

**Via E-mail & USPS**

January 8, 2007

Mr. J. Tyler Carlson  
Regional Manager  
Western Area Power Administration  
Desert Southwest Region  
P. O. Box 6457  
Phoenix, AZ 85005-6457

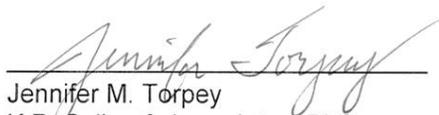
Re: Electrical District Number Eight Integrated Resource Plan

Dear Mr. Carlson,

As you know, Western Area Power Administration's ("Western") Integrated Resource Planning Approval Criteria require Western's customers to submit updated Integrated Resource (or Small Customer) Plans to the appropriate Regional Manager every five years after Western's approval of the initial Plan. Enclosed on behalf of Electrical District Number Eight ("ED8"), pursuant to 10 C.F.R. § 905.13(b), is the second five-year update to ED8's Integrated Resource Plan. This update was approved by ED8's Board of Directors at a public meeting held on December 20, 2006.

If you have any questions regarding this Integrated Resource Plan, please do not hesitate to contact me.

Sincerely,

  
Jennifer M. Torpey  
K.R. Saline & Associates, PLC

Enclosure

cc: John Li (w/encl.)  
Joe Mulholland (w/encl.)  
Jim Downing (w/encl.)  
Jay Moyes (w/encl.)

**INTEGRATED  
RESOURCE  
PLAN**

**SECOND FIVE-YEAR UPDATE**

**ELECTRICAL DISTRICT NUMBER EIGHT  
OF MARICOPA COUNTY  
AND THE STATE OF ARIZONA**

**December 20, 2006**

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## Profile Data

Electrical District Number Eight of the County of Maricopa and the State of Arizona (“ED8” or “the District”) is a political subdivision of the State of Arizona. ED8 is an electrical district established in 1984 by the Board of Supervisors of Maricopa County pursuant to Chapter 3 of Title 30 of the Arizona Revised Statutes. The District was formed for the purpose of providing power for use primarily for pumping water for irrigation.

ED8 is located in western Maricopa County and eastern Yuma County, Arizona, west of the Phoenix metropolitan area. The District has a service area of approximately 120,000 acres. ED8 serves predominately irrigation pumping loads and certain other agriculturally related loads. The irrigation pumps served by the District are owned and operated by the District’s customers, as are the other agriculturally related facilities. A map of ED8’s service area is provided in **Appendix A**.

ED8 is governed by an eleven-member Board of Directors elected annually by freeholders of property within ED8’s boundaries. Its current staff consists of one District Administrator. The District’s current Board of Directors and relevant contact persons are detailed below.

- **Board of Directors**

Ron Rayner—Chairman  
Brian Turner—Vice Chairman  
John Badley—Secretary  
John Utz—Treasurer  
C. W. Adams

Dale H. Haggard  
Delmar John  
Denton Ross  
Jerry Rovey  
James N. Warkomski

- **Contact Persons**

Jim Downing—District Administrator  
The Harcuvar Company  
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Moyes Storey  
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Kenneth R. Saline—Engineering Consultant  
K. R. Saline & Associates, PLC  
160 N. Pasadena, Ste. 101  
Mesa, AZ 85201-6764  
Ph: (480) 610-8741  
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ED8 purchases Hoover power from the Arizona Power Authority (“the Authority”), and other power from Arizona Public Service Company (“APS”). In addition, ED8 is a party to the Hoover Resource Exchange Program that permits ED8 and other similarly situated utilities to integrate and exchange Hoover power resources. The power and energy from APS and the Authority are transmitted over the Parker-Davis transmission system, the Pacific Northwest-Pacific Southwest Intertie transmission system and the transmission system of APS. Under a contract with APS, the power and energy are delivered over APS’s facilities from the transmission system delivery points to the customers of ED8. ED8 does not own any portion of the electrical transmission or distribution system. Certain distribution transformers located at ED8 customer locations are owned by ED8 customers.

ED8 currently levies an ad valorem property tax and an acreage assessment to cover a small portion of its operating expense, the remainder being met out of power revenues. The policies for service and rates for power provided by ED8 to its customers are determined and set by its Board of Directors. Copies of ED8’s current rate schedules are attached as **Appendix B**.

In addition to crop prices and operating costs, the overall financial feasibility of the farming operations is significantly impacted by water costs from irrigation pumping which is supplied with ED8 electrical power. ED8 purchases the majority of its power resources from the Arizona Power Authority and APS.

The current projection of the District loads for the upcoming two-year and five-year periods does not indicate that additional resources are needed. Over the past several years the District has expanded its service boundaries to add a number of new loads in order to better preserve an affordable rate for irrigation pumping, and to fully utilize the District’s take or pay resources. The resource scheduling and utilization of the District’s resources has been managed through the Resource Exchange Program for the Hoover resource. This resource management program has provided the necessary flexibility for the District to re-pattern its resources monthly to meet its changing loads and exchange the resources with other preference entities that can temporarily utilize the power during the same periods. With the continuation of this program, and current loads and resources, there is not any long-term need for additional resources for the District. Therefore, the District will use its current entitlements of Hoover resources with intermittent purchases of APS supplemental power to meet its projected loads through the five-year planning period.

## District Goals and Objectives

- Provide Reliable Electric Power at Lowest Practicable Cost, Consistent With Sound Business Principles
- Enhance Customer Financial Stability by Providing Services which Enhance Property Values and Provide Long-Term Stability in Electric Power Rates

## Competitive Situation

- **District Contract Information**

Arizona Power Authority (Hoover Power Contract)  
Power Supply and Services Agreement (APS) [Approved by FERC]

- **Regulations Applicable to District**

Energy Planning and Management Program (EPACT '00)

- **Competition With District Service**

APS provides retail service in direct competition to District service and has several retail rates that are openly available to the customers of ED8. In many instances, APS and ED8 serve power to different loads of the same customer.

There is competition for leasing the farm ground within ED8. Many of the landowners in ED8 and other districts lease ground to tenant farmers at net rates based upon land cost and water costs (i.e., pumping costs). Therefore, to the extent that the pumping electrical costs in ED8 become significantly higher than other areas, ED8's landowners will be disadvantaged in the competition for tenant farmers, which may significantly impact the irrigated acreage and electric load of the District, as well as further depress property values.

## Load and Resource Information

- **Historical and Five-Year Load Forecast:**

Oct-Sep	Winter Demand CP @ Sub (kW)	Summer Demand CP @Sub (kW)	Peak Annual Growth	Energy @Substation (kWh)	Energy @Meters (kWh)	Load Factor
1997	27,618	32,608		114,988,629	107,824,838	40%
1998	28,081	35,924	10%	121,152,160	114,381,668	38%
1999	19,943	32,522	-9%	111,965,729	105,807,613	39%
2000	17,678	32,501	0%	122,020,951	115,309,800	43%
2001	21,239	42,630	31%	161,010,230	152,150,483	43%
2002	36,341	42,313	-1%	203,242,273	192,063,949	55%
2003	38,412	47,293	12%	206,622,311	195,258,084	50%
2004	41,681	47,321	0%	237,345,502	224,291,499	57%
2005	43,463	46,546	-2%	199,099,727	188,149,243	49%
2006	41,180	48,737	5%	221,958,268	209,750,563	52%
<b><i>Current Forecast</i></b>						
2007	41,180	48,737	0%	221,958,268	209,750,563	52%
2008	41,180	48,737	0%	221,958,268	209,750,563	52%
2009	41,180	48,737	0%	221,958,268	209,750,563	52%
2010	41,180	48,737	0%	221,958,268	209,750,563	52%
2011	41,180	48,737	0%	221,958,268	209,750,563	52%

See **Appendix C** for a summary of the historical monthly load information as well as a graphical illustration of how the District schedules its resources to cover its loads in a typical year.

- **Customer Profile Information**

- Agriculture—100%
  - Irrigation Pumping Plants—87%
  - Other Ag-Related Loads—13%

See **Appendix C** for a graphical illustration.

- **Supply Side Resources**

The District anticipates that current federal resources under contract and continuation of the Resource Exchange Program will be sufficient for the District to meet its monthly power and energy requirements through the short-term and long-term planning periods. Some APS supplemental power will continue to be purchased from time-to-time to cover any short-term power deviations. As noted in ED8's previous Integrated Resource Plan ("IRP"), on December 31, 2005, the District's previous contractual arrangements with APS expired. Due to economic and other considerations, it was determined that the most practicable option to replace these agreements was to negotiate successor contracts with APS. Beginning January 1, 2006, the District began operating under its new Power Supply and Services Agreement with APS. Detailed below are the District's current contractual commitments:

Arizona Power Authority (Hoover Power) at Buckeye Substation:

- Hoover A & B Capacity & Energy
  - 23,260 kW (Maximum with Hoover Firming Capacity)
  - 55,705,000 kWh (Contract Entitlement)
- Expires September 30, 2017

Power Supply and Services Agreement (APS)

- Capacity & Energy as needed
- Wheeling from Buckeye Substation to meters
- Meter Reading and Customer Billing Services
- Losses from Substation to meters: 7.9% Demand, 5.5% Energy
- Expires December 31, 2020

- **Demand Side Resources**

The majority of the District's electric power is utilized to pump groundwater for agricultural purposes. The following is a list of some of the on-going water conservation practices which are implemented by the District's customers to efficiently utilize groundwater and therefore electricity.

Drip Irrigation	Graded Furrow or Border	Use of Gated Pipe
Alternate Furrow Irrigation	Portable Sprinklers	Micro spray Systems
Cut-Back Irrigation	Uniform Slopes	Tail Water Recovery
Angled Rows	Deficit Irrigation	Irrigation Scheduling
Shortened Field Lengths	Soil & Water Amendments	Concrete Ditch Lining
Land Leveling	Cropping Pattern-Winter vs. Summer	Precision Tillage

## Identification and Comparison of Resource Options

The identification of options for additional resources within this IRP is coordinated through an examination of the costs and benefits for each resource. Because the majority of the District's customers already implement numerous irrigation and agricultural efficiency practices in their operations, opportunities for additional energy savings through demand side management ("DSM") are very limited. However, the District will continue to look for other opportunities for energy savings from evolving technological advances in agricultural practices. To the extent practicable, the District will also endeavor to promote customer awareness of pumping workshops and other similar forums for further education on advancements in water conservation practices and technology.

## Designation of Options

If additional resources are needed, the least cost option is identified from a cost benefit analysis. This information is considered by the Board of Directors in public meetings and combined with other information to select an Action Plan for the District which conforms with the regulations and guidelines of the Energy Planning and Management Program. The selection of the District's Action Plan also includes consideration for reliability of service, economics, rate impacts and price elasticity, environmental effects, regulatory impacts and risks, legal considerations and risks, competitive impacts, social acceptance and public considerations and any other factors which may be identified from time-to-time which may be pertinent in selecting or implementing an Action Plan.

## Action Plan

- **Resource Action Plan**

The time period covered by the District's Action Plan is the five-year period from 2007 through 2011.

The District has determined that to provide reliable electric power at the lowest practicable cost, consistent with sound business principles, the District will continue using its long-term entitlements of Hoover power to supply the District's projected long-term power requirements. The current federal resources and continuation of the Authority Hoover Resource Exchange Program will be sufficient for the District to meet its monthly power and energy requirements through the short-term and long-term planning periods. Additional purchases of APS supplemental power will continue to be made from time-to-time to cover any short-term power deviations. Over the past several years, several farming enterprises requested addition to ED8's service area. These parcels were added and the District's loads increased incrementally. Since new lands are only added

on a case-by-case basis and require Board approval and County Board of Supervisor notification, the potential for such additions in the future is unlikely. With the addition of these lands, the District's loads remain basically stable, based upon the number of farms and connected pumps. Any increase for the District above the new load level is not expected. The power supply to serve these loads is provided from existing contracts and the Authority Resource Exchange Program; therefore, additional supplies are currently not required. However, the District continues to participate in the Southwest Public Power Resources ("SPPR") Group in evaluating future resource opportunities. The SPPR Group represents 20 Participants comprised of thirty-nine public power entities providing service in Arizona, California, and Nevada. Although the District does not anticipate any immediate change in resource options due to the efforts of the SPPR Group, it may assist the District in accessing new long-term options in the future. The District continuously reevaluates the possible need for new resources, the availability of less costly resources and the potential for additional DSM activities. The District's Resource Action Plan enhances customer financial stability by providing services that will enhance property values and provide long-term stability in electric power rates.

Since no new resources are needed, there are no milestones to evaluate accomplishment of the Plan activities. Nevertheless, the District will monitor any adjustments to the Plan for the long-term resource needs and will annually review its electric loads and resources for any significant changes. In the event the loads of the District are projected to materially increase above those levels represented in the Load and Resource information, other than normal deviations due to cropping changes or weather impacts, the District will review its forecast and evaluate the need for modifying its IRP and notify Western accordingly. In any event, the District will evaluate its load forecast and resource information in detail every five years and refresh its IRP, in accordance with Western's regulations.

- **Conservation Action Plan**

The District has decided to continue certain conservation activities to promote and maintain energy efficiency and customer awareness for conserving electric, water, and land resources.

**Period:** Calendar Year 2007 through 2011  
**Activity:** Information Exchange Program  
**Goal:** Test 20% of customer pumping plants every year for 5 years.  
The District attempts to test all pumps once or twice each year.  
**Activity Description:** Irrigation Pump Efficiency Testing

**Period:** Calendar Year 2007 through 2011  
**Activity:** Information Exchange Program

**Goal:** Continue funding AZMET Program to provide District farmers with real-time weather information to assist in scheduling irrigation.

**Activity Description:** AZMET Program

- **Validation and Evaluation**

**Irrigation Pump Efficiency Testing**

The District's farmers own and operate their own pumps. The District's program of testing customer pumping plants will continue to help the customers evaluate each pumping plant and identify pumping plants which may be experiencing a decrease in overall pumping efficiency. Under this program the District will attempt to test each pumping plant operated within the District periodically in cooperation with the District's customers. Historically, the District has achieved great success with this program, as most pumps have been tested annually, with some being tested twice in a year. With the pump test information, and previous test information, an efficiency trend pattern can be prepared. From the test information, the associated cost savings that might result if the tested pump were operating at a theoretical 100% efficiency level can be provided to the customer based upon the current District rates. The efficiency information may assist the growers in scheduling planned maintenance of the pumping plants and identify the financial benefit from performing the efficiency improvements on a more frequent basis. Overall, on a District wide basis, the ongoing pump testing and monitoring activity should encourage more frequent pump maintenance which will result in an overall efficiency improvement and energy savings. The Conservation Action Plan will be evaluated annually to determine whether 20% of the pumping plants have been tested in that year.

**AZMET Program**

The District sponsors the University of Arizona's Arizona Meteorological Network ("AZMET") program. This program provides meteorological data and weather-based information to agricultural and horticultural interests operating in southern and central Arizona. Meteorological data is collected from a network of automated weather stations located in both rural and urban production settings. This data includes temperature (air and soil), humidity, solar radiation, wind (speed and direction), and precipitation. AZMET also provides a variety of computed variables, including heat units (degree-days), chill hours, and reference crop evapotranspiration (ET<sub>o</sub>). This real-time information allows District customers to more accurately schedule irrigation application in keeping with current weather conditions. As irrigation is more efficient, less water must be pumped to meet the farming needs, which results in the conservation of energy. The Conservation Action Plan will be evaluated annually to determine whether or not the expected benefit to the farmers continues to be greater than the cost of continuing funding for the program.

## Environmental Effects

The District is required, to the extent practicable, to minimize adverse environmental effects of new resource acquisitions and document these efforts in the IRP. Since the District does not foresee the acquisition of any additional resources, there are no adverse environmental effects caused by new resource acquisition. Under the District's current resource plan, the District utilizes hydroelectric resources to meet the majority of its electric loads. To the extent the District utilizes the Authority Hoover Resource Exchange Program to optimally utilize the hydroelectric resources of the District and other similarly situated utilities, such efforts should be environmentally beneficial because such increased utilization would offset fossil fuel-fired steam generation purchases.

In addition to maximizing the hydroelectric resources, the District's customers are involved in substantial water conservation programs in their farming practices. The investment made by the District's customers in installed water conservation technology is extensive and far-reaching. Their ongoing conservation practices and ongoing maintenance of conservation investments continue to conserve significant amounts of groundwater, and thereby electricity, annually. To the extent the District sponsors conservation activities and information activities with its customers, the conservation of groundwater is the fundamental achievement, which is environmentally beneficial and economically sound.

## Public Participation

The District has held two public meetings to discuss the development of ED8's IRP.

Prior to the first meeting, the District posted notice in advance of the meeting, giving the time and place of the meeting and specifying that the District would be considering a draft IRP at the meeting. The notice was posted in accordance with statutory open meeting law requirements. The notice stated that the draft IRP would be available to the public in advance of the meeting and that public comment on the draft IRP would be accepted at the meeting. A copy of the notice is attached as **Appendix D**. The District also posted notice in advance of the second meeting, giving the time and place of the meeting and specifying that the District would be considering a draft IRP at the meeting. A copy of this notice is also included in **Appendix D**.

At the meetings, the draft IRP was presented to the Board. After discussion and the opportunity for public comment, the Board authorized the preparation of a final IRP, with such revisions as the Board deemed appropriate. There were no public comments at either meeting.

**Appendix A - Map of Service Territory**

2N 13W	2N 12W	2N 11W	2N 10W	2N 9W	2N 8W	2N 7W	2N 6W	2N 5W	2N 4W	2N 3W	2N 2W	2N 1W
1N 13W	1N 12W	1N 11W	1N 10W	1N 9W	1N 8W	1N 7W	1N 6W	1N 5W	1N 4W	1N 3W	1N 2W	1N 1W
1S 13W	1S 12W	1S 11W	1S 10W	1S 9W	1S 8W	1S 7W	1S 6W	1S 5W	1S 4W	1S 3W	1S 2W	1S 1W
2S 13W	2S 12W	2S 11W	2S 10W	2S 9W	2S 8W	2S 7W	2S 6W	2S 5W	2S 4W	2S 3W	2S 2W	2S 1W
3S 13W	3S 12W	3S 11W	3S 10W	3S 9W	3S 8W	3S 7W	3S 6W	3S 5W	3S 4W	3S 3W	3S 2W	3S 1W
4S 13W	4S 12W	4S 11W	4S 10W	4S 9W	4S 8W	4S 7W	4S 6W	4S 5W	4S 4W	4S 3W	4S 2W	4S 1W
5S 13W	5S 12W	5S 11W	5S 10W	5S 9W	5S 8W	5S 7W	5S 6W	5S 5W	5S 4W	5S 3W	5S 2W	5S 1W
6S 13W	6S 12W	6S 11W	6S 10W	6S 9W	6S 8W	6S 7W	6S 6W	6S 5W	6S 4W	6S 3W	6S 2W	6S 1W
7S 13W	7S 12W	7S 11W	7S 10W	7S 9W	7S 8W	7S 7W	7S 6W	7S 5W	7S 4W	7S 3W	7S 2W	7S 1W
8S 13W	8S 12W 8S 11.5W	8S 11W	8S 10W	8S 9W	8S 8W	8S 7W	8S 6W	8S 5W	8S 4W	8S 3W	8S 2W	8S 1W

La Paz County

Yuma County

Maricopa County

**Electrical District Number Eight**

**DISCLAIMER:**  
K.R. Saline & Associates, PLC  
Do not warrant the accuracy  
or location of the facilities shown



8-29-06

**ELECTRICAL DISTRICT NUMBER EIGHT OF MARICOPA COUNTY**

ELECTRIC RATES  
EFFECTIVE JUNE 1, 2006

	<b>Irrigation Rate 1</b>	<b>Other Irrigation Rate 10</b>	<b>Non- Irrigation Rate 11&amp;12</b>
Demand	\$4.71	\$5.28	\$6.10
Energy	\$0.03140	\$0.03520	\$0.04070
Customer	\$49.50	\$49.50	\$49.50
Yuma Co. Tax			7.20%
Maricopa Co. Tax			6.30%

**ELECTRICAL DISTRICT NUMBER EIGHT OF MARICOPA COUNTY**

*Demand @ Pump (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	11,256	7,397	11,321	11,997	12,209	25,073	25,825	23,780	26,767	28,197	29,602	26,395	29,602
1998	19,145	13,204	16,908	19,261	13,184	25,863	33,086	32,845	27,046	32,504	31,447	35,261	35,261
1999	18,367	9,599	9,708	12,207	14,956	18,327	28,914	29,953	26,860	27,730	27,067	23,330	29,953
2000	16,281	11,145	10,302	11,622	14,042	15,680	24,132	25,682	26,268	29,934	29,593	25,567	29,934
2001	18,253	11,099	16,136	16,527	19,164	19,561	32,625	38,301	37,674	39,262	37,983	33,877	39,262
2002	27,226	23,572	20,032	23,961	23,956	33,470	36,658	37,396	37,613	38,799	38,970	38,939	38,970
2003	36,299	29,917	32,036	32,562	30,868	41,620	44,712	50,450	51,243	50,340	49,045	47,205	51,243
2004	42,715	35,630	31,296	27,991	29,891	38,388	41,780	43,412	43,190	43,490	43,458	43,583	43,583
2005	40,029	21,255	18,539	21,135	21,329	37,007	41,534	41,882	42,594	41,686	42,712	42,869	42,869
2006	37,927	30,464	27,089	29,067	30,305	31,702	40,842	43,581	44,163	44,515	44,814	44,887	44,887

*Demand @ Substation (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	12,399	8,148	12,470	13,215	13,449	27,618	28,447	26,205	29,485	31,060	32,608	29,074	32,608
1998	21,089	14,545	18,625	20,913	14,315	28,081	35,924	35,662	29,365	35,292	34,144	32,543	35,924
1999	19,943	10,422	10,540	13,255	16,239	19,899	31,394	32,522	29,164	30,109	29,389	25,331	32,522
2000	17,678	12,101	11,186	12,618	15,247	17,025	26,202	27,885	28,521	32,501	32,131	27,760	32,501
2001	19,819	12,051	17,520	17,945	20,808	21,239	35,423	41,587	40,905	42,630	41,241	36,783	42,630
2002	29,561	25,594	21,751	26,017	26,011	36,341	39,802	40,603	40,840	42,127	42,313	42,279	42,313
2003	33,501	27,610	29,567	30,052	28,489	38,412	41,265	46,561	47,293	46,459	45,264	43,566	47,293
2004	39,422	32,884	28,884	30,392	32,455	41,681	45,364	47,136	46,895	47,221	47,186	47,321	47,321
2005	43,463	23,078	20,129	22,948	23,159	40,181	45,097	45,474	46,248	45,262	46,376	46,546	46,546
2006	41,180	33,077	29,413	31,560	32,904	34,421	44,345	47,319	47,951	48,333	48,658	48,737	48,737

*Energy @ Pump (kWh)*

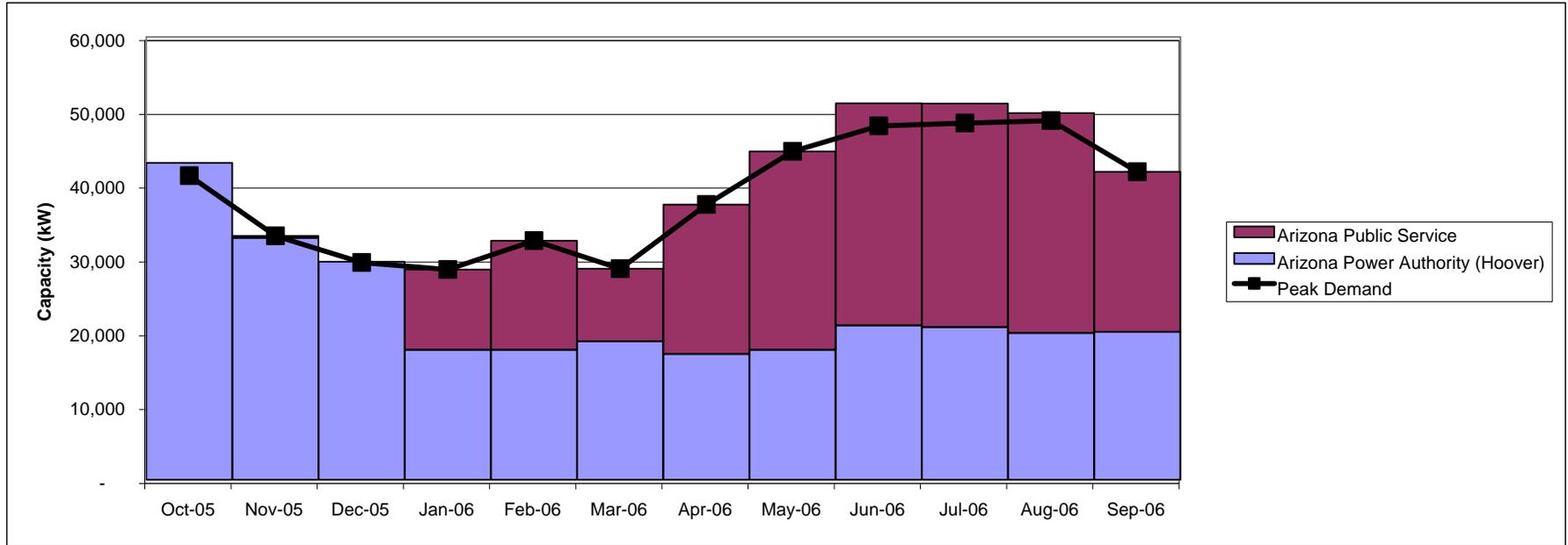
Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	2,451,779	1,466,619	2,672,747	4,110,088	4,175,208	12,707,268	12,474,375	9,954,209	14,675,814	18,826,553	15,461,409	8,848,769	107,824,838
1998	4,982,471	3,542,548	5,235,163	4,758,961	1,885,959	7,839,757	16,507,716	14,678,504	11,689,297	14,464,296	15,815,032	12,981,964	114,381,668
1999	5,372,370	2,039,502	2,980,397	3,421,513	5,001,062	8,142,062	10,800,818	14,462,666	13,235,224	15,044,323	15,536,845	9,770,831	105,807,613
2000	5,962,699	2,688,030	2,998,776	3,481,410	4,437,739	4,652,458	12,174,282	13,571,849	15,671,137	18,717,827	17,401,491	13,552,102	115,309,800
2001	7,004,824	2,301,816	4,690,154	4,069,128	5,486,190	7,154,468	17,725,597	21,260,710	22,724,209	24,001,796	19,860,448	15,871,143	152,150,483
2002	10,232,814	8,047,168	4,840,123	8,778,413	8,427,904	15,348,902	21,539,011	22,098,734	22,077,034	25,946,178	24,600,897	20,126,771	192,063,949
2003	12,456,924	7,391,855	6,566,227	7,382,719	6,805,553	12,620,967	19,730,081	23,467,909	25,409,232	27,185,754	23,340,451	22,900,412	195,258,084
2004	17,527,333	8,208,830	7,516,302	8,885,688	9,293,197	17,098,074	22,335,742	23,841,093	27,319,283	27,840,736	26,825,157	27,600,064	224,291,499
2005	15,613,307	4,445,476	4,550,759	4,752,977	4,970,097	14,697,348	21,292,595	21,522,613	24,734,415	26,735,139	21,953,746	22,880,771	188,149,243
2006	14,567,984	11,675,327	7,250,277	8,460,389	11,414,459	10,457,305	18,307,207	24,548,616	26,920,950	26,920,950	26,838,352	22,388,747	209,750,563

*Energy @ Substation (kWh)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	2,614,673	1,564,060	2,850,322	4,383,159	4,452,605	13,551,528	13,303,162	10,615,558	15,650,863	20,077,373	16,488,652	9,436,674	114,988,629
1998	5,313,502	3,777,911	5,582,982	5,035,938	1,995,724	8,296,039	17,468,483	15,532,808	12,369,627	15,306,134	16,735,484	13,737,528	121,152,160
1999	5,685,048	2,158,204	3,153,859	3,620,649	5,292,129	8,615,938	11,429,437	15,304,409	14,005,528	15,919,919	16,441,105	10,339,504	111,965,729
2000	6,309,734	2,844,476	3,173,307	3,684,032	4,696,020	4,923,235	12,882,839	14,361,745	16,583,214	19,807,224	18,414,276	14,340,849	122,020,951
2001	7,412,512	2,435,784	4,963,126	4,305,955	5,805,492	7,570,865	18,757,245	22,498,105	24,046,782	25,398,726	21,020,778	16,794,860	161,010,230
2002	10,828,375	8,515,521	5,121,823	9,289,326	8,918,417	16,242,224	22,792,604	23,384,903	23,361,941	27,456,273	26,032,696	21,298,170	203,242,273
2003	13,181,930	7,822,069	6,948,388	7,812,401	7,201,643	13,355,521	20,878,393	24,833,766	26,888,076	28,767,994	24,698,890	24,233,240	206,622,311
2004	18,547,442	8,686,593	7,953,759	9,402,844	9,834,071	18,093,200	23,635,706	25,228,670	28,909,294	29,461,096	28,386,410	29,206,417	237,345,502
2005	16,522,018	4,704,207	4,815,618	5,029,605	5,259,362	15,552,749	22,531,847	22,775,252	26,173,984	28,291,152	23,231,477	24,212,456	199,099,727
2006	15,415,856	12,354,843	7,672,251	8,952,793	12,078,793	11,065,931	19,372,706	25,977,371	28,487,778	28,487,778	28,400,372	23,691,796	221,958,268

**ELECTRICAL DISTRICT NUMBER EIGHT OF MARICOPA COUNTY**

*SCHEDULED RESOURCES TO COVER TYPICAL PEAK DEMAND*



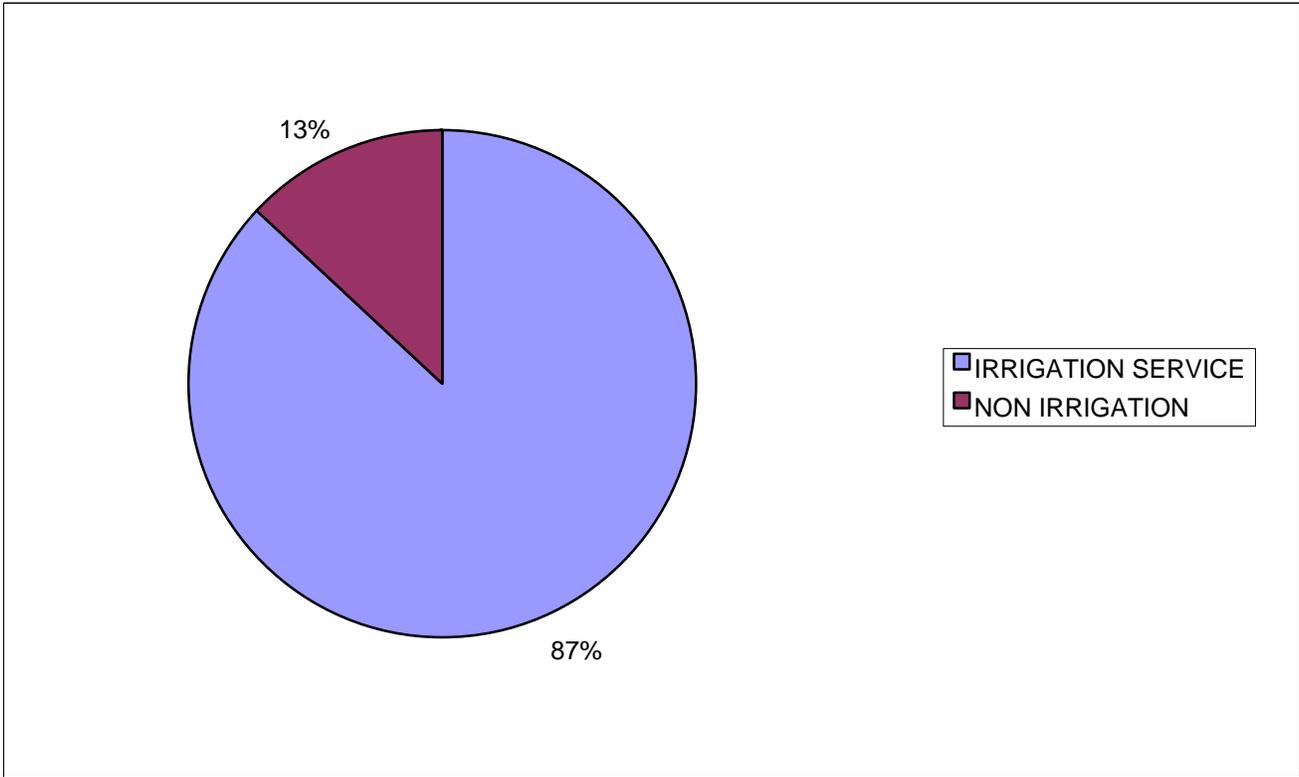
*Resources*

	<u>Oct-05</u>	<u>Nov-05</u>	<u>Dec-05</u>	<u>Jan-06</u>	<u>Feb-06</u>	<u>Mar-06</u>	<u>Apr-06</u>	<u>May-06</u>	<u>Jun-06</u>	<u>Jul-06</u>	<u>Aug-06</u>	<u>Sep-06</u>
<i>Arizona Power Authority (Hoover)</i>	42,915	32,763	29,533	17,616	17,616	18,754	17,046	17,611	20,915	20,683	19,892	20,043
<i>Arizona Public Service</i>	-	289	-	10,856	14,757	9,824	20,221	26,859	30,080	30,292	29,799	21,663
<b>Peak Demand</b>	<b>41,180</b>	<b>33,052</b>	<b>29,413</b>	<b>28,472</b>	<b>32,373</b>	<b>28,578</b>	<b>37,267</b>	<b>44,470</b>	<b>47,951</b>	<b>48,333</b>	<b>48,658</b>	<b>41,706</b>

**ELECTRICAL DISTRICT NUMBER EIGHT OF MARICOPA COUNTY**

*Customer Profile*

<b>Customer Type</b>	<b># of Customers</b>
<i>IRRIGATION SERVICE</i>	404
<i>NON IRRIGATION</i>	60
Total	464



Board of Directors

Ronald Rayner Chairman	C. W. Adams Dale H. Haggard
Brian Turner Vice-Chairman	Delmar John Denton Ross
John Badley Secretary	Jerry Rovey James N. Warkomski
John Utz Treasurer	

## Reply to:

James D. Downing, P.E.  
66768 Hwy 60  
P.O. Box 99  
Salome, AZ 85348  
PHONE: (928) 859-3647  
FAX: (928) 859-3145  
MOBILE: (602) 531-3910

MEETING NOTICE

**Date:** Wednesday, November 15, 2006      **Location:** Agri-Business Center  
Conference Room  
25560 West Highway 85  
Buckeye, Arizona

**Time:** Regular Session, 1:00 p.m.

**BOARD MEETING AGENDA**

Executive Session to obtain advice of legal counsel, pursuant to A.R.S. 38-431.03(A) (3) and (4). (This item is not open to the public).

- I. Executive Session
- II. Call Regular Meeting to Order
- III. Secretary's Report and Approval of Minutes of Prior Meeting(s)
- IV. Treasurer's Report
  - A. Balance Sheet
  - B. Income & Expense Report
  - C. Investment Portfolio and Authorization of Management Activities
  - D. Authorization of District Disbursements
  - E. Delinquent Accounts Status and Action on Responses
- V. Electrical Power Supply and Usage Report
  - A. Discussion and possible action concerning APA, APS, WAPA, BOR, ACC and FERC, and Power Scheduling
- VI. Old Business
 

*Review and Possible Action on the following matters:*

  - A. Review and Possible Adoption of New District By-Laws and/or Rules and Regulations
  - B. District Divisions and Land Ownership
  - C. Board Vacancy
- VII. New Business
 

*Review and Possible Action on the following matters:*

  - A. 3,200 Acre Petition for Inclusion
  - B. Security Deposits
  - C. Discussion and Possible Approval of the District's Updated Five-Year IRP
- VIII. Action on Executive Session Items, if any
- IX. Call for Public Comments
- X. Announcements and Adjournment

NOV - 8 2006

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**ELECTRICAL DISTRICT NUMBER EIGHT**

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**Board of Directors**

<b>Ronald Rayner</b>	<b>C. W. Adams</b>
<b>Chairman</b>	<b>Dale H. Haggard</b>
<b>Brian Turner</b>	<b>Delmar John</b>
<b>Vice-Chairman</b>	<b>Denton Ross</b>
<b>John Badley</b>	<b>Jerry Rovey</b>
<b>Secretary</b>	<b>James N. Warkomski</b>
<b>John Utz</b>	
<b>Treasurer</b>	

**Reply to:**

**James D. Downing, P.E.**  
**66768 Hwy 60**  
**P.O. Box 99**  
**Salome, AZ 85348**  
**PHONE: (928) 859-3647**  
**FAX: (928) 859-3145**  
**MOBILE: (602) 531-3910**

**NOTICE**

Electrical District No. 8 ("the District") will be holding a Board meeting at 1:00 pm on November 15, 2006 at 25560 West Highway 85, Buckeye, AZ. At that Board meeting the District will approve its Integrated Resource Plan. This Integrated Resource Plan, which is required by the Western Area Power Administration, details the District's power resource plan for the next five years. The final Integrated Resource Plan will be available to the public five (5) days prior to the meeting. Written comments regarding the Integrated Resource Plan will be accepted anytime prior to or at the meeting. Public comments will also be accepted at this time.

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**ELECTRICAL DISTRICT NUMBER EIGHT**

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**Board of Directors**

Ronald Rayner Chairman	C. W. Adams Dale H. Haggard
Brian Turner Vice-Chairman	Delmar John Denton Ross
John Badley Secretary	Jerry Rovey James N. Warkomski
John Utz Treasurer	

**Reply to:**

James D. Downing, P.E.  
66768 Hwy 60  
P.O. Box 99  
Salome, AZ 85348  
PHONE: (928) 859-3647  
FAX: (928) 859-3145  
MOBILE: (602) 531-3910

**MEETING NOTICE**

**Date:** Wednesday, December 20, 2006      **Location:** Agri-Business Center  
Conference Room  
**Time:** Regular Session, 1:00 p.m.      25560 West Highway 85  
Buckeye, Arizona

**BOARD MEETING AGENDA**

Executive Session to obtain advice of legal counsel, pursuant to A.R.S. 38-431.03(A) (3) and (4). (This item is not open to the public).

- I. Executive Session
- II. Call Regular Meeting to Order
- III. Secretary's Report and Approval of Minutes of Prior Meeting(s)
- IV. Treasurer's Report
  - A. Balance Sheet
  - B. Income & Expense Report
  - C. Investment Portfolio and Authorization of Management Activities
  - D. Authorization of District Disbursements
  - E. Delinquent Accounts Status and Action on Responses
- V. Electrical Power Supply and Usage Report
  - A. Discussion and possible action concerning APA, APS, WAPA, BOR, ACC and FERC, and Power Scheduling
- VI. Old Business

*Review and Possible Action on the following matters:*

  - A. Review and Possible Adoption of New District By-Laws and/or Rules and Regulations
  - B. District Divisions and Land Ownership
  - C. Board Vacancy
- VII. New Business

*Review and Possible Action on the following matters:*

  - A. 3,200 Acre Petition for Inclusion
  - B. Security Deposits
  - C. Discussion and Possible Approval of the District's Updated Five-Year IRP
  - D. 2007 Election
  - E. 2007 Meeting Dates
- VIII. Action on Executive Session Items, if any
- IX. Call for Public Comments
- X. Announcements and Adjournment

Note: It is not expected the Executive Session will take longer than 30 minutes, though it may be shorter, and the public session will reconvene promptly upon conclusion of the Executive Session, no earlier than 1:00 p.m.