plus a 1% capacity increase and a 5% energy decrease. Schedule B remains status quo with 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. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.

New Districts to Sched A, Sched A Based on 5 yr load AVG Excluding In-lieu, SRP Status Quo

Formula= 5 Year Load Avg. / Total Load Avg * Available Capacity = 2017 Capacity Allocation

	5 Yr AVG Load	% of Total AVG Load	1987 Allocation Schedule A Capacity (MW)	Anticipated 2017 Schedule A Capacity (MW) Allocation	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Aguila Irrigation District	7.643	1.69%	2.450	2.568	8,389.000	8,257.443	0.118	(131.56)
Avra Valley I&DD	1.130	0.25%	0.630	0.380	2,168.000	1,220.692	(0.250)	(947.31)
Buckeye WC District	5.571	1.23%	2.980	1.872	10,201.000	6,018.752	(1.108)	(4,182.25)
Central Arizona Water Conservation & Drainage District	-	-	-	-	-	-	-	-
Chandler Heights ID	1.050	0.23%	0.930	0.353	3,164.000	1,134.688	(0.577)	(2,029.31)
Cortaro Marana ID	0.759	0.17%	6.440	0.255	22,003.000	820.061	(6.185)	(21,182.94)
ED 2	63.540	14.08%	19.450	21.352	66,473.000	68,651.756	1.902	2,178.76
ED 3 Pinal (inc ED1)	154.764	34.28%	15.900	52.008	54,351.000	167,214.242	36.108	112,863.24
ED 4 Pinal	25.860	5.73%	19.450	8.690	66,473.000	27,940.422	(10.760)	(38,532.58)
ED 5 Pinal	14.100	3.12%	14.770	4.738	50,476.000	15,234.337	(10.032)	(35,241.66)
ED 6 Pinal (Inc ED5 M)	6.710	1.49%	8.360	2.255	28,579.000	7,249.383	(6.105)	(21,329.62)
ED 7 Maricopa	11.001	2.44%	10.500	3.697	35,902.000	11,886.456	(6.803)	(24,015.54)
ED 8 Maricopa	63.466	14.06%	13.390	21.328	45,749.000	68,572.235	7.938	22,823.24
Harquahala Valley Power Dist	14.025	3.11%	2.490	4.713	8,495.000	15,152.871	2.223	6,657.87
Maricopa Co. Mun. WCD	15.753	3.49%	8.840	5.294	30,215.000	17,019.888	(3.546)	(13,195.11)
McMullen Valley WCDD	16.262	3.60%	3.800	5.465	12,974.000	17,570.485	1.665	4,596.48
Ocotillo WCD	2.821	0.63%	2.390	0.948	8,175.000	3,048.380	(1.442)	(5,126.62)
Queen Creek ID	0.973	0.22%	1.770	0.327	6,043.000	1,051.709	(1.443)	(4,991.29)
Roosevelt ID	16.929	3.75%	3.220	5.689	11,020.000	18,291.144	2.469	7,271.14
Roosevelt WCD	4.354	0.96%	6.760	1.463	23,106.000	4,704.709	(5.297)	(18,401.29)
Salt River Project	-	-	38.790	39.174	132,589.000	125,959.437	0.384	(6,629.56)
San Tan ID	1.960	0.43%	0.520	0.659	1,777.000	2,117.681	0.139	340.68
Silverbell I&DD	1.257	0.28%	0.710	0.422	2,417.000	1,357.909	(0.288)	(1,059.09)
Tonopah Irrigation District	5.227	1.16%	1.550	1.756	5,297.000	5,647.077	0.206	350.08
Wellton-Mohawk ID	14.759	3.27%	2.910	4.960	9,953.000	15,946.569	2.050	5,993.57
Hohokam IDD	1.500	0.33%	-	0.504	-	1,620.674	0.504	1,620.67
Page - Own System & Operating								
Safford - OSO								
Thatcher - OSO								
Wickenburg - OSO								
Other Eligible Entities (Preference Based)								
	451.4136			190.869		613,689	1.8690	(32,300)

SPREADSHEET 3B

- **Schedule A**
 - 5 Year Loads Average (From Data Sheets)
 - Equals Total Entity Load
 - Times % of Ag Use (From Data Sheets)
 - Equals Total Entity Ag Load
 - Divided By Total Ag Load of All Entities
 - Equals % of Total Ag Load of All Entities
 - Times Total Available Resource (MW and MWhr)
 - Equals Anticipated 2017 Capacity Allocation

SPREADSHEET 3B – CONT'D

- Schedule B HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 3B

Schedule A

Districts Receiving '87 Allocation	Schedule A Capacity (190.869 MW)								
Districts Not Receiving '87 Allocation	New Districts to Sched A, Sched A Based on Ag load								
Cities/Towns (Own Elec System) Receiving '87 Allocation	Formula= 5 Yr AVG Load * Ag Use % / Total Ag Load * 190.869 for Capacity or 613,689 for Energy								
Cities/Towns (Own Elec System) Not Receiving '87 Allocation	5 Yr AVG Load	Ag Load Percentage	Ag Load (MW)	1987 Allocation Schedule A Capacity (MW)	Anticipated 2017 Schedule A Capacity (MW) Allocation	1987 Allocation Schedule A Energy (MWh)	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Co-operatives									
Other Eligible									
Cities/Towns (Do Not Own Elec System)									
Military Installations									
Spreadsheet Description	Spreadsheet 3B - Schedule A is allocated based on 5 year load averages excluding in-lieu loads of all district entities, including districts not currently receiving a Hoover allocation. The percentage of load directly attributable to Agriculture use is then determined by multiplying the Ag use percentage by the total load average. This percentage is then used to determine the entities capacity and energy allocation for 2017. Schedule B remains status quo with 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. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.								
Aguila Irrigation District	7.643	100.000%	7.643	2.450	3.924	8,389.000	12,616.85	1.4741	4,227.85
Avra Valley I&DD	1.130	100.000%	1.130	0.630	0.580	2,168.000	1,865.14	-0.0499	(302.86)
Buckeye WC District	5.571	91.800%	5.114	2.980	2.626	10,201.000	8,442.18	-0.3543	(1,758.82)
Central Arizona Water Conservation & Drainage District		0.000%	-	-	-	-	-	0.0000	-
Chandler Heights ID	1.050	100.000%	1.050	0.930	0.539	3,164.000	1,733.73	-0.3908	(1,430.27)
Cortaro Marana ID	0.759	100.000%	0.759	6.440	0.390	22,003.000	1,253.00	-6.0503	(20,750.00)
ED 2	63.540	100.000%	63.540	19.450	32.625	66,473.000	104,895.52	13.1745	38,422.52
ED 3 Pinal (inc ED1)	154.764	27.200%	42.096	15.900	21.614	54,351.000	69,494.02	5.7140	15,143.02
ED 4 Pinal	25.860	74.390%	19.237	19.450	9.877	66,473.000	31,757.97	-9.5727	(34,715.03)
ED 5 Pinal	14.100	92.820%	13.088	14.770	6.720	50,476.000	21,605.80	-8.0502	(28,870.20)
ED 6 Pinal (Inc ED5 M)	6.710	77.000%	5.166	8.360	2.653	28,579.000	8,528.98	-5.7073	(20,050.02)
ED 7 Maricopa	11.001	42.000%	4.621	10.500	2.372	35,902.000	7,627.93	-8.1276	(28,274.07)
ED 8 Maricopa	63.466	100.000%	63.466	13.390	32.587	45,749.000	104,774.01	19.1967	59,025.01
Harquahala Valley Power Dist	14.025	100.000%	14.025	2.490	7.201	8,495.000	23,152.62	4.7109	14,657.62
Maricopa Co. Mun. WCD	15.753	43.000%	6.774	8.840	3.478	30,215.000	11,182.28	-5.3621	(19,032.72)
McMullen Valley WCDD	16.262	100.000%	16.262	3.800	8.350	12,974.000	26,846.58	4.5498	13,872.58
Ocotillo WCD	2.821	1.000%	0.028	2.390	0.014	8,175.000	46.58	-2.3755	(8,128.42)
Queen Creek ID	0.973	100.000%	0.973	1.770	0.500	6,043.000	1,606.95	-1.2702	(4,436.05)
Roosevelt ID	16.929	100.000%	16.929	3.220	8.692	11,020.000	27,947.70	5.4723	16,927.70
Roosevelt WCD	4.354	100.000%	4.354	6.760	2.236	23,106.000	7,188.50	-4.5242	(15,917.50)
Salt River Project	6,663.000	1.000%	66.630	38.790	34.211	132,589.000	109,996.67	-4.5789	(22,592.33)
San Tan ID	1.960	20.000%	0.392	0.520	0.201	1,777.000	647.14	-0.3187	(1,129.86)
Silverbell I&DD	1.257	100.000%	1.257	0.710	0.645	2,417.000	2,074.80	-0.0647	(342.20)
Tonopah Irrigation District	5.227	100.000%	5.227	1.550	2.684	5,297.000	8,628.37	1.1336	3,331.37
Wellton-Mohawk ID	14.759	71.000%	10.479	2.910	5.380	9,953.000	17,299.39	2.4704	7,346.39
Hohokam IDD	1.500	100.000%	1.500	-	0.770	-	2,476.29	0.7702	2,476.29
Page - Own System & Operating									
Safford - OSO									
Thatcher - OSO									
Wickenburg - OSO									
Other Eligible Entities (Preference Based)									
	7114.4136		371.7394		190.869		613,689	1.8690	(32,300)

SPREADSHEET 4

- Schedule A HPPA Adjusted
 - Existing Allocation plus
 - 1% Increase in Capacity
 - 5% Decrease in Energy
- Schedule B
 - New Cities and Towns That Own Their Electric System are Included
 - CAWCD HPPA Adjusted
 - 1% Increase in Capacity
 - 5% Decrease in Energy

SPREADSHEET 4 – CONT'D

- Schedule B (Except CAWCD)
 - 5 Year Loads Average (From Data Sheets)
 - Equals Total Entity Load
 - Divided By Total Load of All Entities (Except CAWCD)
 - Equals % of Total Load of All Entities
 - Times Total Available Resource (MW and MWhr) Minus CAWCD
 - Equals Anticipated 2017 Capacity Allocation

SPREADSHEET 4 – CONT'D

- Schedule D2/A and D2/B
 - New Entities
 - D2/A Based on Title 30 Preference
 - D2/B Based on Title 45

Spreadsheet 4

Schedule B

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									
Schedule B Capacity (189.860 MW)									
CAP Maintains Current Alloc., New Towns to Sched B, Sched B Based on 5 yr load AVG									
Formula= Entity AVG Load / Total AVG Load * (Sched B MW-CAP or MWh-CAP)									
	5 Yr Avg Load	% of Total 5 Yr Avg Load	Direct Benefit from CAP Water	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	7.64	3.17%		3.840	4,327.000	0.845	895.868	(2.995)	(3,431.13)
Avra Valley I&DD									
Buckeye WC District									
Central Arizona Water Conservation & Drainage District				161.600	182,235.000	163.198	173,123.068	1.598	(9,111.93)
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	63.4664	26.31%		10.810	12,185.000	7.015	7,439.550	(3.795)	(4,745.45)
Harquahala Valley Power Dist									
Maricopa Co. Mun. WCD									
McMullen Valley WCDD	16.2622	6.74%		5.290	5,970.000	1.797	1,906.260	(3.493)	(4,063.74)
Ocotillo WCD									
Queen Creek ID									
Roosevelt ID									
Roosevelt WCD									
Salt River Project									
San Tan ID									
Silverbell I&DD									
Tonopah Irrigation District									
Wellton-Mohawk ID									
Hohokam IDD									
Page - Own System & Operating	24.89	10.32%		1.040	1,173.000	2.751	2,917.683	1.711	1,744.68
Safford - OSO	20.72	8.59%		2.080	2,345.000	2.290	2,428.640	0.210	83.64
Thatcher - OSO	7.17	2.97%		1.050	1,185.000	0.792	840.165	(0.258)	(344.84)
Wickenburg - OSO	7.04	2.92%		2.290	2,580.000	0.778	825.559	(1.512)	(1,754.44)
Fredonia OSO	2.68	1.11%				0.297	314.619	0.297	314.62
Mesa (inc AzPPA share) OSO	84.20	34.90%	Yes?			9.306	9,869.948	9.306	9,869.95
Williams OSO	7.15	2.97%				0.791	838.641	0.791	838.64
Other Eligible Entities (Preference Based)									
	241.229	1		188.000		189.860	201,400	1.860	(10,600)

SPREADSHEET 5

- Schedule A
 - Entities Located Inside Maricopa County and NOT Currently Receiving Schedule B are Reduced 10%
 - Current Allocation Capacity Increased 1% = New Starting Capacity
 - Current Allocation Energy Decreased 5% = New Starting Energy
 - New Starting Capacity and Energy Times 0.1 = Allocation

SPREADSHEET 5 – CONT'D

- Schedule A - Continued
 - All Other Entities
 - Current Allocation Capacity Increased 1% = New Starting Capacity
 - Current Allocation Energy Decreased 5% = New Starting Energy
 - New Starting Capacity and Energy Totaled for All Other Entities
 - New Starting Capacity and Energy of Each Entity Divided by Total Capacity and Energy for All Other Entities = % of Capacity and Energy
 - % of Capacity and Energy Times Total Energy and Capacity Reduced from Maricopa County Entities
 - = New Allocation

SPREADSHEET 5 – CONT'D

- Schedule B
 - Existing Schedule B Entities
 - 1% Increase in Capacity
 - 5% Decrease in Energy
 - Entities Reduced in Schedule A Added to Schedule B
 - CAWCD Capacity Reduced by Amount Recaptured from Schedule A Entities and 10% for Energy
 - Schedule A Entities Allocated Capacity Recaptured in Schedule B
 - Schedule A Entities Allocated Energy Based on % of Total Capacity Recaptured from Them Times Energy Recaptured from CAWCD

Spreadsheet 5

Schedule A

Districts Receiving '87 Allocation	Schedule A Capacity (190.869 MW)											
Districts Not Receiving '87 Allocation	CAP Water Reductions force more pumping in Pinal County											
Cities/Towns (Own Elec System) Receiving '87 Allocation	Formula= Non-Mari Districts - Perct. of Non-Mari Districts Total Current MW * Total Mari Districts Reduction MWh, Perct. of Non-Mari Districts Total Current MWh * Total Mari Districts Reduction MWh											
Cities/Towns (Own Elec System) Not Receiving '87 Allocation												
Co-operatives												
Other Eligible												
Cities/Towns (Do Not Own Elec System)												
Military Installations												
Spreadsheet Description												
Spreadsheet 5 – Around the year 2030, CAP deliveries of water for Ag use will be drastically reduced. The most likely entities first affected will be those located outside of Maricopa County. This Spreadsheet examines the possibility of rearranging the allocations to provide additional capacity and energy to the entities outside of Maricopa County. Maricopa County entities capacity and energy is reduced by 10% and is allocated to entities outside of Maricopa County in Schedule A. The Maricopa County entities are added to Schedule B. CAWCD is given a 1% increase in capacity and 5% reduction in energy. The new capacity amount is reduced by the same amount the Maricopa County entities were reduced. CAWCD's energy is reduced by 10%. The reduced capacity and energy amounts from CAWCD are allocated to the Maricopa County entities. Current Schedule B recipients receive a 1% capacity increase and a 5% energy decrease. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.	1987 Allocation Schedule A Capacity (MW)	1987 Allocation Schedule A Energy (MWh)	1987 Capacity Allocation * 1.01	Amount to Increase From Maricopa County Entities	Amount to Decrease Maricopa County Entities	Anticipated 2017 Schedule A Capacity (MW) Allocation	1987 Energy Allocation * .95	Amount to Increase From Maricopa County Entities	Amount to Decrease Maricopa County Entities	Anticipated 2017 Schedule A Energy (MWh) Allocation	Capacity INCREASE (MW) From 1987	Energy INCREASE (MWh) From 1987
Agula Irrigation District	2.450	8,389.000	2.474			2.474	7,969.543			7,969.543	0.024	(419.457)
Avra Valley I&DD	0.630	2,168.000	0.636	0.058		0.694	2,059.598	187.662		2,247.261	0.064	79.261
Buckeye WC District	2.980	10,201.000	3.009		0.301	2.709	9,690.941		969.094	8,721.847	-0.271	(1,479.153)
Central Arizona Water Conservation & Drainage District	-	-	-			-	-			-	0.000	-
Chandler Heights ID	0.930	3,164.000	0.939		0.094	0.845	3,005.797		300.580	2,705.218	-0.085	(458.782)
Cortaro Marana ID	6.440	22,003.000	6.504	0.593		7.096	20,902.831	1,904.582		22,807.414	0.656	804.414
ED 2	19.450	66,473.000	19.642	1.790		21.432	63,149.293	5,753.911		68,903.205	1.982	2,430.205
ED 3 Pinal (inc ED1)	15.900	54,351.000	16.057	1.463		17.520	51,633.404	4,704.629		56,338.033	1.620	1,987.033
ED 4 Pinal	19.450	66,473.000	19.642	1.790		21.432	63,149.293	5,753.911		68,903.205	1.982	2,430.205
ED 5 Pinal	14.770	50,476.000	14.916	1.359		16.275	47,952.157	4,369.209		52,321.366	1.505	1,845.366
ED 6 Pinal (inc ED5 M)	8.360	28,579.000	8.443	0.769		9.212	27,150.026	2,473.802		29,623.828	0.852	1,044.828
ED 7 Maricopa	10.500	35,902.000	10.604		1.060	9.543	34,106.869		3,410.687	30,696.183	-0.957	(5,205.817)
ED 8 Maricopa	13.390	45,749.000	13.522			13.522	43,461.511			43,461.511	0.132	(2,287.489)
Harquahala Valley Power Dist	2.490	8,495.000	2.515		0.251	2.263	8,070.243		807.024	7,263.219	-0.227	(1,231.781)
Maricopa Co. Mun. WCD	8.840	30,215.000	8.927		0.893	8.035	28,704.224		2,870.422	25,833.802	-0.805	(4,381.198)
McMullen Valley WCDD	3.800	12,974.000	3.838			3.838	12,325.289			12,325.289	0.038	(648.711)
Ocotillo WCD	2.390	8,175.000	2.414		0.241	2.172	7,766.243		776.624	6,989.619	-0.218	(1,185.381)
Queen Creek ID	1.770	6,043.000	1.788		0.179	1.609	5,740.845		574.084	5,166.760	-0.161	(876.240)
Roosevelt ID	3.220	11,020.000	3.252		0.325	2.927	10,468.991		1,046.899	9,422.092	-0.293	(1,597.908)
Roosevelt WCD	6.760	23,106.000	6.827		0.683	6.144	21,950.680		2,195.068	19,755.612	-0.616	(3,350.388)
Salt River Project	38.790	132,589.000	39.174		3.917	35.256	125,959.437		12,595.944	113,363.494	-3.534	(19,225.506)
San Tan ID	0.520	1,777.000	0.525		0.053	0.473	1,688.148		168.815	1,519.334	-0.047	(257.666)
Silverbell I&DD	0.710	2,417.000	0.717	0.065		0.782	2,296.148	209.216		2,505.364	0.072	88.364
Tonopah Irrigation District	1.550	5,297.000	1.565		0.157	1.409	5,032.145		503.215	4,528.931	-0.141	(768.069)
Wellton-Mohawk ID	2.910	9,953.000	2.939	0.268		3.207	9,455.342	861.533		10,316.874	0.297	363.874
Hohokam IDD	-	-	-			-	-			-	-	-
Page - Own System & Operating	-	-	-			-	-			-	-	-
Safford - OSO	-	-	-			-	-			-	-	-
Thatcher - OSO	-	-	-			-	-			-	-	-
Wickenburg - OSO	-	-	-			-	-			-	-	-
Other Eligible Entities (Preference Based)	-	-	-			-	-			-	-	-
	189.000	645,989	190.869	8.154	8.154	190.869		26,218.457	26,218.457	613,689		

Spreadsheet 5

Schedule B

Districts Receiving '87 Allocation	<p align="center">Schedule B Capacity (189.860 MW)</p> <p>CAWCD Reduced 8MW Capacity and 10% Energy to offset Maricopa County entities</p> <p>Formula= Maricopa Dist - Schedule A Reduction Added to Schedule B (MW and MWh), CAP Reduced to Offset</p>					
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	<p>Spreadsheet 5 – Around the year 2030, CAP deliveries of water for Ag use will be drastically reduced. The most likely entities first affected will be those located outside of Maricopa County. This Spreadsheet examines the possibility of rearranging the allocations to provide additional capacity and energy to the entities outside of Maricopa County. Maricopa County entities capacity and energy is reduced by 10% and is allocated to entities outside of Maricopa County in Schedule A. The Maricopa County entities are added to Schedule B. CAWCD is given a 1% increase in capacity and 5% reduction in energy. The new capacity amount is reduced by the same amount the Maricopa County entities were reduced. CAWCD's energy is reduced by 10%. The reduced capacity and energy amounts from CAWCD are allocated to the Maricopa County entities. Current Schedule B recipients receive a 1% capacity increase and a 5% energy decrease. New entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.</p>					
	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	4,327.000	3.878	4,110.646	0.038	(216.354)
Avra Valley I&DD	-	-	-	-	-	-
Buckeye WC District	-	-	0.301	638.973	0.301	638.973
Central Arizona Water Conservation & Drainage District	161.600	182,235.000	155.044	155,810.761	(6.556)	(26,424.239)
Chandler Heights ID	-	-	0.094	199.411	0.094	199.411
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	-	-	1.060	2,251.415	1.060	2,251.415
ED 8 Maricopa	10.810	12,185.000	10.917	11,575.738	0.107	(609.262)
Harquahala Valley Power Dist	-	-	0.251	533.907	0.251	533.907
Maricopa Co. Mun. WCD	-	-	0.893	1,895.477	0.893	1,895.477
McMullen Valley WCDD	5.290	5,970.000	5.342	5,671.494	0.052	(298.506)
Ocotillo WCD	-	-	0.241	512.465	0.241	512.465
Queen Creek ID	-	-	0.179	379.524	0.179	379.524
Roosevelt ID	-	-	0.325	690.434	0.325	690.434
Roosevelt WCD	-	-	0.683	1,449.482	0.683	1,449.482
Salt River Project	-	-	3.917	8,317.369	3.917	8,317.369
San Tan ID	-	-	0.053	111.499	0.053	111.499
Silverbell I&DD	-	-	-	-	-	-
Tonopah Irrigation District	-	-	0.157	332.352	0.157	332.352
Wellton-Mohawk ID	-	-	-	-	-	-
Hohokam IDD	-	-	-	-	-	-
Page - Own System & Operating	1.040	1,173.000	1.050	1,114.349	0.010	(58.651)
Safford - OSO	2.080	2,345.000	2.101	2,227.748	0.021	(117.252)
Thatcher - OSO	1.050	1,185.000	1.060	1,125.749	0.010	(59.251)
Wickenburg - OSO	2.290	2,580.000	2.313	2,450.997	0.023	(129.003)
Other Eligible Entities (Preference Based)	-	-	-	-	-	-
	188.000	212,000	189.859	201,400		

SPREADSHEET 6

- Schedule A
 - All Entities Except SRP
 - 1987 Allocation Divided by 0.935
 - Equals Post 2017 Allocation
 - SRP
 - Post 2017 Schedule A Total Available Minus Post 2017 Allocation of All Entities Except SRP
 - Equals SRP Post 2017 Allocation

SPREADSHEET 6 – CONT'D

- Schedule B
 - All Entities Except CAWCD
 - 1987 Allocation Divided by 0.935
 - Equals Post 2017 Allocation
 - CAWCD
 - Reduced by Same % as SRP in Schedule A
 - Equals Post 2017 Allocation
 - Resource Pool for Additional Entities Created With Excess Energy and Capacity From CAWCD

Spreadsheet 6

Schedule A

Districts Receiving '87 Allocation	Schedule A Capacity (190.869 MW)						
Districts Not Receiving '87 Allocation	CAP Water Reductions force more pumping in Pinal County						
Cities/Towns (Own Elec System) Receiving '87 Allocation	Formula= Non-Mari Districts - Perct. of Non-Mari Districts Total Current MW * Total Mari Districts						
Cities/Towns (Own Elec System) Not Receiving '87 Allocation	1987 Allocation Schedule A Capacity (MW)	1987 Allocation Schedule A Energy (MWh)	1987 Capacity Allocation / 0.935 (6.5% Increase)	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
Co-operatives							
Other Eligible							
Cities/Towns (Do Not Own Elec System)							
Military Installations							
Spreadsheet Description	Spreadsheet 6 – This spreadsheet looks at the affects of a re-capture of capacity and energy to disctricts, cities, towns, and other eligible entities. In Schedule A, allocations are increased for all existing entities with the exception of SRP by 6.5%. All entities allocations of capacity and energy would be above 1987 allocations with the exception of SRP. Schedule B takes the same approach by increasing all entities with the exception of CAWCD by 6.5%. Additionally, CAWCD is reduced by the same percentage of capacity as SRP in Schedule A and a resource pool available for additional entities is created. Additional new entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.						
Aguila Irrigation District	2.450	8,389.000	2.620	2.620	8,422.952	0.170	33.952
Avra Valley I&DD	0.630	2,168.000	0.674	0.674	2,168.416	0.044	0.416
Buckeye WC District	2.980	10,201.000	3.187	3.187	10,247.492	0.207	46.492
Central Arizona Water Conservation & Drainage District	-	-	-	-	-	0.000	-
Chandler Heights ID	0.930	3,164.000	0.995	0.995	3,198.043	0.065	34.043
Cortaro Marana ID	6.440	22,003.000	6.888	6.888	22,145.587	0.448	142.587
ED 2	19.450	66,473.000	20.802	20.802	66,883.799	1.352	410.799
ED 3 Pinal (inc ED1)	15.900	54,351.000	17.005	17.005	54,676.216	1.105	325.216
ED 4 Pinal	19.450	66,473.000	20.802	20.802	66,883.799	1.352	410.799
ED 5 Pinal	14.770	50,476.000	15.797	15.797	50,790.422	1.027	314.422
ED 6 Pinal (inc ED5 M)	8.360	28,579.000	8.941	8.941	28,747.998	0.581	168.998
ED 7 Maricopa	10.500	35,902.000	11.230	11.230	36,106.935	0.730	204.935
ED 8 Maricopa	13.390	45,749.000	14.321	14.321	46,044.940	0.931	295.940
Harquahala Valley Power Dist	2.490	8,495.000	2.663	2.663	8,562.502	0.173	67.502
Maricopa Co. Mun. WCD	8.840	30,215.000	9.455	9.455	30,398.601	0.615	183.601
McMullen Valley WCDD	3.800	12,974.000	4.064	4.064	13,067.272	0.264	93.272
Ocotillo WCD	2.390	8,175.000	2.556	2.556	8,218.626	0.166	43.626
Queen Creek ID	1.770	6,043.000	1.893	1.893	6,086.598	0.123	43.598
Roosevelt ID	3.220	11,020.000	3.444	3.444	11,072.794	0.224	52.794
Roosevelt WCD	6.760	23,106.000	7.230	7.230	23,245.989	0.470	139.989
Salt River Project	38.790	132,589.000	40.710	40.710	133,114.805	4.320	152.816
San Tan ID	0.520	1,777.000	0.556	0.556	1,788.153	0.036	11.153
Silverbell I&DD	0.710	2,417.000	0.759	0.759	2,441.517	0.049	24.517
Tonopah Irrigation District	1.550	5,297.000	1.658	1.658	5,330.071	0.108	33.071
Wellton-Mohawk ID	2.910	9,953.000	3.112	3.112	10,006.779	0.202	53.779
Hohokam IDD	-	-	-	-	-	-	-
Page - Own System & Operating	-	-	-	-	-	-	-
Safford - OSO	-	-	-	-	-	-	-
Thatcher - OSO	-	-	-	-	-	-	-
Wickenburg - OSO	-	-	-	-	-	-	-
Other Eligible Entities (Preference Based)	-	-	-	-	-	-	-
	189.000	645,989	160.652	190.869	613,690		

Spreadsheet 6

Schedule B

Districts Receiving '87 Allocation	<p>Schedule B Capacity (189.860 MW)</p> <p>CAWCD Reduced 8MW Capacity and 10% Energy to offset Maricopa County entities Formula= Maricopa Dist - Schedule A Reduction Added to Schedule B (MW and MWh),</p>					
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	<p>Spreadsheet 6 – This spreadsheet looks at the affects of a re-capture of capacity and energy to districts, cities, towns, and other eligible entities. In Schedule A, allocations are increased for all existing entities with the exception of SRP by 6.5%. All entities allocations of capacity and energy would be above 1987 allocations with the exception of SRP. Schedule B takes the same approach by increasing all entities with the exception of CAWCD by 6.5%. Additionally, CAWCD is reduced by the same percentage of capacity as SRP in Schedule A and a resource pool available for additional entities is created. Additional new entities are allocated under Schedule D2/A and D2/B. Under Schedule D2/A new districts are allocated as first preference, followed by Cities, Towns, and Co-ops as second preference, followed by primary irrigation entities, followed by others per Title 30-125. Districts have no allocation limits, however Cities, Towns, and Co-ops are limited to a total of 17,500MWh from ALL main stream Colorado River sources of Federal power. Schedule D2/B is allocated based on state water projects as listed in Title 45 or entities not receiving any direct benefit from CAP water.</p>					
	1987 Allocation Schedule B Capacity (MW)	1987 Allocation Schedule B Energy (MWh)	Anticipated 2017 Schedule B Capacity (MW) Allocation (6.5% Increase)	Anticipated 2017 Schedule B Energy (MWh) Allocation	Capacity INC/DEC (MW) From 1987	Energy INC/DEC (MWh) From 1987
Aguila Irrigation District	3.840	4,327.000	4.107	4,356.579	0.267	29.579
Avra Valley I&DD	-	-	-	-	-	-
Buckeye WC District	-	-	-	-	-	-
Central Arizona Water Conservation & Drainage District	161.600	182,235.000	125.89	133,537.980	(35.714)	(48,697.020)
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	10.810	12,185.000	11.561	12,264.224	0.751	79.224
Harquahala Valley Power Dist	-	-	-	-	-	-
Maricopa Co. Mun. WCD	-	-	-	-	-	-
McMullen Valley WCDD	5.290	5,970.000	5.658	6,001.642	0.368	31.642
Ocotillo WCD	-	-	-	-	-	-
Queen Creek ID	-	-	-	-	-	-
Roosevelt ID	-	-	-	-	-	-
Roosevelt WCD	-	-	-	-	-	-
Salt River Project	-	-	-	-	-	-
San Tan ID	-	-	-	-	-	-
Silverbell I&DD	-	-	-	-	-	-
Tonopah Irrigation District	-	-	-	-	-	-
Wellton-Mohawk ID	-	-	-	-	-	-
Hohokam IDD	-	-	-	-	-	-
Page - Own System & Operating	1.040	1,173.000	1.112	1,179.907	0.072	6.907
Safford - OSO	2.080	2,345.000	2.225	2,359.814	0.145	14.814
Thatcher - OSO	1.050	1,185.000	1.123	1,191.252	0.073	6.252
Wickenburg - OSO	2.290	2,580.000	2.449	2,598.064	0.159	18.064
Other Eligible Entities	-	-	35.738	37,910.214	35.738	37,910.214
	188.000	212,000	189.860	201,399.676		

DATA REQUIREMENTS

- Data Provided Must be Substantiated
- Must be From the Entity Applying
- Suggestions on Types of Substantiation

Questions