

**INTEGRATED
RESOURCE
PLAN**

THIRD FIVE-YEAR UPDATE

**ELECTRICAL DISTRICT NUMBER FIVE
OF PINAL COUNTY
AND THE STATE OF ARIZONA**

December 27, 2011

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Profile Data

Electrical District Number Five ("ED5" or "the District") is an electrical district established in 1946 by the Board of Supervisors of Pinal County pursuant to the statutory predecessor of Chapter 12 of Title 48 of the Arizona Revised Statutes. ED5 was organized to provide, and since 1952 has provided, electrical power and energy primarily for pumping water for irrigation. ED5 obtained its original power purchase certificate from the Arizona Power Authority ("the Authority") in 1949.

ED5 is located in Pinal County, Arizona. With a service area of approximately 96,500 acres, ED5 serves agricultural irrigation pumping loads, as well as farm and agriculture-related residential and commercial customers, and other loads. ED5 owns all of the distribution lines transmitting its power to its customers and associated electrical equipment. ED5 receives power and energy on the Parker-Davis System purchased from the Authority and Western Area Power Administration ("Western"). A map of ED5's service area is provided in **Appendix A**.

ED5 is governed by a five-member Board of Directors elected annually by freeholders of property within ED5's boundaries. Its current staff consists of one Manager and the District operates and maintains its system under an agreement with Central Arizona Irrigation and Drainage District. The District's current Board of Directors and relevant contact persons are detailed below.

- **Board of Directors**

Daniel Shedd—Chairman
 Vincent LaPaglia—Vice-Chairman
 William Woehlecke—Secretary/Treasurer
 Don England Jr.
 Dave Stevenson

- **Contact Persons**

Ron McEachern
 District Manager
 Electrical District Number Five
 P.O. Box 576
 Eloy, AZ 85131
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ED5 purchases power from the Authority (Hoover Power), Western (SLCA/IP or CRSP Power), and other sources. ED5 has a scheduling and resource management agreement with Arizona Electric Power Cooperative, Inc. ("AEPSCO"), participates in the Hoover Resource Exchange Program, and is a party to an Integrated Resource Scheduling Agreement. These arrangements permit ED5 and other similarly situated utilities to integrate and exchange Hoover and SLCA/IP power resources. The power and energy from the Authority and Western are transmitted over the Parker-Davis transmission system to the Authority-owned and District-leased ED5 substation for deliveries to ED5 customers. The power and energy are delivered to the customers of ED5 over facilities owned and operated by the District.

The policies for service, rates and taxes for power provided by ED5 to its customers are determined and set by its Board of Directors. Copies of ED5'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 ED5 electrical power. ED5 purchases the majority of its power resources from the Authority and Western.

The current projection of the District loads for the upcoming two-year period does not indicate that additional resources are needed. The resource scheduling and utilization of the District's resources have been managed through the Authority's Hoover Resource Exchange Procedures 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 who can temporarily utilize the power during the same periods. With the continuation of these programs, and current loads and resources, there is not any short-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 supplemental power to meet its projected loads through the two-year planning period. For the five-year planning period, a need for additional resources was identified. For this timeframe, the District anticipates using its Hoover resource entitlement, its SLCA/IP entitlement, the Integrated Resource Scheduling program, Resource Exchange Procedures, and Southwest Public Power Resources Group ("SPPR Group") resources to meet its projected loads.

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
- Promote Energy Efficiency and the Effective Management of Water and Power Resources

Competitive Situation

- **District Contract Information**

Arizona Power Authority (Hoover Power Contract)

Western Area Power Administration (SLCA/IP Contract)

Arizona Electric Power Cooperative, Inc. (Scheduling and resource management agreement)

Southwest Public Power Resources Group/Sempra Generation (Power Purchase Agreement)

- **Regulations Applicable to District**

Energy Planning and Management Program (EPACT '00)

- **Regulations Applicable to District Customers**

Arizona Department of Water Resources - Groundwater Management Act

- **Competition With District Service**

There is competition for leasing the farm ground within ED5. Many of the land owners in ED5 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 ED5 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:**

Oct-Sep	Winter Demand CP @ Sub (kW)	Summer Demand CP @Sub (kW)	Peak Annual Growth	Energy @Substation (kWh)	Load Factor
2002	7,028	10,111		35,713,493	40%
2003	9,784	12,474	23%	52,221,347	48%
2004	10,044	12,636	1%	55,278,000	50%
2005	9,461	11,145	-12%	36,692,370	38%
2006	9,364	11,534	3%	44,085,225	44%
2007	9,202	13,640	18%	51,421,524	43%
2008	11,000	13,500	-1%	68,873,398	58%
2009	12,000	14,000	4%	63,680,000	52%
2010	11,000	13,000	-7%	57,599,000	51%
2011	13,000	15,000	15%	67,332,000	51%
Current Forecast					
2012	13,000	15,000	0%	67,332,000	51%
2013	13,000	15,000	0%	67,332,000	51%
2014	13,000	15,000	0%	67,332,000	51%
2015	13,000	15,000	0%	67,332,000	51%
2016	13,000	15,000	0%	67,332,000	51%

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**

Irrigation Pumping Plants—20%
 Residential Load—23%
 Commercial Load—12%
 General Services—16%
 Other—29%

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 and Integrated Resource Scheduling Procedures will be sufficient for the District to meet a portion of its monthly power and energy requirements through the short-term planning period. Some supplemental power will continue to be purchased from time-to-time to cover any short-term power deviations. For the long-term planning period, the District has determined to secure an additional long-term resource to diversify its portfolio of suppliers and provide additional options for firming through the Resource Exchange Program and Integrated Resource Scheduling Procedures.

As described in the District's prior Plan, ED5 spent several years participating with the SPPR Group in evaluating future resource opportunities. The SPPR Group is an association of forty not-for-profit electric utilities, including cooperatives, municipalities, tribal power authorities, and irrigation and electric districts providing service in Arizona, California, and Nevada. Taking advantage of the Group's size to broaden the scope of possible supplies, multiple options for resources were considered, including both construction of a generating unit and purchase of a portion of an existing generating unit. Ultimately, however, both of these options became infeasible due to economic and regulatory circumstances. The Group then issued a Request for Proposals ("RFP"), in response to which a variety of proposals could be submitted, including unit contingent proposals, turnkey proposals, 25-year purchase power agreements, slice of utility system offers in which the sale would be treated with the same firmness as native load, and the sale of existing generating units. The RFP was later modified to reflect the changing requirements of the participants, and required bids to be for unit contingent power or firm power from dedicated units, including slice of system sales. Bids were also required to be for fully dispatchable service. Ultimately, due to economic and other considerations, it was determined that the most practicable option was a long-term power purchase. Beginning January 1, 2015, the District will begin operating, as a member of the SPPR Group, under its new Power Purchase Agreement with Sempra Generation.

Detailed below are the District's current contractual commitments:

Arizona Power Authority (Hoover Power) at ED5 Tap

- Hoover A Capacity & Energy
 - 14,200 kW (Maximum with Hoover Firming Capacity)
 - 48,535,000 kWh (Contract Entitlement)
- Expires September 30, 2017

SLCA/IP Capacity at ED5 Tap

- Winter Season CROD: 2,449 kW
- Summer Season CROD: 2,742 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 2012 - FY 2024	4,490,045	4,988,565

Scheduling and resource management agreement (AEPCO)

- Terminates upon six months' notice.

Power Purchase Agreement (Sempra Generation—through SPPR Group)

- Firm Capacity and Energy
 - 5,000 kW
 - Energy as needed
- Effective January 1, 2015; expires December 31, 2039.

- **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	

Identification and Comparison of Resource Options

The identification of options for additional resources within this Integrated Resource Plan 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 to 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 2012 through 2016.

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 entitlements of Hoover and SLCA/IP power to supply much of its projected power requirements over the five-year planning period. The current federal resources and continuation of the Integrated Resource Scheduling procedures and Authority Hoover Resource Exchange Program will be sufficient for the District to meet much of its monthly power and energy requirements through the short-term planning period. Additional purchases of supplemental power will continue to be made from time-to-time to cover any short-term power deviations.

For the long-term planning period, the District has identified a need for additional resources, with the objective of increasing its options for firming resources purchased through the Resource Exchange Program and Integrated Resource Scheduling Procedures and to serve as a successor for long-term contracts which will terminate in coming years. Therefore, ED5 has entered into a long-term power purchase agreement as a member of a group of public power entities. Together with the District's existing contractual arrangements, this is anticipated to be sufficient to meet all of the District's requirements over the five-year planning period. No further resources will be required. 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 1988 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 the 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 beyond those already secured 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 Integrated Resource Plan 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 Integrated Resource Plan, 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 2012 through 2016
Activity: Power Factor Improvement Program
Distribution System Line Loss Reduction Program
Distribution System Equipment Inspection Program
Irrigation Well Efficiency Testing Program for District Customers

- **Validation and Evaluation**

ED5 has worked very closely with representatives of the Arizona Power Authority and various consultants to maintain its system. The District has utilized infrared equipment on loan from the Authority and has hired consultants to calculate the District's power factor and system losses and as a result of those findings has implemented a program which includes the monthly inspection of the system regulators, reclosers and capacitors to keep system losses to a minimum. The District has set in place an inspection form for each of the devices where the field service crews can log their inspection and identify any defective components which could be repaired or replaced in order to increase the efficient operation of the distribution system.

The District also has an on-going program to monitor the efficiency of the wells served by the District. This program evaluates both the water and energy efficiency of each well. When the well's efficiency drops below a certain level, the equipment is removed and inspected for needed repairs or replacement. These well rehabilitations result in the continued efficiency of the wells and have been very successful over the last fifteen years in reducing the amount of energy required to meet the customers' pumping needs.

Environmental Effects

The District is required, to the extent practical, to minimize adverse environmental effects of new resource acquisitions. As noted above, the District has secured an additional long-term resource which will become effective January 1, 2015. In procuring this resource, the District worked collaboratively with a group of other similarly situated entities, known collectively as the SPPR Group. Options for meeting anticipated future needs were carefully considered, including the consideration of renewable resources. The SPPR Group also utilized an Independent Market Monitor bidding process overseen by the Arizona Corporation Commission to ensure the request for proposals process resulted in the best alternative, and provided an unbiased evaluation platform. However, no appropriate renewable resource was identified. The resource ultimately selected is output from a natural gas supplied plant. Selection of a gas fired generation source will help the District avoid future purchases from coal-fired generation, or market purchases from a blended fuel mix which may include nuclear or coal. For ED5, the SPPR resource is intended to ultimately replace current supplemental power supply

arrangements which utilize thermal resources and provide operational margins in the event surface water deliveries decrease. In addition, the acquisition of this resource will allow the District the flexibility to incorporate additional renewable resources which require firming, such as wind or hydro generation. Ultimately, the District intends to utilize hydro resources and its firming capabilities through the Hoover Resource Exchange Program and Integrated Resource Scheduling procedures to meet the majority of its electric loads. To the extent the District utilizes the Integrated Resource Scheduling Procedures and the Resource Exchange Program and their firming capabilities 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 thermal 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.

Public Participation

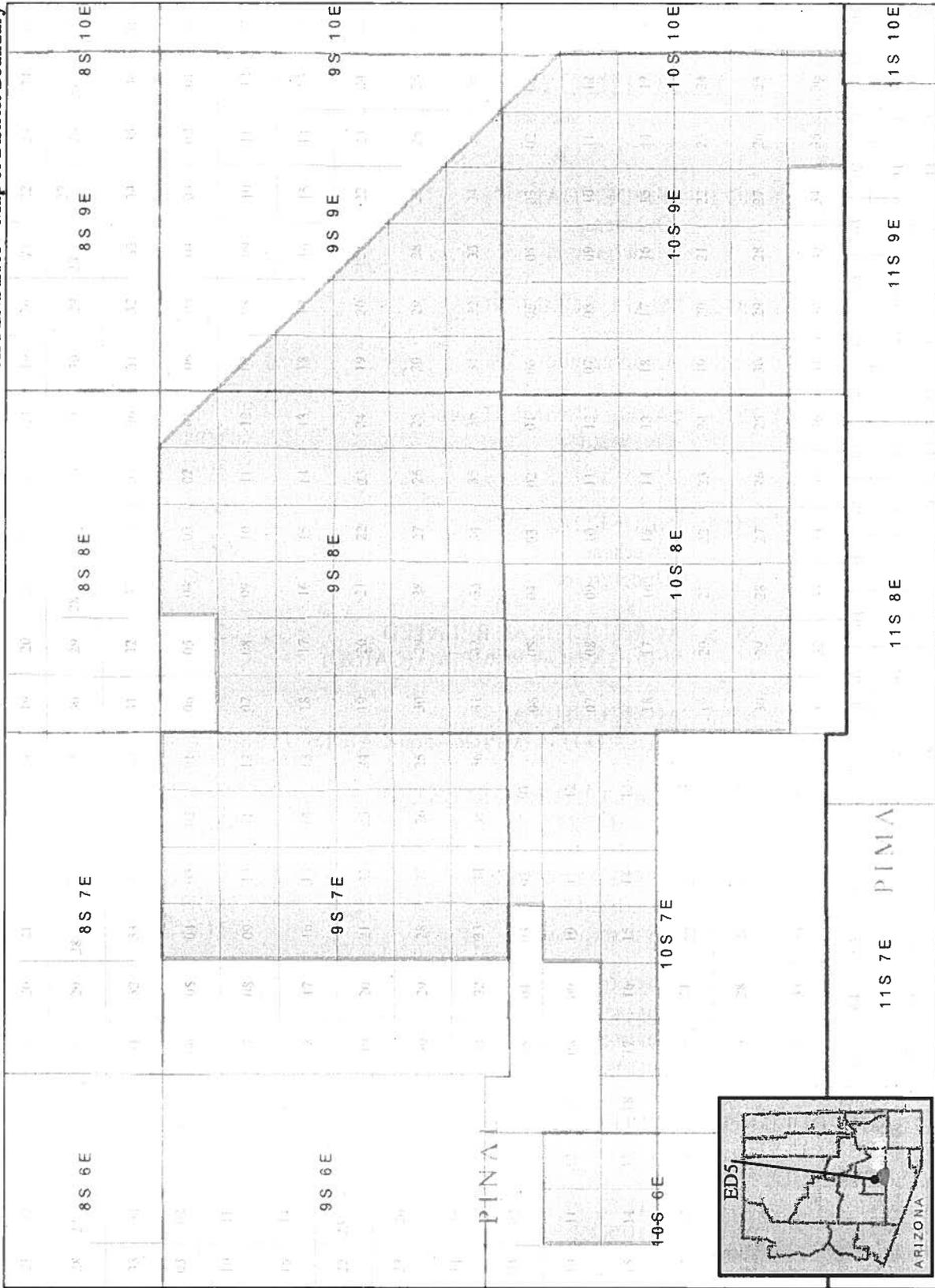
The District has held one public meeting to discuss the development of its Integrated Resource Plan.

Prior to the 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 Integrated Resource Plan at the meeting. The notice was posted in accordance with statutory open meeting law requirements. The notice stated that the draft Integrated Resource Plan would be available to the public in advance of the meeting and that public comment on the draft Plan would be accepted at the meeting. A copy of the notice is attached as **Appendix D**.

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

1 in = 3 miles

APPENDIX A - Map of District Boundary

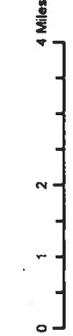


Sources: Township Range Section, AZ State land - Ahrs
 District Boundary - Not verified by KRSA
 Boundary per Pinal County GIS website
 @gismap.pinalcountyaz.gov

krseada21011VRPMAPEDS Created: 08/2006 Edited: 06/14/2011 - BLS review 10



DISCLAIMER:
 K.K. Sabine & Associates, PLLC
 Does not warrant the accuracy
 or location of the facilities shown



- Legend
- Township
 - County Boundary
 - District Boundary
 - Sections

Electrical District Number Five
 (Pinal County)

ELECTRICAL DISTRICT NO. FIVE

ELECTRIC RATE SCHEDULES

January 1, 2008

	RATE CODE
RATE SCHEDULE NO 1 – RESIDENTIAL	
Overhead	01OH
Underground	01UG
RATE SCHEDULE NO 2 – SMALL COMMERCIAL	
Overhead	02OH
Underground	02UG
RATE SCHEDULE NO 3 – LARGE COMMERCIAL	
Overhead	03OH
Underground	03UG
RATE SCHEDULE NO 4 – INDUSTRIAL (ED5 HAS NONE)	
Overhead	04OH
Underground	04UG
RATE SCHEDULE NO 5 – AGRICULTURAL RELATED IRRIGATION PUMPING (CAIDD)	05
RATE SCHEDULE NO 6 – AGRICULTURAL RELATED PUMPING (non-CAIDD)	06
RATE SCHEDULE NO 7 – AGRICULTURAL RELATED COMMERCIAL	07
RATE SCHEDULE NO 8 – GENERAL SERVICE	
Overhead GIN RATE	08OH
Underground none	08UG
RATE SCHEDULE NO 9 – DUST TO DAWN LIGHTING	09
09MV	
09HPS250	
09HPS100	
RATE SCHEDULE NO 10 – GATES AND TURNOUTS	10
RATE SCHEDULE NO 11 – STREET LIGHTING	11
11HPS100	
11HPS250	
11HPS500	

RESIDENTIAL RATE

RATE CODE 010H

Effective: January 1, 2008

ELECTRICAL DISTRICT NO. 5

Residential Rate:

Customer Charge.....\$10.00 per month

Energy Charge.....\$0.056 per kwh

Tax:

Plus applicable sales tax to the above.

Min. Same as Customer Charge

DEPOSIT

\$300.00 Deposit required per meter (or a PHL with no late payments for the last 12 months for the homeowner). Deposit is refundable after 12 months of no late payments.

UNDERGROUND RESIDENTIAL RATE

**ELECTRICAL DISTRICT NO. FIVE
P.O. BOX 576
ELOY, AZ 85231**

**RATE CODE 01UG
Effective: 01/01/2008**

Applicability

Applicable to underground planned residential development for residential use only in single private residences or apartments for lighting, appliances domestic single-phase power with no motor over 5HP, heating and cooking served through one meter. Three-phase service is subject to application.

Availability

In all areas within the District as now served. Subject to the requirements of the primary purposes of the District and the availability of power and energy in the opinion of the District.

Type of Service

Single phase, 120/240 volts 60 Hertz. Transformation is included in this rate. Subject to all standard policies, conditions, rules and regulations as adopted and amended by the District Board of Directors.

RATE:

Customer Charge	\$12.00
Energy Charge	
First 500 kWh	\$ 0.090
Each Additional kWh	\$ 0.083

Monthly Minimum \$12.00

TAX

Plus applicable sales tax to the above.

DEPOSIT

\$300.00 Deposit required per meter (or a PHL with no late payments for the last 12 months for the homeowner). Deposit is refundable after 12 months of no late payments.

**COMMERCIAL RATE
NOT AGRICULTURE RELATED**

ELECTRICAL DISTRICT NO. FIVE

**P. O. BOX 576
ELOY, AZ 85231**

RATE CODE 03OH**Effective: 01/01/08****Applicability**

Applicable for all commercial services Not Agriculture Related.

Availability

In all areas within the District as now served where each service is applied at one point of delivery and measured through one meter with an actual demand reading.

Subject to the requirements of the primary purposes of the District and the availability of power and energy as determined in the opinion of the District.

Type of Service

Single and three phase, 60 Hertz 7200/12470 and 120/480 overhead and underground. Transformation is provided in most cases at this rate. Subject to all standard policies, conditions, rules and regulations as adopted and amended by the District Board of Directors.

Rate:

<u>Customer Charge</u>	\$25.00 for each connected meter
<u>Demand Charge</u>	\$3.75 for each KW
<u>Energy Charge</u>	\$0.069 for each KWH

Minimum Monthly Charge**\$25.00****Tax**

Plus applicable sales taxes to the above

**ELECTRICAL DISTRICT NUMBER FIVE
PINAL COUNTY**

**EFFECTIVE December 31, 2007 THE RATE FOR
IRRIGATION PUMPING WILL BE:**

RATE CODE	CAIDD	05
RATE CODE	NON-CAIDD	06

All kWh.....4.5 cents / kWh

Monthly Capacity Charge \$0.54/kW-Month

The Monthly Capacity Charge for accounts without kilowatt meters shall be estimated based upon a conversion factor of 0.746 kW per horsepower. The equivalent Monthly Capacity Charge based upon horsepower is \$0.40 per connected horsepower.

The District may impose a connection fee up to an amount equal to Six months of capacity charges for all facilities requesting to be Connected or reconnected.

RATE CODE **07**
Effective 01/01/2008

ELECTRICAL DISTRICT NO. 5

COMMERCIAL RATE
Agriculture Related

Commercial Rates:

Demand Rate.....	\$3.25/kw
Energy Rate (kwh).....	\$0.067/kwh
Minimum Charge.....	\$25.00

RATE CODE 080H
Effective 01/01/2008

ELECTRICAL DISTRICT NO. 5

GIN RATE

Gin Rate:

Demand Rate.....\$3.25/kw
Energy Rate(kwh).....\$0.060 per kWh
Minimum charge.....\$25.00

RATE CODE 09
Effective 01/01/2008

ELECTRICAL DISTRICT NO. 5

**NIGHT LIGHT
(FIXED RATE)**

Effective:

Rate:

Energy Charge per Light @ 70 kwhs.....\$5.75 Per Light

Tax:

Plus applicable sales tax to the above.

ELECTRICAL DISTRICT NO. FIVE
P. O. BOX 576
ELOY, AZ 85231

CAIDD CANAL GATES
RATE CODE 10
Effective: 01/01/07

Applicability

Applicable for all slide gate controlled check structure on the distribution system of the Central Arizona Irrigation and Drainage District.

Type of Service

Single and three phase, 60 Hertz/240 and 480 overhead. Transformation is included in this rate. Subject to all standard policies, conditions, rules and regulations as adopted and amended by the District Board of Directors.

Rate:

Flat Charge

\$14.00 for each installation

Tax

Plus applicable sales taxes to the above

RATE CODE 11
STREET LIGHTING
Effective 01/01/07

ELECTRICAL DISTRICT NO. 5
P.O. BOX 576
ELOY, AZ 85231

Applicability:

To all customers for the purpose of outdoor lighting of streets, alleys, thoroughfares, public parks and playgrounds. Service is dusk to dawn and District will own, operate and maintain the street lighting system including lamps and glass replacements.

Availability:

In all areas within the District as now served. Subject to the requirements of the primary purposes of the District and the availability of power and energy as determined in the opinion of the District.

Rates

High Pressure Sodium Lighting

Single Fixture Light	100 Watts, HPS	\$17.50
Single Fixture Light	250 Watts, HPS	\$23.25
Double Fixture Light	500 Watts, HPS	\$27.65

TAX:

Plus applicable sales tax to the above.

ELECTRICAL DISTRICT NUMBER FIVE OF PINAL COUNTY

Demand @ Substation (kW)

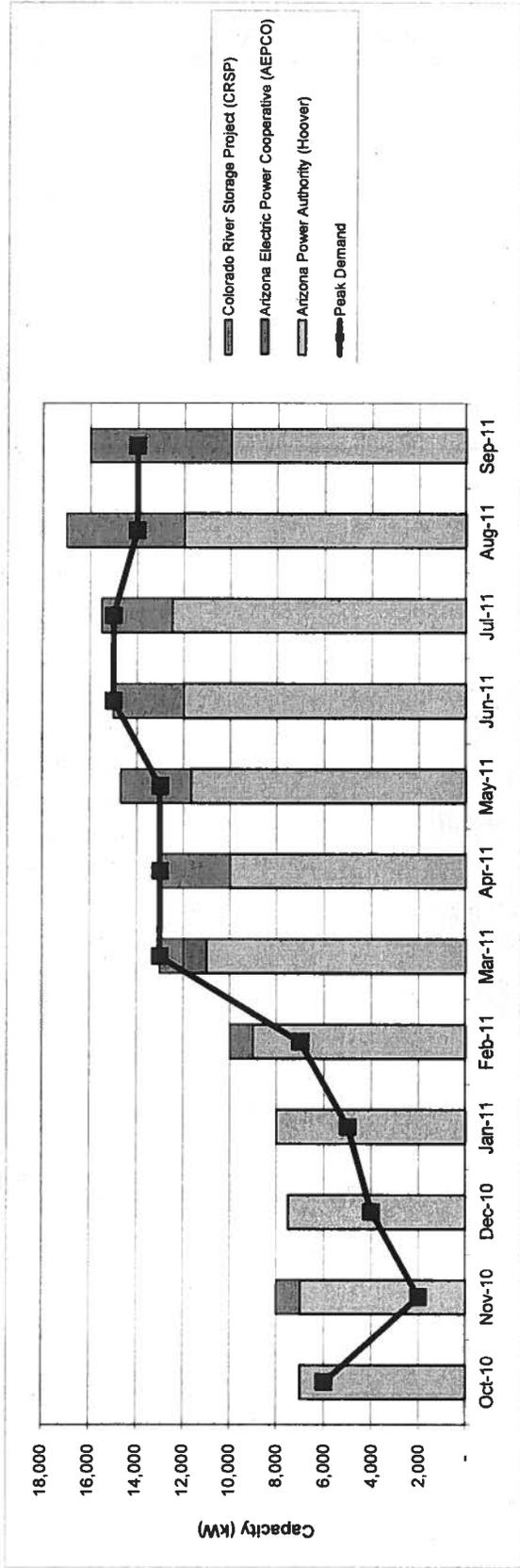
Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
2002	6,533	6,597	5,717	6,054	4,733	7,028	6,560	7,145	7,322	8,639	10,111	8,418	10,111
2003	6,808	5,109	6,153	5,864	6,901	9,784	10,011	10,951	10,692	11,891	12,474	8,942	12,474
2004	6,998	5,476	5,572	6,577	7,744	10,044	10,498	11,956	12,636	12,539	12,215	9,072	12,636
2005	4,666	3,499	3,823	4,504	3,791	9,461	9,623	9,817	9,817	11,145	10,854	7,582	11,145
2006	4,374	4,568	4,018	5,443	7,160	9,364	11,210	9,040	10,044	11,534	9,914	7,938	11,534
2007	5,638	4,828	5,054	5,800	6,577	9,202	8,748	10,303	10,866	13,640	12,733	10,303	13,640
2008	8,975	5,832	8,554	9,590	8,942	11,000	12,000	11,200	13,200	13,500	12,400	12,000	13,500
2009	10,000	5,000	4,000	8,000	9,000	12,000	12,000	12,000	14,000	13,000	12,000	11,000	14,000
2010	4,000	5,000	3,000	6,000	3,000	11,000	12,000	11,000	13,000	13,000	12,000	12,000	13,000
2011	6,000	2,000	4,000	5,000	7,000	13,000	13,000	13,000	15,000	15,000	14,000	14,000	15,000

Energy @ Substation (kWh)

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2002	2,214,148	2,199,537	1,776,510	2,464,771	1,845,949	2,099,719	2,623,567	3,617,605	3,746,673	4,738,045	5,506,987	2,879,982	35,713,493
2003	2,526,509	1,736,129	1,705,909	2,923,200	2,343,600	5,346,000	5,893,200	6,084,000	6,318,000	7,070,400	6,562,800	3,711,600	52,221,347
2004	2,894,400	1,339,200	2,343,600	2,451,600	2,037,600	4,788,000	5,965,200	7,142,400	7,462,800	7,786,800	7,034,400	4,032,000	55,278,000
2005	1,522,800	975,600	1,245,600	1,026,000	806,400	4,208,400	5,670,000	4,424,400	3,740,400	6,512,400	3,614,400	2,945,970	36,692,370
2006	1,689,547	1,733,287	1,721,023	2,065,322	2,852,691	3,852,522	6,095,688	4,241,986	5,581,257	5,996,058	5,314,799	2,941,045	44,085,225
2007	2,136,319	2,027,669	1,900,033	2,687,175	2,663,151	4,692,039	4,242,780	4,649,773	5,959,484	7,721,147	7,686,512	5,053,412	51,421,524
2008	4,352,973	2,243,052	2,809,485	3,565,296	3,798,462	7,080,000	7,509,130	7,004,100	7,923,300	8,277,900	7,846,700	6,463,000	68,873,398
2009	4,058,000	1,857,000	1,891,000	3,297,000	3,302,000	6,564,000	7,413,000	7,734,000	8,031,000	8,318,000	7,304,000	3,911,000	63,680,000
2010	2,515,000	2,106,000	1,366,000	1,916,000	1,200,000	3,729,000	7,822,000	7,193,000	8,110,000	8,128,000	7,565,000	5,949,000	57,599,000
2011	2,242,000	1,371,000	1,813,000	2,606,000	2,553,000	6,481,000	8,104,000	8,338,000	8,711,000	9,344,000	9,164,000	6,605,000	67,332,000

ELECTRICAL DISTRICT NUMBER FIVE OF PINAL COUNTY

SCHEDULED RESOURCES TO COVER TYPICAL PEAK DEMAND



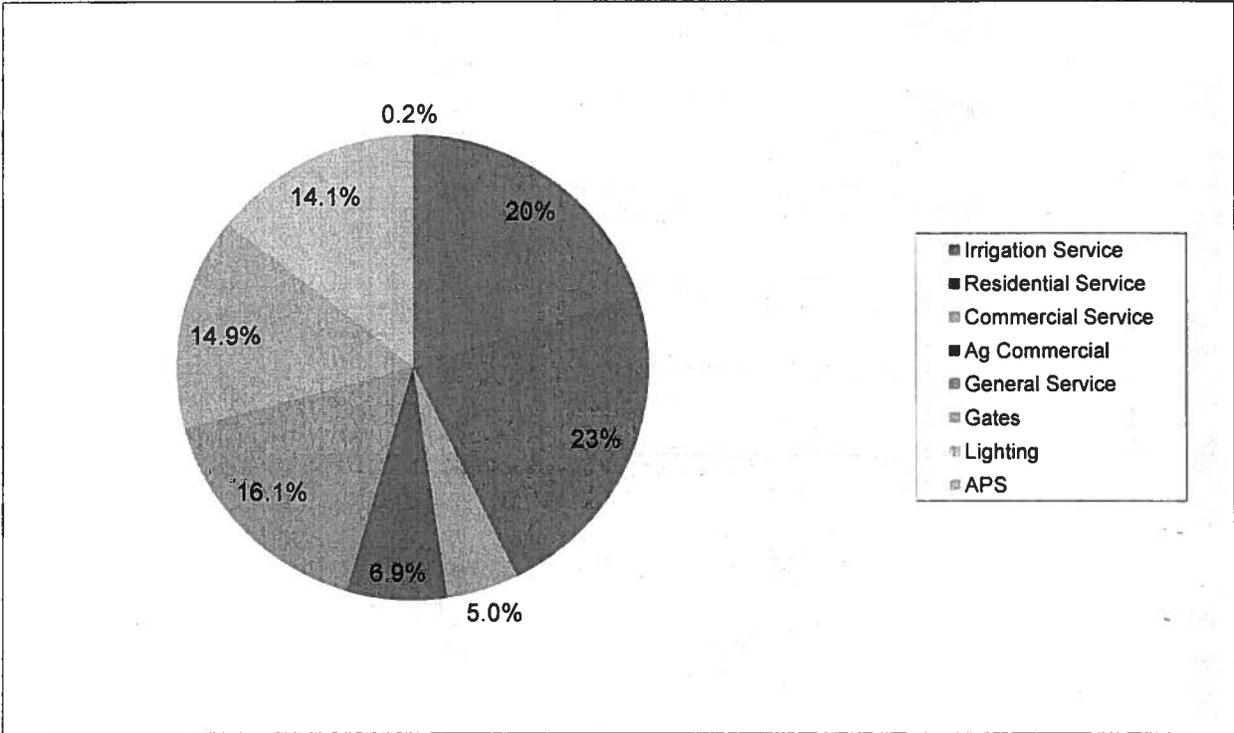
Resources

	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11
Arizona Power Authority (Hoover)	7,000	7,000	7,500	8,000	9,000	11,000	10,000	11,669	12,000	12,500	12,000	10,000
Colorado River Storage Project (CRSP)	-	1,000	-	-	1,000	1,000	3,000	3,000	3,000	3,000	5,000	6,000
Arizona Electric Power Cooperative (AEP/CO)	-	-	-	-	-	1,000	-	-	-	-	-	-
Peak Demand	6,000	2,000	4,000	5,000	7,000	13,000	13,000	13,000	15,000	15,000	14,000	14,000

ELECTRICAL DISTRICT NUMBER FIVE OF PINAL COUNTY

Customer Profile

Customer Type	# of Meters
Irrigation Service	81
Residential Service	91
Commercial Service	20
Ag Commercial	28
General Service	65
Gates	60
Lighting	57
APS	<u>1</u>
Total	403





**ELECTRICAL DISTRICT NUMBER FIVE
PINAL COUNTY**

POST OFFICE BOX 576
ELOY, ARIZONA 85131
TELEPHONE: (520) 466-7336

District Manager
RON MCEACHERN

Directors

DANIEL F. SHEDD
Chairman
VINCENT LAPAGLIA
Vice-Chairman
WM. WOEHLECKE
Secretary/Treasurer
DON ENGLAND JR.
DAVE STEVENSON

December 20, 2011

ED5 Board of Directors

NOTICE OF REGULAR MEETING

The regular meeting of the Board of Directors of Electrical District No. 5 will be held at **10:00 a.m. on Tuesday, December 27, 2011** at the 'District office'.

As per A.R.S. Section 38-431.03 A.2, the Board may resolve into executive session for the purpose of discussion of records that are not public record.

At this 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 at the District's office prior to the meeting. Written comments regarding the Integrated Resource Plan will be accepted any time prior to or at the meeting. Public comments will also be accepted at this time. Please contact Ron McEachern at (520) 466-7336 for more information.

A copy of the final agenda will be available at the CAIDD office at least 24 hours in advance of the meeting.

ATTENTION:
LUNCH WILL BE
AT THE
DISTRICT OFFICE

RM: ma

