



Department of Energy
Western Area Power Administration
Desert Southwest Customer Service Region
P.O. Box 6457
Phoenix, AZ 85005-6457

Via E-mail: jmt@krsaline.com

FEB 24 2012

Ms. Jennifer Torpey
K. R. Saline & Associates, PLC
160 North Pasadena, Suite 101
Mesa, AZ 85201-6764

Re: McMullen Valley Water Conservation and Drainage District
5-year Integrated Resource Plan

Dear Ms. Torpey:

Thank you for submitting this plan to Western Area Power Administration (Western). The report, dated December 21, 2011, covers the reporting period of 2012 through 2016. This is your formal notice that this report has been reviewed and approved.

Data from all customers will be included in our annual report which is provided to Congress and others.

For annual updates, please use our automated on-line reporting system at <http://www.wapa.gov/FormsAuth/Login.aspx?ReturnUrl=/irpsubmit/irpsubmit.aspx>.

Western has a wide range of information on our Energy Services web site, www.wapa.gov/es, which may help you implement your plan. You may also call our PowerLine at (800) 769-3756 for personal assistance. If you do not have access to the web site, have questions on the guidelines, or need assistance in implementing your report action plan, please contact me at (602) 605-2659 or colletti@wapa.gov.

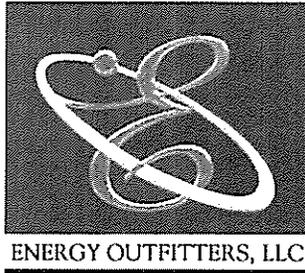
Please do not hesitate to call if I may be of further assistance in this or any other Energy Services related matter.

Sincerely,

A handwritten signature in black ink that reads "Audrey Lynn Colletti".

Audrey Lynn Colletti
Public Utilities Specialist

cc: Darrick Moe
Joe Mulholland
Jim Downing
Jay Moyes



Via E-mail & USPS

December 29, 2011

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

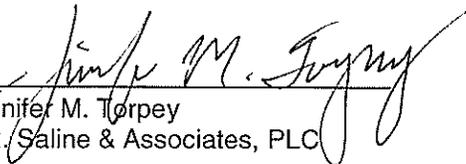
Re: McMullen Valley Water Conservation and Drainage District Integrated Resource Plan

Dear Mr. Moe,

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 McMullen Valley Water Conservation and Drainage District ("McMullen"), pursuant to 10 C.F.R. § 905.13(b), is the third five-year update to McMullen's Integrated Resource Plan. This update was approved by McMullen's Board of Directors at a public meeting held on December 21, 2011.

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: Jim Downing (w/encl.)
Jay Moyes (w/encl.)
Audrey Colletti (w/encl.)
Joe Mulholland (w/encl.)

INTEGRATED RESOURCE PLAN

THIRD FIVE-YEAR UPDATE

**MCMULLEN VALLEY WATER
CONSERVATION AND DRAINAGE DISTRICT
OF LA PAZ COUNTY
AND THE STATE OF ARIZONA**

December 21, 2011

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Profile Data

McMullen Valley Water Conservation & Drainage District ("McMullen" or "the District") is a water conservation and drainage district established in 1984 by the Board of Supervisors of La Paz County pursuant to the statutory predecessor of Chapter 19 of Title 48 of the Arizona Revised Statutes. McMullen was organized as and is deemed to be a municipal corporation, and exercises some of its general powers provided by law, including but not limited to the provision of electrical, irrigation and drainage service within its service area.

McMullen is governed by five board members, one from each of McMullen's three divisions and two at-large representatives. It has one part-time manager. With a service area of approximately 18,000 acres, McMullen utilizes its purchased power for pumping and other agricultural loads. McMullen does not own any electrical system. A map of McMullen's service area is provided in **Appendix A**. The District's current Board of Directors and relevant contact persons are detailed below.

- **Board of Directors**

Larry Hancock
 Richard O. Cramer
 Maria Hyatt
 Michael Vanderwey
 (vacant due to recent death)

- **Contact Persons**

Jim Downing—District Administrator
 The Harcuvar Company
 P. O. Box 70
 Salome, AZ 85348
 Ph: (928) 859-3647
 Fax: (928) 859-3145

Jay I. Moyes—Legal Counsel
 Moyes Sellers & Hendricks, Ltd.
 1850 N. Central Ave., Ste. 1100
 Phoenix, AZ 85004
 Ph: (602) 604-2141
 Fax: (602) 274-9135

Kenneth R. Saline—Engineering Consultant
 K. R. Saline & Associates, PLC
 160 N. Pasadena, Ste. 101
 Mesa, AZ 85201-6764
 Ph: (480) 610-8741
 Fax: (480) 610-8796

McMullen purchases Hoover power from the Arizona Power Authority (“the Authority”), and other power from Arizona Public Service Company (“APS”). In addition, McMullen is a party to the Hoover Resource Exchange Program that permits the District 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 McMullen. The District does not own any portion of the electrical transmission or distribution system.

McMullen, through the La Paz County assessor, raises some revenues through acreage-based tax assessments, and the balance through its electric rates. Copies of McMullen'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 McMullen electrical power. The District purchases the majority of its power resources from the Authority and APS.

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 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. With the continuation of this program, 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 resources with intermittent purchases of APS 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, the Resource Exchange Program, and APS 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)
Power Supply and Services Agreement (APS) [Approved by FERC]
Southwest Public Power Resources Group/Sempra Generation (Power Purchase Agreement)

- **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 McMullen. In many instances, APS and McMullen serve power to different loads of the same customer.

There is competition for leasing the farm ground within the District. Many of the landowners in McMullen 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 McMullen become significantly higher than other areas, the District'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
2002	8,087	10,562		45,385,939	42,889,710	49%
2003	8,476	11,212	6%	45,247,996	42,759,357	46%
2004	9,134	12,072	8%	50,703,161	47,914,488	48%
2005	9,939	11,799	-2%	44,903,073	42,433,404	43%
2006	10,806	10,978	-7%	50,686,215	47,898,473	53%
2007	10,934	13,232	21%	65,609,162	62,000,659	57%
2008	12,137	14,035	6%	67,594,317	63,876,629	55%
2009	12,480	13,485	-4%	59,692,519	56,409,429	51%
2010	10,307	13,871	3%	59,137,323	55,884,770	49%
2011	12,960	13,817	0%	73,233,427	69,205,588	61%
Current Forecast						
2012	12,960	13,817	0%	73,233,427	69,205,588	61%
2013	12,960	13,817	0%	73,233,427	69,205,588	61%
2014	12,960	13,817	0%	73,233,427	69,205,588	61%
2015	12,960	13,817	0%	73,233,427	69,205,588	61%
2016	12,960	13,817	0%	73,233,427	69,205,588	61%

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—87%
 - Non-Irrigation—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 planning period with supplementation of APS power that 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.

As described in the District's prior Plan, McMullen 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 agreement. 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 Eagle Eye Substation:

- Hoover A & B Capacity & Energy
 - 8,740 kW (Maximum with Hoover Firming Capacity)
 - 18,215,000 kWh (Contract Entitlement)
- Expires September 30, 2017

Power Supply and Services Agreement (APS)

- Capacity & Energy as needed
- Wheeling from Eagle Eye Substation to meters
- Meter Reading and Customer Billing Services
- Losses from substation to meters: 7.9% Demand, 5.5% Energy

- Expires December 31, 2020

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 which are implemented by the District’s customers to efficiently utilize groundwater and therefore electricity. Most notably, over 90% of the acreage being farmed in the District is now irrigated using drip irrigation systems, providing maximum conservation of water and minimum requirement of electricity for groundwater pumping.

Drip Irrigation	Uniform Slopes	Micro spray Systems
Alternate Furrow Irrigation	Deficit Irrigation	Tail Water Recovery
Cut-Back Irrigation	Soil & Water Amendments	Irrigation Scheduling
Angled Rows	Cropping Pattern-Winter vs.	Concrete Ditch Lining
Shortened Field Lengths	Summer	Land Leveling
Graded Furrow or Border	Use of Gated Pipe	Precision Tillage
Portable 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, 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 power to supply as much as possible of its projected power requirements over the five-year planning period. 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 planning period with some additional purchases of APS supplemental power that 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 to serve as a successor for long-term contracts which will terminate in coming years. Therefore, McMullen 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.

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 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 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 2012 through 2016

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

- **Validation and Evaluation**

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. 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.

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 McMullen, the SPPR resource is intended to ultimately replace and displace current supplemental power supply arrangements which utilize a blend of thermal resources. 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 to meet the majority of its electric loads. To the extent the District utilizes the Program and its 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 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. As noted above, over 90% of the District's irrigated acreage is now under drip irrigation systems. 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 one public meeting to discuss the development of McMullen's IRP.

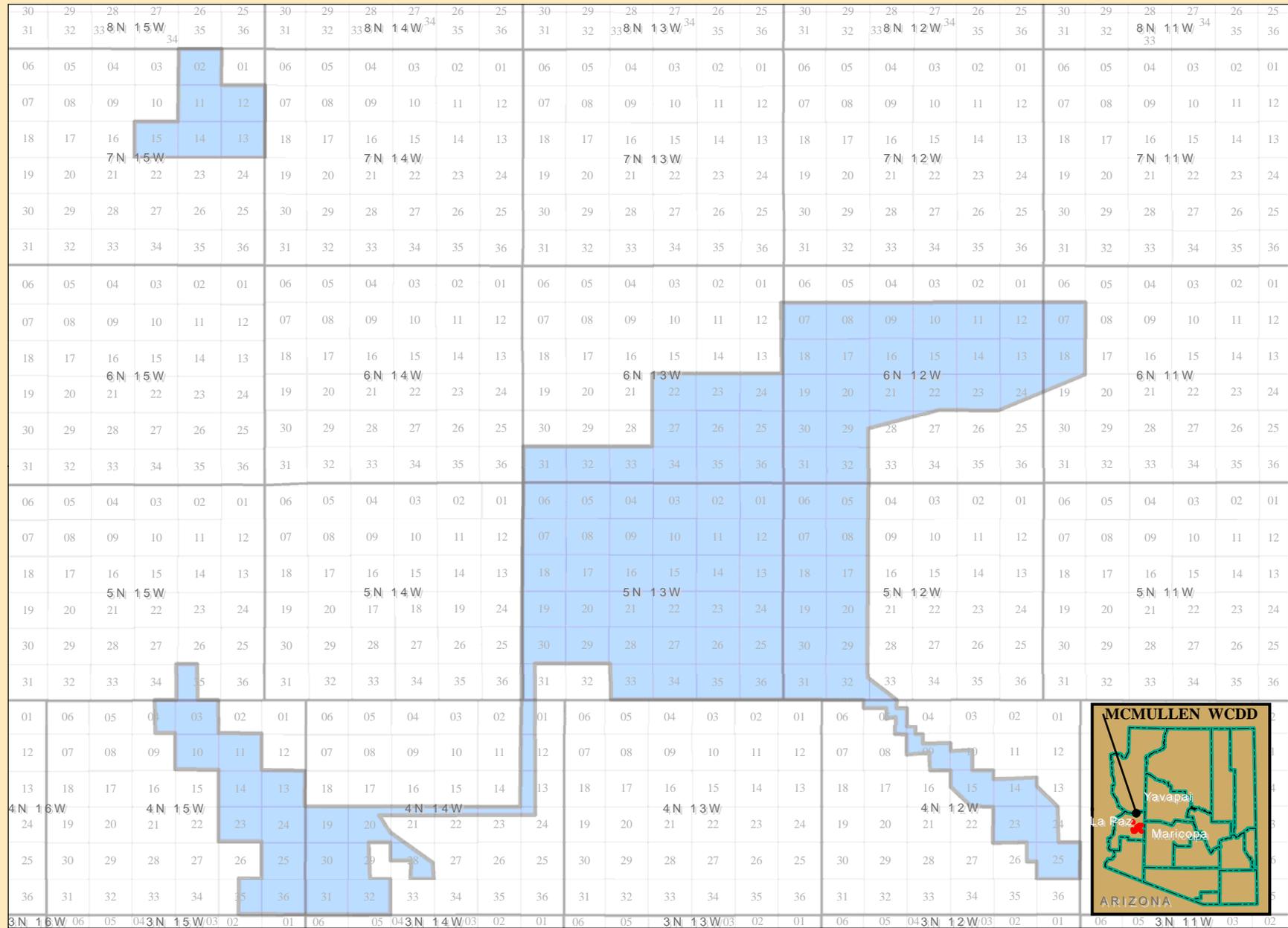
Prior to the meeting, the District posted notice in advance of the meeting, giving the time and place of the meeting and specifying that the District would be considering a draft IRP at the meeting. The notice was posted in accordance with statutory open meeting

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 prior to and at the meeting. A copy of the notice is attached as **Appendix D**.

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.

1 in = 4 miles

APPENDIX A -- Map of District Boundary



Sources: Township Range Section: AZ State land - Aris
 District Boundary : Boundary created by KRSA
 from map provided by client - Legal resolutions
 Not verified by KRSA
 Created: 06/02/2011 - Edited: 10/24/2011 by BLS
 arisdata2011\IRP\MAP\Mcmullen

McMullen Valley Water Conservation and Drainage District

Legend

- Townships
- County Boundary
- Sections
- District Boundary



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



RETAIL RATES EFFECTIVE JANUARY 1, 2009

	<u>Rate 1</u>	<u>Rate 2</u>	<u>Rate 3</u>	<u>Rate 4</u>
Demand (\$/kW)	\$ 5.19	\$ 6.25	\$ 6.30	\$ 6.55
Energy (\$/kWh)	\$ 0.03666	\$ 0.04766	\$ 0.04700	\$ 0.04367
Customer (\$/meter)	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00
State/County Sales Tax	0%	0%	0%	7.6%

McMullen Valley Water Conservation and Drainage District

Demand @ Meters (kW)

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
2002	7,448	4,016	4,700	3,683	4,613	6,573	8,735	8,932	9,493	9,728	9,478	8,909	9,728
2003	6,742	4,174	3,784	4,803	6,434	7,806	10,326	9,563	9,524	9,633	8,786	8,557	10,326
2004	6,552	4,700	4,822	6,208	6,445	8,412	10,900	10,868	10,923	11,118	10,634	10,314	11,118
2005	9,154	4,990	3,750	3,029	5,635	7,316	9,047	9,489	10,436	10,867	10,241	9,908	10,867
2006	9,952	7,769	4,549	4,359	5,971	8,366	9,062	9,159	9,724	9,834	10,111	9,752	10,111
2007	8,898	5,749	5,326	6,015	6,612	10,070	10,457	11,014	10,970	12,187	11,256	12,060	12,187
2008	11,178	7,545	6,919	7,617	8,509	8,705	11,804	11,628	11,967	12,926	11,767	11,377	12,926
2009	11,494	6,739	4,189	4,133	6,192	8,775	11,008	11,817	12,274	12,420	11,843	11,717	12,420
2010	9,493	5,794	4,061	5,074	6,831	7,039	10,716	11,905	12,765	12,775	12,360	12,005	12,775
2011	11,936	6,999	5,759	9,074	8,633	9,567	11,772	11,715	12,662	12,647	12,481	12,725	12,725

Demand @ Substation (kW)

Year	October	November	December	January	February	March	April	May	June	July	August	September	Max
2002	8,087	4,360	5,103	3,999	5,009	7,137	9,484	9,698	10,307	10,562	10,291	9,673	10,562
2003	7,320	4,532	4,109	5,215	6,986	8,476	11,212	10,383	10,341	10,459	9,540	9,291	11,212
2004	7,114	5,103	5,236	6,740	6,998	9,134	11,835	11,800	11,860	12,072	11,546	11,199	12,072
2005	9,939	5,418	4,072	3,289	6,118	7,944	9,823	10,303	11,331	11,799	11,119	10,758	11,799
2006	10,806	8,435	4,939	4,733	6,483	9,084	9,839	9,945	10,558	10,678	10,978	10,588	10,978
2007	9,661	6,242	5,783	6,531	7,179	10,934	11,354	11,959	11,911	13,232	12,221	13,094	13,232
2008	12,137	8,192	7,512	8,270	9,239	9,452	12,817	12,625	12,993	14,035	12,776	12,353	14,035
2009	12,480	7,317	4,548	4,488	6,723	9,528	11,952	12,831	13,327	13,485	12,859	12,722	13,485
2010	10,307	6,291	4,409	5,509	7,417	7,643	11,635	12,926	13,860	13,871	13,420	13,035	13,871
2011	12,960	7,599	6,253	9,852	9,374	10,388	12,782	12,720	13,748	13,732	13,552	13,817	13,817

Energy @ Meters (kWh)

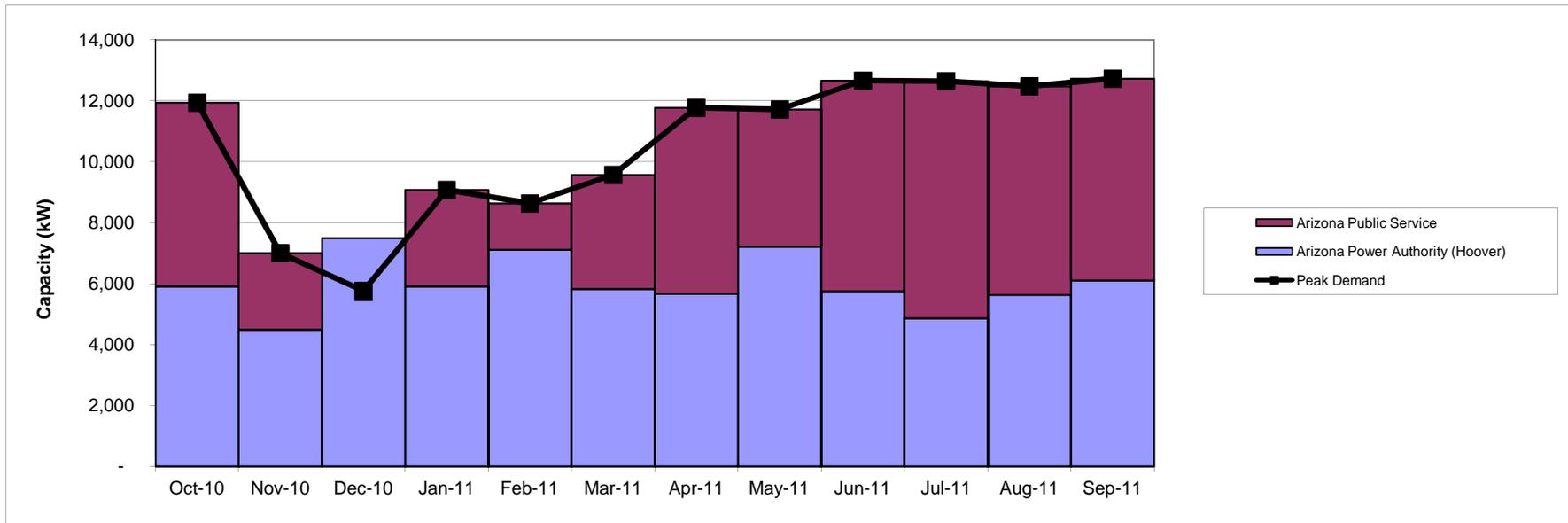
Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2002	1,969,929	749,928	906,154	1,396,789	1,718,002	2,487,039	5,138,932	5,421,202	5,358,865	6,014,815	5,869,559	5,858,496	42,889,710
2003	1,603,442	626,898	712,179	1,978,301	2,278,453	2,659,794	5,575,390	5,210,480	5,731,661	6,138,521	5,063,331	5,180,907	42,759,357
2004	2,213,868	798,388	1,017,303	1,998,536	1,766,165	2,953,381	6,027,310	6,132,467	5,748,475	6,347,021	5,795,223	7,116,351	47,914,488
2005	2,689,960	907,042	590,133	520,709	1,032,535	1,436,846	3,679,865	5,924,060	6,661,480	5,949,037	6,279,240	6,762,497	42,433,404
2006	4,551,676	1,006,024	462,116	959,513	2,023,082	2,759,721	4,862,968	5,682,121	6,971,451	6,283,257	6,712,001	5,624,543	47,898,473
2007	3,761,501	1,263,912	2,085,302	2,441,373	2,807,957	5,313,423	5,978,642	7,288,592	7,115,646	8,984,635	6,368,631	8,591,045	62,000,659
2008	6,211,769	2,764,392	1,423,451	3,062,029	2,186,907	3,936,528	7,399,849	7,256,168	7,664,343	7,392,813	7,602,640	6,975,740	63,876,629
2009	4,857,507	2,352,768	882,011	1,817,045	2,417,996	2,923,218	5,521,303	6,420,996	6,145,149	7,424,052	8,108,659	7,538,725	56,409,429
2010	3,373,982	1,749,783	1,216,121	2,447,313	1,510,182	1,667,592	5,794,426	7,007,447	7,733,402	7,256,466	7,663,263	8,464,793	55,884,770
2011	5,332,230	2,980,473	2,001,083	2,890,061	3,818,283	3,819,362	6,305,555	8,225,998	8,325,448	7,776,231	8,652,922	9,077,942	69,205,588

Energy @ Substation (kWh)

Year	October	November	December	January	February	March	April	May	June	July	August	September	Total
2002	2,084,581	793,575	958,893	1,478,084	1,817,992	2,631,787	5,438,023	5,736,722	5,670,757	6,364,884	6,211,174	6,199,467	45,385,939
2003	1,696,764	663,384	753,629	2,093,440	2,411,061	2,814,597	5,899,884	5,513,735	6,065,250	6,495,789	5,358,022	5,482,441	45,247,996
2004	2,342,717	844,855	1,076,511	2,114,853	1,868,958	3,125,271	6,378,106	6,489,383	6,083,042	6,716,424	6,132,511	7,530,530	50,703,161
2005	2,846,519	959,833	624,479	551,015	1,092,630	1,520,472	3,894,037	6,268,847	7,049,185	6,295,277	6,644,698	7,156,081	44,903,073
2006	4,816,588	1,064,576	489,012	1,015,358	2,140,828	2,920,340	5,145,998	6,012,826	7,377,197	6,648,949	7,102,647	5,951,897	50,686,215
2007	3,980,424	1,337,473	2,206,669	2,583,463	2,971,383	5,622,670	6,326,605	7,712,796	7,529,784	9,507,550	6,739,292	9,091,053	65,609,162
2008	6,573,301	2,925,283	1,506,297	3,240,242	2,314,187	4,165,638	7,830,528	7,678,485	8,110,416	7,823,083	8,045,122	7,381,735	67,594,317
2009	5,140,219	2,489,702	933,345	1,922,799	2,558,726	3,093,352	5,842,649	6,794,705	6,502,803	7,856,140	8,580,592	7,977,487	59,692,519
2010	3,570,351	1,851,622	1,286,901	2,589,749	1,598,076	1,764,648	6,131,668	7,415,288	8,183,494	7,678,800	8,109,273	8,957,453	59,137,323
2011	5,642,571	3,153,940	2,117,548	3,058,266	4,040,511	4,041,653	6,672,545	8,704,760	8,809,998	8,228,816	9,156,531	9,606,288	73,233,427

McMullen Valley Water Conservation and Drainage District

SCHEDULED RESOURCES TO COVER TYPICAL PEAK DEMAND



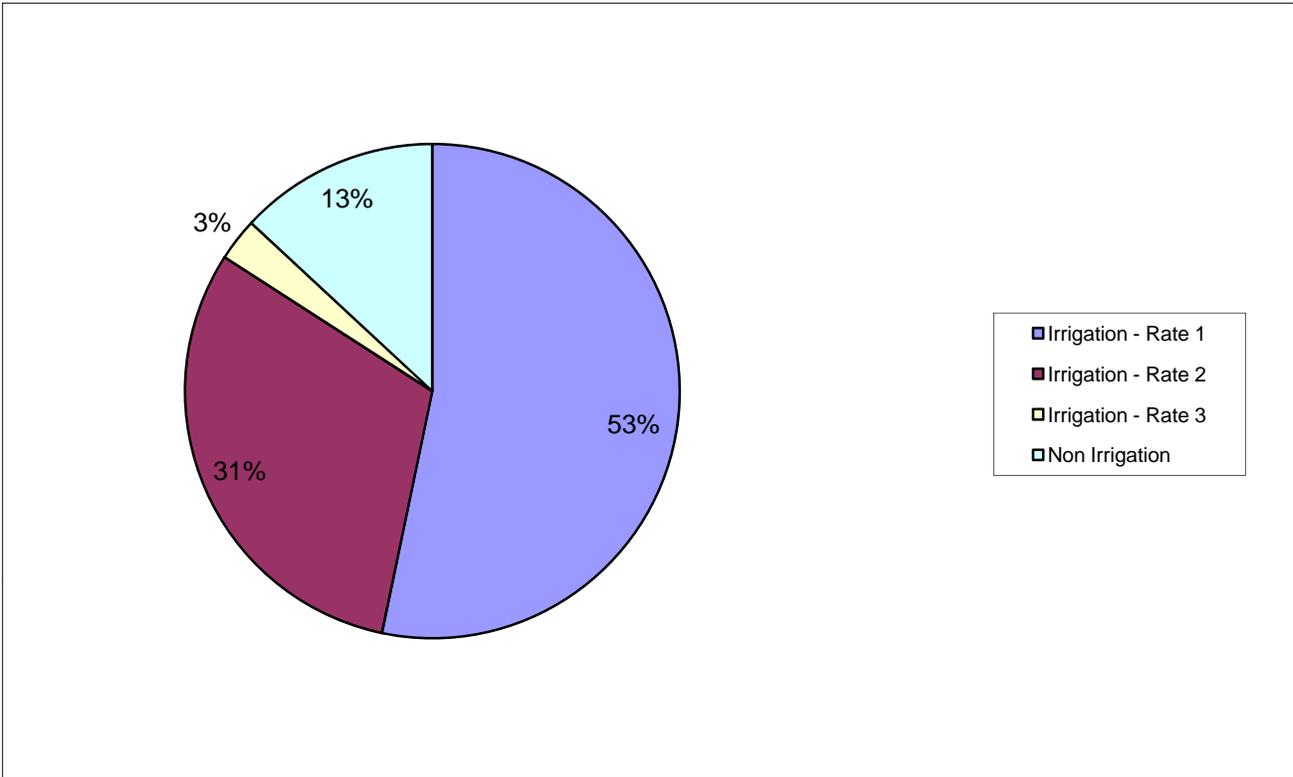
Resources

	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)	5,909	4,496	7,493	5,910	7,110	5,830	5,674	7,212	5,751	4,863	5,637	6,104
Arizona Public Service	6,027	2,503	-	3,164	1,523	3,737	6,098	4,503	6,911	7,784	6,844	6,621
Peak Demand	11,936	6,999	5,759	9,074	8,633	9,567	11,772	11,715	12,662	12,647	12,481	12,725

McMullen Valley Water Conservation and Drainage District

Customer Profile

Customer Type	# of Customers
Irrigation - Rate 1	57
Irrigation - Rate 2	33
Irrigation - Rate 3	3
<u>Non Irrigation</u>	<u>14</u>
Total	107



McMULLEN VALLEY WATER CONSERVATION & DRAINAGE DISTRICT

*P.O. Box 70
66768 Highway 60
Salome, AZ 85348
Phone: (928) 859-3647
Fax: (928) 859-3145
Email: MVWCDD@harcuvarco.com*

*Kemper Brown, President
Larry Hancock, Vice-President
Richard O. Cramer, Treasurer
Maria Hyatt, Member
Michael J. Vanderwey, Member
James D. Downing, P.E., District Engineer*

PUBLIC NOTICE

McMullen Valley Water Conservation & Drainage District (“the District”) will be holding a board meeting at 10:00 am on December, 21, 2011 the District Office, 66768 Highway 60, Salome, Arizona. At that 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 James D. Downing, P.E., District Administrator, (928) 859 3647 for more information.