

**Via E-mail & USPS**

December 15, 2006

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

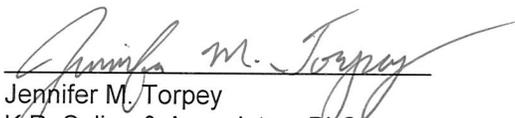
Re: Electrical District Number Six Integrated Resource Plan

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 Six ("ED6"), pursuant to 10 C.F.R. § 905.13(b), is the second five-year update to ED6's Integrated Resource Plan. This update was approved by ED6's Board of Directors at a public meeting held on December 12, 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.)  
William Baker (w/encl.)

**INTEGRATED  
RESOURCE  
PLAN**

**SECOND FIVE-YEAR UPDATE**

**ELECTRICAL DISTRICT NO. 6  
PINAL COUNTY  
STATE OF ARIZONA**

**December 12, 2006**

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## Profile Data

Electrical District Number Six, Pinal County, and the State of Arizona (“ED6” or “the District”) is a political subdivision of the State of Arizona. ED6 is an electrical district formed pursuant to Chapter 12 of Title 48 of the Arizona Revised Statutes. The District was formed in 1958 for the purpose of providing power and energy primarily for use in pumping water for irrigation. It also serves pumps owned by New Magma Irrigation & Drainage District. ED6 has been providing electrical service to its service area since 1964.

ED6 is located mainly in Pinal County but also in Maricopa County. The District has a service area of approximately 55,000 acres. ED6 serves irrigation pumping loads, the loads of the New Magma Irrigation & Drainage District and Queen Creek Irrigation District, and other agriculture-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 ED6’s service area is provided in **Appendix A**.

ED6 is governed by a seven-member Board of Directors elected by landowners of property within ED6’s boundaries. It has no staff. The District’s current Board of Directors and relevant contact persons are detailed below.

- **Board of Directors**

Jim V. Wales—President  
Michael Gantzel—Vice President  
Max Koepnick—Secretary  
Lee Smith

Newell A. Barney  
Vinson C. Dobson  
Michael Hastings

- **Contact Persons**

Jim V. Wales—President  
Electrical District Number 6  
P. O. Box 142  
Queen Creek, AZ 85242

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ED6 purchases Hoover power from the Arizona Power Authority (“the Authority”), SLCA/IP power from Western Area Power Administration (“Western”), and other power from Arizona Public Service Company (“APS”), and the Salt River Project (“SRP”). In addition, ED6 is a party to the Hoover Resource Exchange Program and an Integrated Resource Scheduling Agreement. These arrangements permit ED6 and other similarly situated utilities to integrate and exchange Hoover and SLCA/IP power resources. The power and energy from the Authority, Western, APS, and SRP are transmitted over the Parker-Davis transmission system, the Pacific Northwest-Pacific Southwest Intertie transmission system, the CRSP transmission system and the transmission systems of APS and SRP. The power and energy are delivered from the transmission system delivery points to the customers of ED6 over APS’s and SRP’s facilities under wheeling contracts with those entities. ED6 does not own any portion of the electrical transmission or distribution system. However, certain distribution transformers located at ED6 customer locations are owned by the ED6 customers.

ED6’s operating expenses are met out of power revenues. The policies for service and rates for power provided by ED6 to its customers are determined and set by its Board of Directors.

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 ED6 electrical power and by the cost of Central Arizona Project water supplied by the irrigation districts. ED6 purchases the majority of its power resources from the Authority and Western.

The current projection of the District loads for the upcoming two-year and five-year periods does not indicate that additional resources are needed. The irrigation pumping loads have declined over the past several years due to the usage of Central Arizona Project water, but this source of water may either become too costly or not as readily available in the future, thereby causing the farmers to return to irrigation pumping. The resource scheduling and utilization of the District’s resources have been managed through the Authority’s Hoover Resource Exchange Program and through the District’s participation in an Integrated Resource Scheduling program for Hoover and SLCA/IP resources, respectively. These resource management programs have 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 these programs, 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 and SLCA/IP resources with intermittent purchases of APS and SRP 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)  
Western Area Power Administration (SLCA/IP Contract)  
Power Supply and Services Agreement with APS [approved by FERC]  
Power Services Master Agreement with SRP

- **Regulations Applicable to District**

Energy Planning and Management Program (EPACT '00)

- **Regulations Applicable to District Customers**

Arizona Department of Water Resources—Groundwater Management Act  
Availability and pricing of Central Arizona Project water.

- **Competition With District Service**

APS and SRP provide retail service in direct competition to District service and have several retail rates that are openly available to the customers of ED6. In many instances, APS, SRP and ED6 serve power to different loads of the same customer.

There is competition for leasing the farm ground within ED6. Many of the land owners in ED6 and other districts lease ground to tenant farmers who lease property based upon lease cost and water costs (i.e., pumping costs). Therefore, to the extent that the costs in ED6 become significantly higher than other areas,

the competition for farm ground may significantly impact the irrigated acreage and electric load of the District.

## Load and Resource Information

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

### *APS & SRP COMBINED SERVICE TERRITORY*

Oct-Sep	Winter Demand CP @ Sub (kW)	Summer Demand CP @Sub (kW)	Peak Annual Growth	Energy @Substation (kWh)	Energy @Meters (kWh)	Load Factor
1997	13,339	12,303		25,491,689	24,069,074	22%
1998	9,710	10,679	-20%	20,038,901	18,937,004	21%
1999	10,184	11,211	5%	22,948,507	21,677,053	23%
2000	9,432	11,277	1%	25,039,506	23,673,737	25%
2001	7,908	8,957	-21%	16,990,054	16,099,226	22%
2002	7,034	8,384	-6%	18,916,456	17,957,866	26%
2003	6,627	8,270	-1%	18,971,944	17,980,855	26%
2004	6,877	8,257	0%	18,585,380	17,583,177	26%
2005	5,460	8,720	6%	16,582,269	15,690,904	22%
2006	3,858	5,211	-40%	17,343,425	16,413,609	38%
<b><i>Current Forecast</i></b>						
2007	3,858	5,211	0%	17,343,425	16,413,609	38%
2008	3,858	5,211	0%	17,343,425	16,413,609	38%
2009	3,858	5,211	0%	17,343,425	16,413,609	38%
2010	3,858	5,211	0%	17,343,425	16,413,609	38%
2011	3,858	5,211	0%	17,343,425	16,413,609	38%

See **Appendix B** for a summary of the historical monthly load information (by operating year) as well as graphical illustrations of how the District schedules its resources to cover its loads in a typical year.

- **Customer Profile Information**

- Irrigation—94%
- Commercial—4%
- Residential—2%

See **Appendix B** for graphical illustrations.

- **Supply Side Resources**

The District anticipates that current federal resources under contract and continuation of the Integrated Resource Scheduling procedures and 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. Some APS and SRP supplemental power will continue to be purchased from time-to-time to cover any short-term power deviations. As noted in ED6's previous Integrated Resource Plan ("IRP"), on December 31, 2005, the District's previous contractual arrangements with APS expired, while on September 30, 2004, the District's previous contractual arrangements with SRP 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 and SRP. Beginning January 1, 2006, the District began operating under its new Power Supply and Services Agreement with APS and on July 1, 2005, the District began operating under its new Power Services Master Agreement with SRP. Detailed below are the District's current contractual commitments:

Arizona Power Authority (Hoover Power) at Coolidge and Pinnacle Peak Substations

- Hoover A Capacity & Energy
  - 7,700 kW (Maximum with Hoover Firming Capacity)
  - 26,318,000 kWh (Contract Entitlement)
- Expires September 30, 2017

Salt Lake City Area/Integrated Project Capacity at Pinnacle Peak and/or Rogers Substation

- Winter Season CROD: 0 kW
- Summer Season CROD: 5,808 kW
- Contract Term: Expires September 30, 2024
- Energy entitlements by fiscal year:

<i>Fiscal Year</i>	<i>Winter Season Energy (kWh)</i>	<i>Summer Season Energy (kWh)</i>
FY 2006	0	9,943,144
FY 2007	0	10,152,078
FY 2008	0	10,361,013
FY 2009 - FY 2024	0	10,569,947

Power Supply and Services Agreement (APS)

- Capacity & Energy as needed
- Wheeling from Coolidge and/or Pinnacle Peak Substation to meters
- Meter Reading and Customer Billing Services
- Losses from Substation to Meters

- Capacity loss factor: 7.9 %
  - Energy loss factor: 5.5 %
- Expires December 31, 2020

Power Services Master Agreement (SRP)

- Capacity and Energy as needed
- Wheeling from Pinnacle Peak Substation to Meters
- Meter Reading Services
- Losses from Substation to Meters: current season losses:
  - Winter 4.9% for Demand and Energy
  - Summer 5.5% for Demand and Energy
- Expires September 30, 2024

- **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 that are implemented by the District’s customers to efficiently utilize groundwater and therefore electricity.

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

## **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 and because the Arizona Groundwater Management Act heavily regulates the use of groundwater, 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 and SLCA/IP power to supply the District's projected long-term power requirements. The current federal resources and continuation of the Integrated Resource Scheduling procedures and 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 and SRP supplemental power will continue to be made from time-to-time to cover any short-term power deviations. The District is not experiencing any anticipated load growth and therefore does not need any new resources at this time. 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.

The District provides electricity to farmlands that are also served from surface water supplies from the Central Arizona Project ("CAP"). The CAP began

delivering water to farmlands within the District in 1986 and the CAP policies for pricing and availability of CAP water have changed dramatically since the start of CAP deliveries. Since pumped water and CAP water are both essential in providing a reliable supply of water to farmed lands, the impacts of CAP water deliveries upon the District's loads can be significant from year-to-year. Currently CAP pricing is reviewed annually to increase sales of CAP water to Arizona entities. CAP water price support programs and in-lieu programs are currently being implemented to encourage additional CAP water usage which impacts the District's annual pumping loads. Even if CAP water could supply the entire water requirements for certain farms, the electric supplies are needed to backup the surface water system to reliably meet the water requirements of the farmed lands during canal outages and to supply ineligible farm lands due to Reclamation Reform Act regulations. The pumps are also used to augment surface water supplies in peak months when canal limitations restrict the amount of water that can be supplied from CAP. While the impact of CAP water is significant upon the seasonal electric requirements of the District, the District's current resources and flexibility provided from the Hoover Resource Exchange Program and Integrated Resource Scheduling procedures should be sufficient for the District to adjust its resources to the changes in load requirements which may result from changes in CAP water delivered to District land owners for the five-year planning horizon.

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 on New Magma Watershed Project

**Goal:** Encourage customers to take part in the New Magma Watershed Project resulting in an anticipated reduction in water usage of approximately 16,900 acre-feet annually in the New Magma Irrigation & Drainage District.

**Activity Description:** Participation in New Magma Watershed Project

- **Validation and Evaluation**

Since the District provides power for the pumping of groundwater and for irrigation purposes, any water or land resource conservation practices that reduce the need for water will also therefore reduce the need for electric power and energy. This goal also meets the goal of the State as expressed in its Groundwater Management Act of 1980, which is designed to reduce the pumping of groundwater, and is also in concert with the goal of the Central Arizona Project authorizing legislation which mandated certain conservation requirements, as well as requiring acre foot for acre foot reduction in the use of groundwater when the CAP water is used.

In addition, both irrigation districts that are located within the boundaries of the District are required by Section 210 of the Reclamation Reform Act of 1982 to "...develop a water conservation plan which shall contain definite goals, appropriate water conservation measures and a time schedule for meeting the water conservation objectives" (Section 210(b) PL97-293; 43 U.S.C. 390jj).

Therefore, the District, through the irrigation districts, has committed to work with the landowners within its boundaries to encourage them to take part in the New Magma Watershed Project, a project sponsored by the Natural Resource Conservation Service (NRCS) of the United States Department of Agriculture, which encourages water conservation practices within the District's geographic boundaries that are consistent with the soil and crops grown in the area. The Project anticipated a reduction in water usage of approximately 16,900 acre-feet annually in the New Magma Irrigation & Drainage District. However, due to funding shortfalls to the program on the part of the NRCS, while some savings have been achieved, the total goal has not yet been achieved. The District further will continue to investigate entering into other such programs that will provide economic incentives for the landowners within the District's geographic boundaries to continue to use surface water rather than groundwater.

## **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 hydro resources to meet the majority of its electric loads. To the extent the District utilizes the Integrated Resource Scheduling program or the Authority Hoover Resource Exchange Program to exchange and better utilize the hydro resources of the District and other similarly situated utilities, such

efforts should be environmentally beneficial since such increased utilization would offset steam generation purchases.

In addition to maximizing the hydro resources, the District's customers are involved in substantial water conservation programs in their farming practices. The installed water conservation investment by the District's customers is extensive and far-reaching. Their ongoing conservation practices and ongoing maintenance of conservation investments continue to conserve significant amounts of groundwater 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. The overall irrigation efficiency of each farmer is heavily regulated by the State of Arizona through the Groundwater Management Act. In addition, New Magma Irrigation & Drainage District has entered into an agreement with the Natural Resource Conservation Service called the New Magma Watershed Project that also encourages water conservation practices within the District.

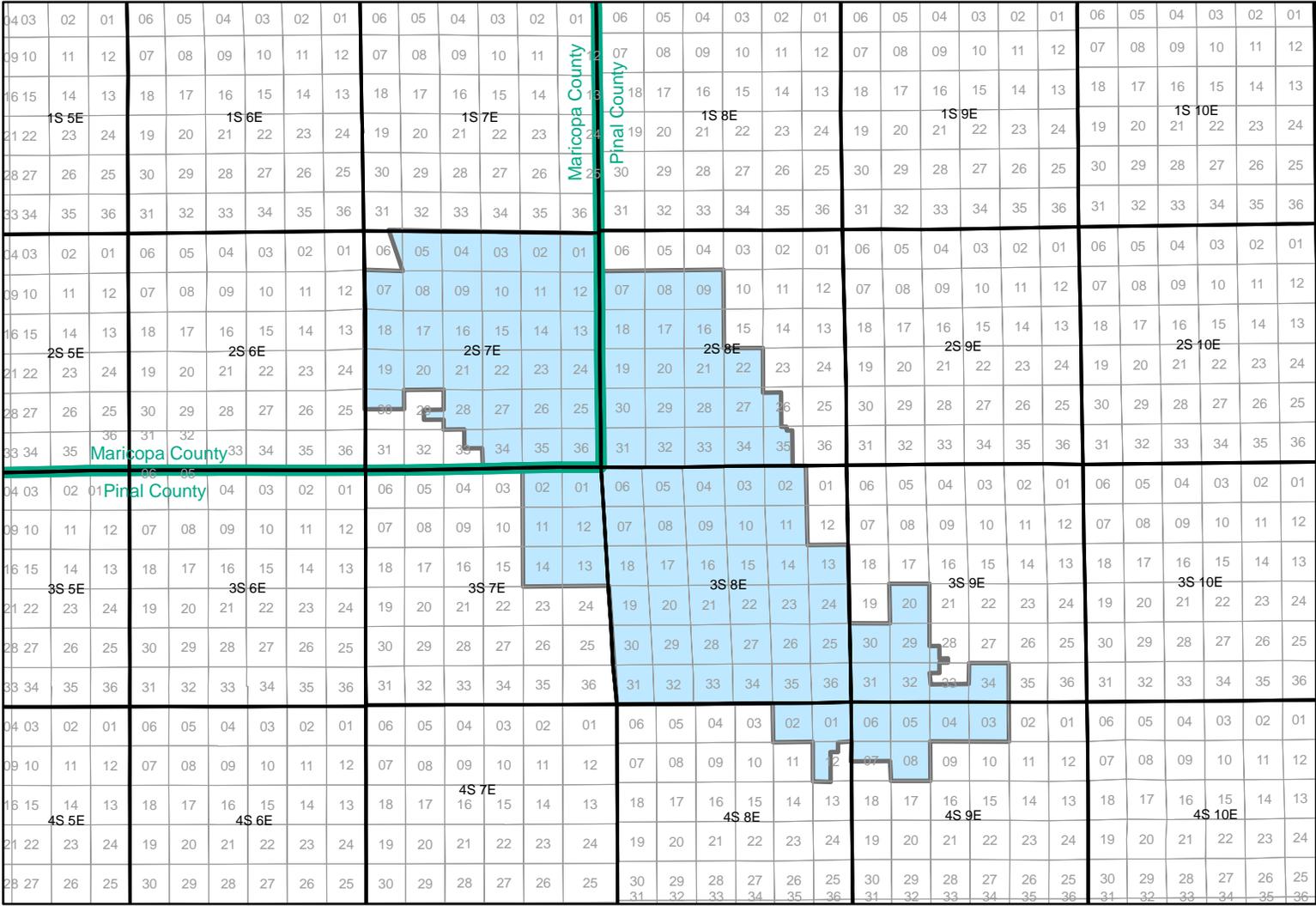
## **Public Participation**

The District has held one public meeting to discuss the development of its IRP.

Prior to the meeting, the District posed 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. A copy of the notice is attached as **Appendix C**.

At the meeting, 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.

**APPENDIX A -- Map of Service Territory**



**Electrical District Number Six**



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



8-29-06

**ELECTRICAL DISTRICT NUMBER SIX****COMBINED SERVICE TERRITORIES***Demand @ Meters (kW)*

<u>Year</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>Max</u>
1997	6,190	7,402	7,764	6,848	7,560	12,525	10,901	10,842	11,132	11,423	10,499	9,468	12,525
1998	8,062	6,273	6,156	6,552	6,586	9,172	9,332	9,879	9,846	9,915	8,970	7,410	9,915
1999	7,495	6,752	7,316	7,531	7,385	9,549	10,530	9,555	10,322	10,353	9,621	8,746	10,530
2000	7,061	6,494	6,917	6,945	8,319	8,885	10,629	9,987	9,407	9,111	9,394	7,559	10,629
2001	5,957	5,036	5,192	5,417	3,178	7,173	8,200	6,858	8,405	7,808	7,165	6,107	8,405
2002	5,357	6,369	6,114	5,606	4,852	6,598	7,182	7,299	7,484	7,942	6,561	6,183	7,942
2003	5,107	5,583	5,945	5,903	6,182	6,074	7,812	7,342	7,442	7,020	5,871	6,129	7,812
2004	5,206	4,877	5,625	5,052	5,133	6,479	7,204	7,235	7,242	7,779	6,544	6,134	7,779
2005	5,144	5,089	5,108	3,922	2,990	4,962	8,233	7,010	7,024	4,788	4,080	4,276	8,233
2006	3,614	2,869	2,775	2,635	2,959	3,005	4,721	4,889	4,510	4,212	3,917	3,312	4,889

*Demand @ Substation (kW)*

<u>Year</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>Max</u>
1997	6,585	7,876	8,268	7,293	8,044	13,327	11,608	11,471	11,784	12,097	11,114	10,041	13,327
1998	8,548	6,649	6,530	6,937	6,974	9,710	9,872	10,480	10,451	10,519	9,518	7,861	10,519
1999	7,962	7,179	7,773	7,991	7,846	10,140	11,185	10,139	10,954	10,981	10,208	9,270	11,185
2000	7,497	6,899	7,348	7,367	8,832	9,432	11,277	10,584	9,973	9,659	9,953	8,011	11,277
2001	6,317	5,333	5,499	5,752	3,371	7,600	8,691	7,250	8,880	8,252	7,567	6,446	8,880
2002	5,667	6,734	6,463	5,918	5,122	6,974	7,588	7,704	7,895	8,384	6,930	6,527	8,384
2003	5,393	5,901	6,282	6,241	6,542	6,428	8,257	7,783	7,889	7,443	6,221	6,501	8,257
2004	5,523	5,179	5,969	5,360	5,448	6,877	7,642	7,679	7,689	8,257	6,947	6,509	8,257
2005	5,445	5,386	5,407	4,136	3,154	5,247	8,701	7,455	7,469	5,101	4,350	4,554	8,701
2006	3,858	3,053	2,942	2,789	3,165	3,196	5,000	5,203	4,799	4,479	4,166	3,522	5,203

*Energy @ Meters (kWh)*

<u>Year</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>Total</u>
1997	1,027,195	798,404	1,135,182	806,048	895,977	2,365,047	2,937,609	2,694,934	2,474,596	3,671,573	3,016,063	2,246,446	24,069,074
1998	1,528,675	832,204	900,761	1,095,902	703,273	1,277,181	1,299,227	2,746,894	2,141,613	2,702,136	2,174,175	1,534,963	18,937,004
1999	1,508,482	902,786	1,023,737	1,170,584	1,273,530	2,026,759	1,947,545	2,781,858	2,798,755	2,438,233	2,208,490	1,596,294	21,677,053
2000	1,755,615	1,391,793	1,246,905	1,217,450	1,565,273	1,688,899	3,033,598	2,937,229	2,620,543	2,227,406	2,586,297	1,402,729	23,673,737
2001	1,300,125	306,037	827,813	647,496	245,055	1,253,073	1,885,264	1,866,151	2,391,467	2,150,347	1,704,565	1,521,833	16,099,226
2002	1,037,175	1,090,591	945,963	884,693	665,641	1,537,662	2,127,771	1,998,339	2,192,089	2,265,547	1,933,033	1,279,362	17,957,866
2003	1,138,135	851,418	773,553	834,220	845,645	1,083,203	2,347,413	1,993,033	2,454,405	2,350,422	1,850,756	1,458,652	17,980,855
2004	1,213,530	601,564	743,393	739,960	717,790	1,114,486	2,091,541	2,024,902	2,394,278	2,176,818	1,944,384	1,820,531	17,583,177
2005	1,252,699	660,742	590,498	321,011	212,193	567,990	2,133,922	1,848,383	2,207,619	2,404,223	1,731,906	1,759,718	15,690,904
2006	1,336,030	867,030	796,195	871,379	706,638	950,783	1,920,778	2,251,276	2,166,113	1,750,142	1,554,035	1,243,210	16,413,609

*Energy @ Substation (kWh)*

<u>Year</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>Total</u>
1997	1,091,640	848,504	1,206,738	856,782	952,212	2,513,385	3,122,058	2,846,048	2,613,925	3,878,642	3,186,734	2,375,022	25,491,689
1998	1,615,382	879,818	952,437	1,157,579	742,976	1,348,994	1,372,198	2,909,713	2,268,483	2,862,310	2,303,064	1,625,946	20,038,901
1999	1,597,665	956,239	1,084,360	1,239,922	1,348,958	2,146,835	2,062,750	2,943,765	2,961,646	2,580,141	2,337,027	1,689,200	22,948,507
2000	1,857,794	1,472,797	1,319,476	1,288,307	1,656,374	1,787,195	3,210,157	3,105,288	2,770,368	2,354,735	2,734,097	1,482,918	25,039,506
2001	1,374,491	323,584	875,141	684,572	259,111	1,324,712	1,993,037	1,967,175	2,521,015	2,266,584	1,796,683	1,603,949	16,990,054
2002	1,093,274	1,149,979	996,965	932,330	701,547	1,620,478	2,242,466	2,103,746	2,307,842	2,385,371	2,035,385	1,347,074	18,916,456
2003	1,198,402	896,665	814,967	878,774	891,493	1,142,161	2,473,497	2,105,350	2,592,757	2,482,460	1,954,639	1,540,781	18,971,944
2004	1,282,227	635,508	785,397	781,866	758,554	1,177,574	2,209,838	2,140,880	2,531,463	2,301,565	2,055,791	1,924,715	18,585,380
2005	1,320,521	696,078	622,609	337,927	223,439	599,156	2,247,056	1,956,860	2,337,120	2,545,158	1,833,442	1,862,903	16,582,269
2006	1,414,278	913,850	838,477	916,983	744,283	1,002,098	2,022,346	2,383,399	2,293,290	1,852,904	1,645,278	1,316,240	17,343,425

**ELECTRICAL DISTRICT NUMBER SIX**

**APS SERVICE TERRITORY**

*Demand @ Meters (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	176	252	431	415	260	420	596	479	630	754	587	941	941
1998	744	538	626	628	655	816	615	581	764	647	607	434	816
1999	867	982	838	476	871	941	1,171	1,017	1,147	959	1,006	524	1,171
2000	871	978	1,012	624	1,022	1,059	1,058	972	1,023	995	782	695	1,059
2001	711	364	386	901	395	617	788	734	717	759	548	343	901
2002	716	725	643	321	296	670	644	643	542	720	716	570	725
2003	530	748	720	815	1,038	1,034	1,016	1,028	1,022	1,027	734	982	1,038
2004	868	978	993	825	950	1,162	1,178	1,067	1,183	1,190	1,013	859	1,190
2005	989	962	1,003	301	254	807	1,185	1,198	1,203	1,171	1,147	1,004	1,203
2006	1,182	1,009	661	514	968	1,011	988	981	870	728	689	587	1,182

*Demand @ Substation (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	194	278	475	457	286	463	657	528	694	831	647	1,037	1,037
1998	820	593	690	682	711	886	668	631	830	702	659	471	886
1999	941	1,066	910	517	946	1,022	1,271	1,104	1,245	1,041	1,092	569	1,271
2000	946	1,062	1,099	678	1,110	1,150	1,149	1,055	1,111	1,080	849	755	1,150
2001	772	395	419	978	429	670	856	797	779	824	595	372	978
2002	777	787	698	349	321	727	699	698	588	782	777	619	787
2003	575	812	782	885	1,127	1,123	1,103	1,116	1,110	1,115	797	1,066	1,127
2004	942	1,062	1,078	896	1,031	1,262	1,279	1,159	1,284	1,292	1,100	933	1,292
2005	1,074	1,045	1,089	327	276	876	1,287	1,301	1,306	1,271	1,245	1,090	1,306
2006	1,283	1,096	718	558	1,071	1,098	1,073	1,065	945	790	748	637	1,283

*Energy @ Meters (kWh)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	10,880	10,760	101,840	52,400	15,240	13,784	70,417	27,594	79,776	151,345	178,838	272,167	985,041
1998	110,105	99,222	120,665	153,566	153,580	149,494	115,529	118,070	155,382	109,285	78,462	66,019	1,429,379
1999	270,086	91,949	95,341	92,262	107,664	138,459	292,461	342,524	394,504	354,103	329,011	120,680	2,629,044
2000	495,726	331,812	229,533	96,148	156,297	213,536	247,874	352,639	212,290	163,495	150,280	105,549	2,755,179
2001	135,708	69,588	66,749	102,707	60,255	98,824	140,978	165,021	230,689	151,489	115,101	74,221	1,411,330
2002	80,952	174,611	36,883	20,805	30,019	40,564	77,620	41,548	68,125	105,074	110,025	67,602	853,828
2003	65,614	78,270	125,803	116,318	240,671	349,657	455,231	346,441	442,104	220,942	135,301	220,680	2,797,032
2004	349,415	124,179	178,850	220,404	265,227	319,493	555,432	350,493	459,632	437,171	372,813	236,358	3,869,467
2005	436,835	160,237	228,424	37,505	35,078	264,542	359,195	243,513	396,295	605,684	415,803	390,130	3,573,241
2006	461,279	282,853	145,290	51,369	148,132	305,553	280,877	294,611	190,191	140,146	132,679	40,120	2,473,100

*Energy @ Substation (kWh)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	11,603	11,475	108,606	55,881	16,253	14,700	75,095	29,427	85,076	161,400	190,720	290,250	1,050,486
1998	117,420	105,814	128,682	162,504	162,519	158,195	122,253	124,942	164,425	115,646	83,029	69,861	1,515,290
1999	285,805	97,301	100,890	97,632	113,930	146,517	309,483	362,459	417,465	374,712	348,160	127,704	2,782,058
2000	524,578	351,124	242,892	101,744	165,394	225,964	262,301	373,163	224,646	173,011	159,026	111,692	2,915,535
2001	143,606	73,638	70,634	108,685	63,762	104,576	149,183	174,625	244,115	160,306	121,800	78,541	1,493,471
2002	85,663	184,774	39,030	22,016	31,766	42,925	82,138	43,966	72,090	111,189	116,429	71,537	903,523
2003	69,433	82,825	133,125	123,088	254,678	370,007	481,726	366,604	467,835	233,801	143,176	233,524	2,959,822
2004	369,751	131,406	189,259	233,232	280,663	338,088	587,759	370,892	486,383	462,615	394,511	250,114	4,094,673
2005	462,259	169,563	241,719	39,688	37,120	279,939	380,101	257,686	419,360	640,935	440,003	412,836	3,781,209
2006	488,126	299,315	153,746	54,359	156,753	323,337	297,224	311,758	201,260	148,303	140,401	42,455	2,617,037

**ELECTRICAL DISTRICT NUMBER SIX**

**SRP SERVICE TERRITORY**

*Demand @ Meters (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	6,014	7,150	7,333	6,433	7,300	12,105	10,305	10,363	10,502	10,669	9,912	8,527	12,105
1998	7,318	5,735	5,530	5,924	5,931	8,356	8,717	9,298	9,082	9,268	8,363	6,976	9,298
1999	6,628	5,770	6,478	7,055	6,514	8,608	9,359	8,538	9,175	9,394	8,615	8,222	9,394
2000	6,190	5,516	5,905	6,321	7,297	7,826	9,571	9,015	8,384	8,116	8,612	6,864	9,571
2001	5,246	4,672	4,806	4,516	2,783	6,556	7,412	6,124	7,688	7,049	6,617	5,764	7,688
2002	4,641	5,644	5,471	5,285	4,556	5,928	6,538	6,656	6,942	7,222	5,845	5,613	7,222
2003	4,577	4,835	5,225	5,088	5,144	5,040	6,796	6,314	6,420	5,993	5,137	5,147	6,796
2004	4,338	3,899	4,632	4,227	4,183	5,317	6,026	6,168	6,059	6,589	5,531	5,275	6,589
2005	4,155	4,127	4,105	3,621	2,736	4,155	7,048	5,812	5,821	3,617	2,933	3,272	7,048
2006	2,432	1,860	2,114	2,121	1,991	1,994	3,733	3,908	3,640	3,484	3,228	2,725	3,908

*Demand @ Substation (kW)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
1997	6,391	7,598	7,793	6,836	7,758	12,864	10,951	10,943	11,090	11,266	10,467	9,004	12,864
1998	7,728	6,056	5,840	6,255	6,263	8,824	9,204	9,849	9,621	9,817	8,859	7,390	9,849
1999	7,021	6,113	6,863	7,474	6,900	9,118	9,914	9,035	9,709	9,940	9,116	8,701	9,940
2000	6,551	5,837	6,249	6,689	7,722	8,282	10,128	9,529	8,862	8,579	9,104	7,256	10,128
2001	5,545	4,938	5,080	4,774	2,942	6,930	7,835	6,453	8,101	7,428	6,972	6,074	8,101
2002	4,890	5,947	5,765	5,569	4,801	6,247	6,889	7,006	7,307	7,602	6,153	5,908	7,602
2003	4,818	5,089	5,500	5,356	5,415	5,305	7,154	6,667	6,779	6,328	5,424	5,435	7,154
2004	4,581	4,117	4,891	4,464	4,417	5,615	6,363	6,520	6,405	6,965	5,847	5,576	6,965
2005	4,371	4,341	4,318	3,809	2,878	4,371	7,414	6,154	6,163	3,830	3,105	3,464	7,414
2006	2,575	1,957	2,224	2,231	2,094	2,098	3,927	4,138	3,854	3,689	3,418	2,885	4,138

*Energy @ Meters (kWh)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	1,016,315	787,644	1,033,342	753,648	880,737	2,351,263	2,867,192	2,667,340	2,394,820	3,520,228	2,837,225	1,974,279	23,084,033
1998	1,418,570	732,982	780,096	942,336	549,693	1,127,687	1,183,698	2,628,824	1,986,231	2,592,851	2,095,713	1,468,944	17,507,625
1999	1,238,396	810,837	928,396	1,078,322	1,165,866	1,888,300	1,655,084	2,439,334	2,404,251	2,084,130	1,879,479	1,475,614	19,048,009
2000	1,259,889	1,059,981	1,017,372	1,121,302	1,408,976	1,475,363	2,785,724	2,584,590	2,408,253	2,063,911	2,436,017	1,297,180	20,918,558
2001	1,164,417	236,449	761,064	544,789	184,800	1,154,249	1,744,286	1,701,130	2,160,778	1,998,858	1,589,464	1,447,612	14,687,896
2002	956,223	915,980	909,080	863,888	635,622	1,497,098	2,050,151	1,956,791	2,123,964	2,160,473	1,823,008	1,211,760	17,104,038
2003	1,072,521	773,148	647,750	717,902	604,974	733,546	1,892,182	1,646,592	2,012,301	2,129,480	1,715,455	1,237,972	15,183,823
2004	864,115	477,385	564,543	519,556	452,563	794,993	1,536,109	1,674,409	1,934,646	1,739,647	1,571,571	1,584,173	13,713,710
2005	815,864	500,505	362,074	283,506	177,115	303,448	1,774,727	1,604,870	1,811,324	1,798,539	1,316,103	1,369,588	12,117,663
2006	874,751	584,177	650,905	820,010	558,506	645,230	1,639,901	1,956,665	1,975,922	1,609,996	1,421,356	1,203,090	13,940,509

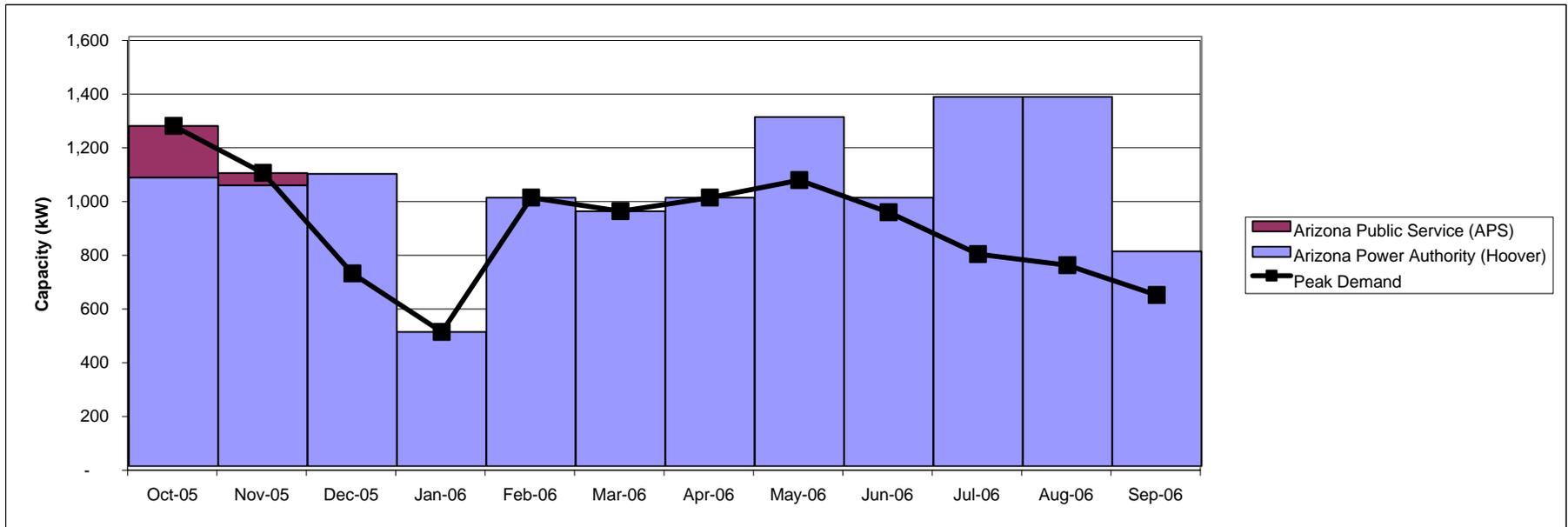
*Energy @ Substation (kWh)*

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
1997	1,080,037	837,029	1,098,132	800,901	935,959	2,498,685	3,046,963	2,816,621	2,528,849	3,717,242	2,996,014	2,084,772	24,441,203
1998	1,497,962	774,004	823,755	995,075	580,457	1,190,799	1,249,945	2,784,771	2,104,058	2,746,664	2,220,035	1,556,085	18,523,611
1999	1,311,860	858,938	983,470	1,142,290	1,235,028	2,000,318	1,753,267	2,581,306	2,544,181	2,205,429	1,988,867	1,561,496	20,166,449
2000	1,333,216	1,121,673	1,076,584	1,186,563	1,490,980	1,561,231	2,947,856	2,732,125	2,545,722	2,181,724	2,575,071	1,371,226	22,123,971
2001	1,230,885	249,946	804,507	575,887	195,349	1,220,136	1,843,854	1,792,550	2,276,900	2,106,278	1,674,883	1,525,408	15,496,583
2002	1,007,611	965,205	957,935	910,314	669,781	1,577,553	2,160,328	2,059,780	2,235,752	2,274,182	1,918,956	1,275,537	18,012,933
2003	1,128,969	813,840	681,842	755,686	636,815	772,154	1,991,771	1,738,746	2,124,922	2,248,659	1,811,463	1,307,257	16,012,122
2004	912,476	504,102	596,138	548,634	477,891	839,486	1,622,079	1,769,988	2,045,080	1,838,950	1,661,280	1,674,601	14,490,707
2005	858,262	526,515	380,890	298,239	186,319	319,217	1,866,955	1,699,174	1,917,760	1,904,223	1,393,439	1,450,067	12,801,060
2006	926,152	614,535	684,731	862,624	587,530	678,761	1,725,122	2,071,641	2,092,030	1,704,601	1,504,877	1,273,785	14,726,388

**ELECTRICAL DISTRICT NUMBER SIX**

**APS SERVICE TERRITORY**

**SCHEDULED RESOURCES TO COVER TYPICAL PEAK DEMAND**



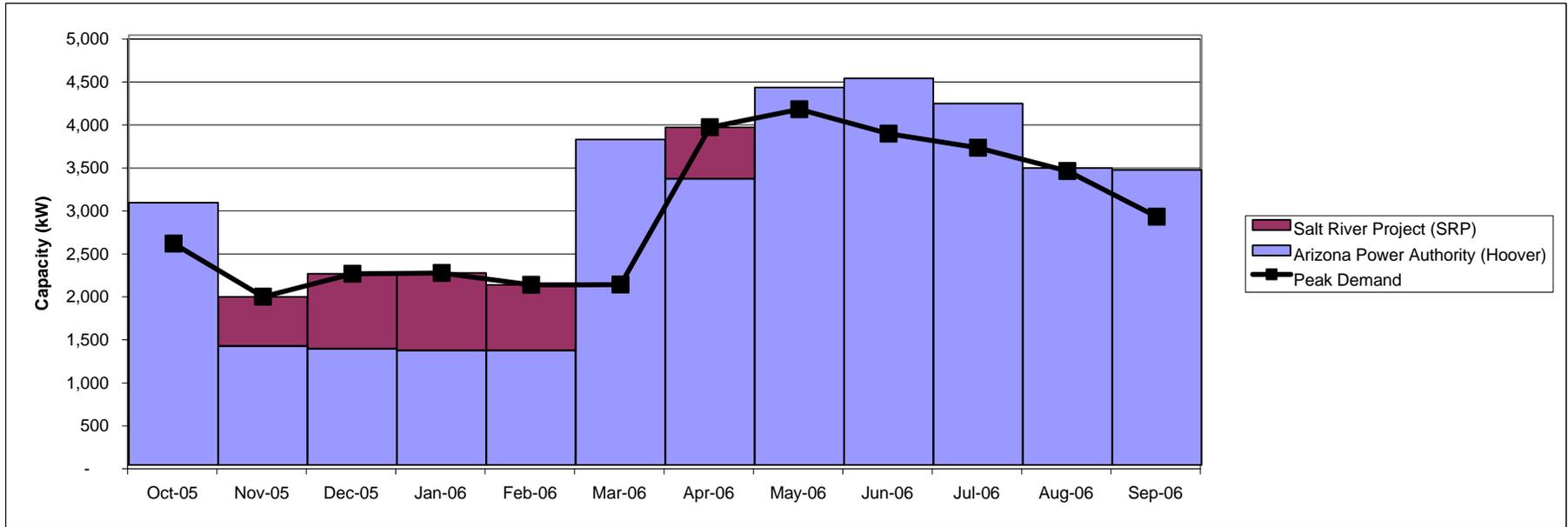
**Resources**

	<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>	1,074	1,045	1,089	500	1,000	950	1,000	1,300	1,000	1,375	1,375	800
<i>Arizona Public Service (APS)</i>	193	47	-	-	-	-	-	-	-	-	-	-
<b>Peak Demand</b>	<b>1,267</b>	<b>1,092</b>	<b>718</b>	<b>500</b>	<b>1,000</b>	<b>950</b>	<b>1,000</b>	<b>1,065</b>	<b>945</b>	<b>790</b>	<b>748</b>	<b>637</b>

**ELECTRICAL DISTRICT NUMBER SIX**

**SRP SERVICE TERRITORY**

**SCHEDULED RESOURCES TO COVER TYPICAL PEAK DEMAND**



**Resources**

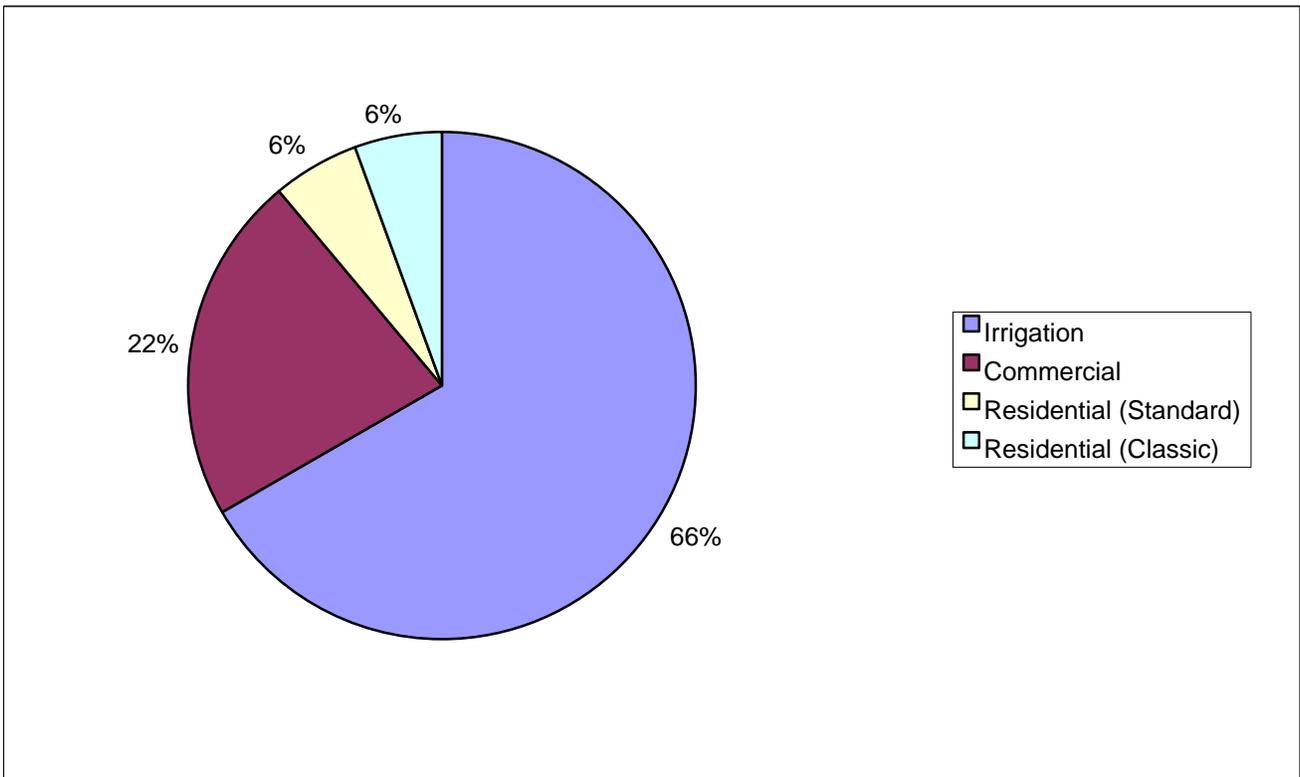
	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06
Arizona Power Authority (Hoover)	3,052	1,381	1,351	1,331	1,331	3,787	3,328	4,391	4,499	4,205	3,455	3,430
Salt River Project (SRP)	-	576	873	900	763	-	599	-	-	-	-	-
<b>Peak Demand</b>	<b>2,575</b>	<b>1,957</b>	<b>2,224</b>	<b>2,231</b>	<b>2,094</b>	<b>2,098</b>	<b>3,927</b>	<b>4,138</b>	<b>3,854</b>	<b>3,689</b>	<b>3,418</b>	<b>2,885</b>

**ELECTRICAL DISTRICT NUMBER SIX**

**APS SERVICE TERRITORY**

*Customer Profile*

<b>Customer Type</b>	<b># of Meters</b>
<i>Irrigation</i>	12
<i>Commercial</i>	4
<i>Residential (Standard)</i>	1
<i>Residential (Classic)</i>	<u>1</u>
Total	18



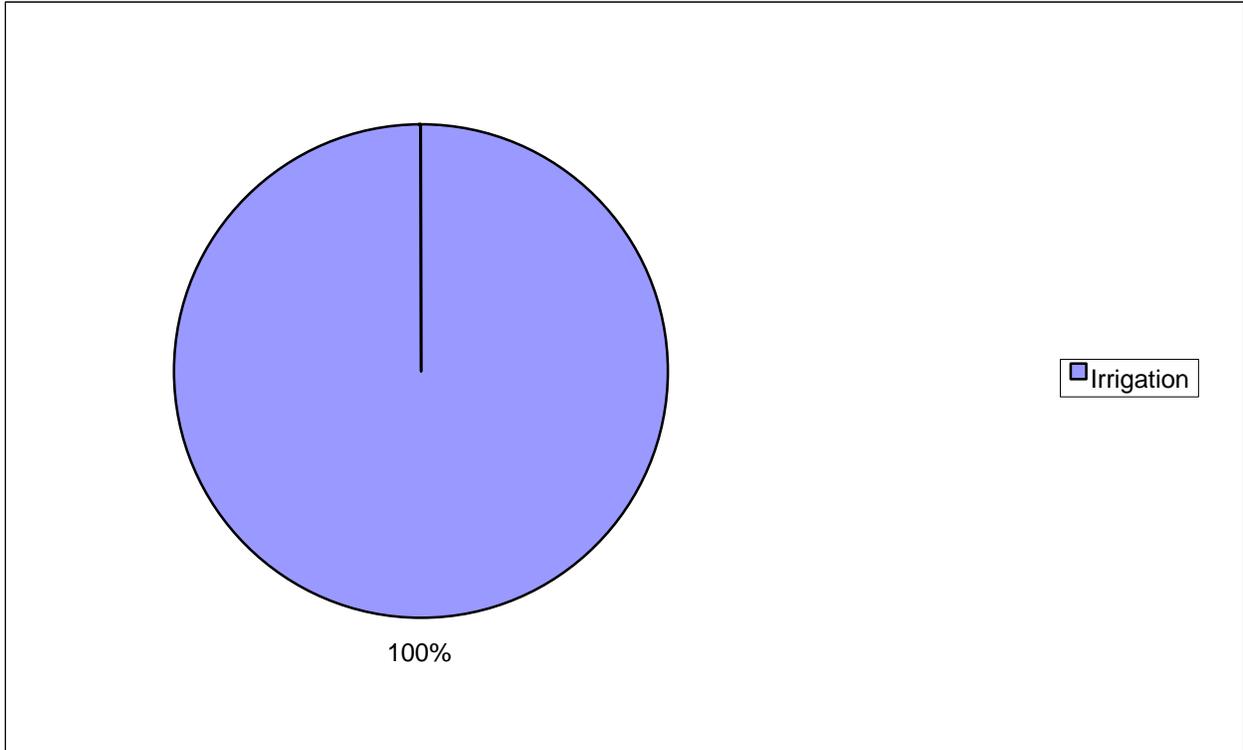
**ELECTRICAL DISTRICT NUMBER SIX**

**SRP SERVICE TERRITORY**

*Customer Profile*

**Customer Type**  
*Irrigation*  
Total

**# of Meters**  
80  
80



**ELECTRICAL DISTRICT NO. 6**  
**Pinal County, Arizona**  
**7301 North 16<sup>th</sup> Street, Suite 102**  
**Phoenix, Arizona 85020**  
**(602) 956-8878**

December 4, 2006

**PUBLIC NOTICE**

Electrical District No. 6 (“the District”) will be holding a Board Meeting at **1:00 p.m. on December 12, 2006** at the offices of New Magma Irrigation District, 34630 North Schnepf Road, Queen Creek, Arizona.

At the Board Meeting, the District will review and approve its updated 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 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.

Please contact William D. Baker at (602) 956-8878 for more information.

ELECTRICAL DISTRICT NO. 6



William D. Baker