

Michael Duane Davis, SBN 093678
Marlene L. Allen-Hammarlund, SBN 126418
Derek R. Hoffman, SBN 285784
GRESHAM SAVAGE NOLAN & TILDEN,
A Professional Corporation
3750 University Avenue, Suite 250
Riverside, CA 92501-3335
Telephone: (951) 684-2171
Facsimile: (951) 684-2150

Attorneys for Cross-Defendant/Cross-Complainant,
ANTELOPE VALLEY UNITED MUTUAL GROUP; and
Cross-Defendants, ADAMS BENNETT INVESTMENTS,
LLC; MIRACLE IMPROVEMENT CORPORATION dba
GOLDEN SANDS MOBILE HOME PARK, aka
GOLDEN SANDS TRAILER PARK, named as ROE
1121; ST. ANDREW'S ABBEY, INC., named as ROE
623; SERVICE ROCK PRODUCTS, L.P.; and SHEEP
CREEK WATER COMPANY, INC.

SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF LOS ANGELES

Coordination Proceeding
Special Title (Rule 1550(b))

) Judicial Council Coordination
) Proceeding No. 4408

**ANTELOPE VALLEY GROUNDWATER
CASES**

) Santa Clara Case No. 1-05-CV-049053
) Assigned to the Honorable Jack Komar
) Department 17C

Including Consolidated Actions:

**Los Angeles County Waterworks District
No. 40 v. Diamond Farming Co.**
Superior Court of California, County of Los
Angeles, Case No. BC 325 201

) **CROSS-DEFENDANT/CROSS-**
) **COMPLAINANT, ANTELOPE VALLEY**
) **UNITED MUTUAL GROUP,**
) **SPECIFICALLY ANTELOPE PARK**
) **MUTUAL WATER COMPANY'S,**
) **FIRST SUPPLEMENTAL RESPONSE**
) **TO DECEMBER 12, 2012 DISCOVERY**
) **ORDER FOR PHASE 4 TRIAL**

**Los Angeles County Waterworks District
No. 40 v. Diamond Farming Co.**
Superior Court of California, County of Kern,
Case No. S-1500-CV-254-348

**Wm. Bolthouse Farms, Inc. v. City of
Lancaster**
Diamond Farming Co. v. City of Lancaster
**Diamond Farming Co. v. Palmdale Water
Dist.**

) For Court's Use Only:
) Santa Clara County
) Case No. 1-05-CV-049053
) (For E-Posting/E-Service Purposes Only)

Superior Court of California, County of
Riverside, consolidated actions, Case Nos. RIC
353 840, RIC 344 436, RIC 344 668

AND RELATED ACTIONS.

1 **TO ALL PARTIES AND TO THEIR ATTORNEYS OF RECORD:**

2 Cross-Defendant / Cross-Complainant, **ANTELOPE VALLEY UNITED MUTUAL**
3 **GROUP** [comprised of Antelope Park Mutual Water Co., Aqua-J Mutual Water Co., Averydale
4 Mutual Water Co., Baxter Mutual Water Co., Bleich Flat Mutual Water Co., Colorado Mutual
5 Water Co., Eldorado Mutual Water Co., Evergreen Mutual Water Co., Land Projects Mutual
6 Water Co., Landale Mutual Water Co., Shadow Acres Mutual Water Co., Sundale Mutual Water
7 Co., Sunnyside Farms Mutual Water Co., Tierra Bonita Mutual Water Co., Westside Park
8 Mutual Water Co., and White Fence Farms Mutual Water Co., Inc.], by and through their
9 attorneys of record, Gresham Savage Nolan & Tilden, PC, by Michael Duane Davis, Marlene L.
10 Allen-Hammarlund and Derek R. Hoffman, submit the following supplemental information and
11 materials for **ANTELOPE PARK MUTUAL WATER COMPANY**, under penalty of perjury,
12 in response to the December 12, 2012 Discovery Order for Phase 4 Trial (the "*Discovery*
13 *Order*"), issued by the Honorable Jack Komar, Trial Judge.

14 Cross-Defendant / Cross-Complainant, **ANTELOPE VALLEY UNITED MUTUAL**
15 **GROUP**, and specifically **ANTELOPE PARK MUTUAL WATER COMPANY**, made a
16 good faith effort to fully and accurately respond to the categories of information required by the
17 *Discovery Order* in the Discovery Responses that it filed on December 21, 2012. However, due
18 to the shortness of time between the issuance of the order and the degree of detail required by the
19 *Discovery Order*, Cross-Defendant / Cross-Complainant, **ANTELOPE VALLEY UNITED**
20 **MUTUAL GROUP** hereby supplements its responses for **ANTELOPE PARK MUTUAL**
21 **WATER COMPANY** to include information and documents responsive to the *Discovery Order*
22 which were obtained after the December 21, 2012 deadline, and reserves the right to further
23 supplement its responses pursuant to the *Code of Civil Procedure* and this Court's December 12,
24 2012 *Case Management Order for Phase Four Trial* and this Court's January 17th *First*
25 *Amendment to Case Management Order for Phase Four Trial*.

26 ///

27 ///

1 Each supplemental response is identified by reference to specific responses and
2 documents provided in the **Antelope Park Mutual Water Company** section of *Cross-*
3 *Defendant/Cross-Complainant, Antelope Valley United Mutual Group's Information and*
4 *Materials Responsive To December 12, 2012 Discovery Order For Phase 4 Trial* (the "*Original*
5 *Responses*").

6 These Supplemental Responses are verified by Don Hamilton, whose name and title are
7 set forth in the Verification block at the end of these supplemental Responses. Mr. Hamilton is
8 authorized to make said verification on behalf of the Antelope Park Mutual Water Company.
9 Mr. Hamilton has personal knowledge that the data and the documentation provided by these
10 Supplemental Responses were collected and are maintained by Antelope Park Mutual Water
11 Company's employees, agents and vendors in the ordinary course of Antelope Park Mutual
12 Water Company's business. Mr. Hamilton has obtained (or caused to be obtained) the data and
13 documentation provided by the Supplemental Responses from the business records of Antelope
14 Park Mutual Water Company. Mr. Hamilton has reviewed these Supplemental Responses and
15 believes the data and documentation to be true and correct to the best of his knowledge and
16 belief.

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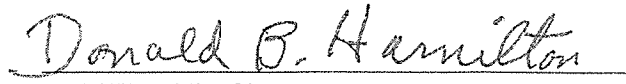
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1 **Verification by Authorized Individual:**

2 I, Don Hamilton, am the President of the Board of Directors of the Antelope Park Mutual
3 Water Company and have personal knowledge of the facts set forth above.

4 If called to do so, I could and would competently testify to these facts under oath. I
5 declare under penalty of perjury under the laws of the State of California that the foregoing is
6 true and correct.

7 Executed this 29 th day of January, 2013 at Lancaster, CA.

8 
9 **DON HAMILTON**

10 Respectfully submitted,
11

12 GRESHAM SAVAGE NOLAN & TIDEN, PC

13 By: 

14 MICHAEL DUANE DAVIS, ESQ.
15 MARLENE L. ALLEN-HAMMARLUND, ESQ.
16 DEREK R. HOFFMAN, ESQ.
17 Attorneys for CROSS-DEFENDANT / CROSS-
18 COMPLAINANT, ANTELOPE VALLEY UNITED
19 MUTUAL GROUP; and CROSS-DEFENDANTS,
20 ADAMS BENNETT INVESTMENTS, LLC, MIRACLE
21 IMPROVEMENT CORPORATION dba GOLDEN
22 SANDS MOBILE HOME PARK, aka GOLDEN
23 SANDS TRAILER PARK [ROE 1121], ST.
24 ANDREW'S ABBEY, INC. [ROE 623], SERVICE
25 ROCK PRODUCTS, L.P., and SHEEP CREEK WATER
26 COMPANY, INC.
27

28 GRESHAM | SAVAGE
ATTORNEYS AT LAW
3750 UNIVERSITY AVE.
STE. 250
RIVERSIDE, CA 92501-3335
(951) 684-2171

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CROSS-DEFENDANT/CROSS-COMPLAINANT, ANTELOPE VALLEY UNITED MUTUAL GROUP, SPECIFICALLY
ANTELOPE PARK MUTUAL WATER COMPANY'S, FIRST SUPPLEMENTAL RESPONSE TO DECEMBER 12, 2012
DISCOVERY ORDER FOR PHASE 4 TRIAL

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PROOF OF SERVICE
STATE OF CALIFORNIA, COUNTY OF RIVERSIDE

Re: *ANTELOPE VALLEY GROUNDWATER CASES*
Los Angeles County Superior Court Judicial Council Coordinated
Proceedings No. 4408; Santa Clara County Superior Court Case No. 1-05-CV-049053

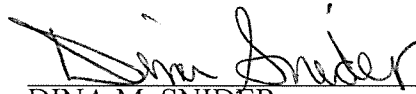
I am employed in the County of Riverside, State of California. I am over the age of 18 years and not a party to the within action; my business address is: 3750 University Avenue, Suite 250, Riverside, CA 92501-3335.

On January 30, 2013, I served the foregoing document(s) described as **CROSS-DEFENDANT/CROSS-COMPLAINANT, ANTELOPE VALLEY UNITED MUTUAL GROUP, SPECIFICALLY ANTELOPE PARK MUTUAL WATER COMPANY'S, FIRST SUPPLEMENTAL RESPONSE TO DECEMBER 12, 2012 DISCOVERY ORDER FOR PHASE 4 TRIAL** on the interested parties in this action in the following manner:

(X) **BY ELECTRONIC SERVICE** – I posted the document(s) listed above to the Santa Clara County Superior Court website, <http://www.scefiling.org>, in the action of the Antelope Valley Groundwater Cases,

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on January 30, 2013, at Riverside, California.


DINA M. SNIDER

1 ANTELOPE PARK MUTUAL WATER COMPANY

2 Attachment I.3.a.i.

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GRESHAM | SAVAGE
ATTORNEYS AT LAW
3750 UNIVERSITY AVE.
STE. 250
RIVERSIDE, CA 92501-3335
(951) 684-2171

CROSS-DEFENDANT/CROSS-COMPLAINANT, ANTELOPE VALLEY UNITED MUTUAL GROUP, SPECIFICALLY
ANTELOPE PARK MUTUAL WATER COMPANY'S, FIRST SUPPLEMENTAL RESPONSE TO DECEMBER 12, 2012
DISCOVERY ORDER FOR PHASE 4 TRIAL

ANTELOPE PARK MUTUAL WATER COMPANY

Well Water Extraction for Years 2000-2004

Prepared by Larry Gorden
December 22, 2012

Well groundwater extraction (water pumped) for the years 2000 through 2004 are required for Antelope Valley Water Adjudication. Antelope Park has two wells which are used alternately to fill storage tanks.

Antelope Park groundwater extraction estimate is based on Edison records of power consumed in KWH (kilowatt hours) and Edison pump efficiency test. The pump efficiency test provides an estimate of pumping rate in KWH/Acre-Ft. The latest Edison pump efficiency test was conducted May 14, 2010.

Three pumps are the source of electricity usage on the Edison meter: (1) well pump #3, (2) well pump #4, and (3) Booster Pump. Well pump #3 and Well Pump #4 are used alternately to pump groundwater into a holding tank so the rate of power consumption will be the average of the two pumps.

Well pump #3	737	KWH/Acre-Ft
Well pump #4	547	KWH/Acre-Ft
Well Average	642	KWH/Acre-Ft

A Booster pump (aka. pressure pump) pumps water from the holding tank into a pressure tank for distribution to customers. Thus overall power consumption for pumping water will be the well average consumption plus booster pump consumption.

Well Average	642	KWH/Acre-Ft
Booster	362	KWH/Acre-Ft
Well Average + Booster	1004	KWH/Acre-Ft

For any period in which KWH electricity usage is available, water pumped can be computed by

$$\text{Water Pumped} = \frac{\text{KWH usage}}{1004 \frac{\text{KWH}}{\text{Acre-Ft}}}$$

Using Edison yearly electricity usage records with this calculation we get:

<i>Year</i>	<i>KWH in Year</i>	<i>Acre-Ft in Year</i>
2000	171336	170.65
2001	163440	162.79
2002	174792	174.10
2003	167408	166.74
2004	170224	169.55

Edison

1/28/11 856.60

3/28/11 1146.74

4/29/11 858.23

5/28/11 1174.29

6/28/11 2224.35

7/30/11 3319.51

8/26/11 3418.46

9/28/11 3153.64

10/27/11 2988.06

11/30/12 + 12 6452.40

1/29/12 - 100296 ✓

2/27/12 662.05 ✓

3/30/12 1045.57 ✓

4/30/12 963.48 ✓

5/28/12 1097.13 ✓

6/27/12 1858.10 ✓

7/30/12 2074.69 ✓

8/31/12 2068.83 ✓

9/30/12 1954.08 ✓

10/31/12 1446.06 ✓

11/30/12 1073.02 ✓

12/31/12 918.82

12/30/12

Payment to Edison Co. for
Power 2011 and 2012



P.O. Box 300
Rosemead, CA
91772-0001
www.sce.com

Your electricity bill

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week
Date bill prepared: Jan 27 '10

Customer account 2-02-822-9169
Service account 3-003-4911-65
 1725 W AVENUE K8
 LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

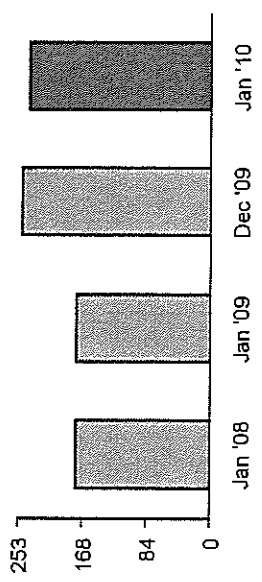
Amount of your last bill	\$1,069.02
Payment we received on Jan 04 '10 - thank you	-\$1,069.02
Balance forward	\$0.00
Your new charges	\$1,057.75
Total amount you owe by Feb 16 '10	\$1,057.75

Compare the electricity you are using

Your current read for meter 3412-013071 - Jan 25 '10	08773
Your previous read - Dec 24 '09	- 01004
Total electricity you used this month in kWh	7,769

Your next meter read will be on or about Feb 25 '10.
Maximum demand is 61.0 kW

Your daily average electricity usage (kWh)



Your monthly usage may be higher than usual...
Based on your historical usage pattern, your monthly usage is trending higher than normal. As a result, you may notice an increase in your bill. If you would like information on tips and programs that can help you lower your energy usage and your bill, please visit www.sce.com/billhelper.



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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Feb 25 '10

Customer account 2-02-822-9169
Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,057.75
Payment we received on Feb 01 '10 - thank you	-\$1,057.75
Balance forward	\$0.00
Your new charges	\$931.06
Total amount you owe by Mar 16 '10	\$931.06

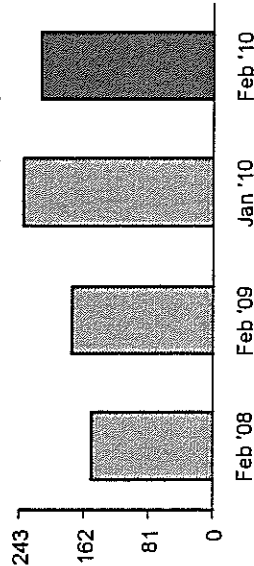
Compare the electricity you are using

Your current read for meter 3412-013071 - Feb 24 '10 15373
Your previous read - Jan 25 '10 - 08773
Total electricity you used this month in kWh 6,600

Your next meter read will be on or about Mar 26 '10.

Maximum demand is 56.0 kW

Your daily average electricity usage (kWh)



Paid
2/27/10

Please return the payment stub below with your payment and make your check payable to Southern California Edison.
If you want to pay in person, call 1-800-747-8908 for locations, or you can pay online at www.sce.com.

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Your electricity bill

HAMILTON, D B / Page 1 of 6

For billing and service inquiries call 1-800-684-8123,
24 hrs a day, 7 days a week

Date bill prepared: Mar 27 '10

Customer account 2-14-292-3598
Service account 3-007-6186-00
43337 18TH ST W
LANCASTER, CA 93534
Rotating outage Group A019

Your account summary

Amount of your last bill	\$51.06
Payment we received on Mar 03 '10 - thank you	-\$51.06
Balance forward	\$0.00
Your new charges	\$53.41
Total amount you owe by Apr 15 '10	\$53.41

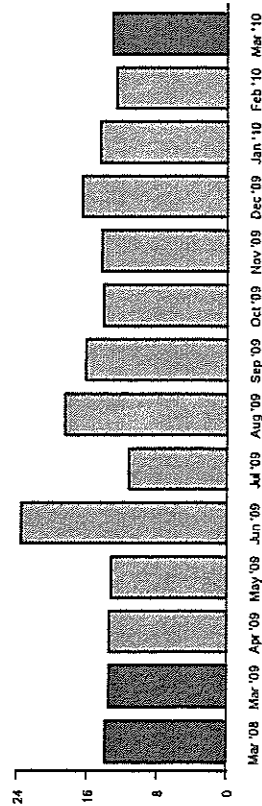
Compare the electricity you are using

Your current read for meter 208-050826 - Mar 26 '10	40682
Your previous read - Feb 24 '10	- 40270
Total electricity you used this month in kWh	412

Your next meter read will be on or about Apr 26 '10.

Your daily average electricity usage (kWh)

2 Years ago: 14.48 Last year: 14.10 This year: 13.73



Paid 4/1/10



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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

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Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Apr 27 '10

Customer account 2-02-822-9169
Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,130.46
Payment we received on Apr 05 '10 - thank you	-\$1,130.46
Balance forward	\$0.00
Your new charges	\$1,291.39
Total amount you owe by May 17 '10	\$1,291.39

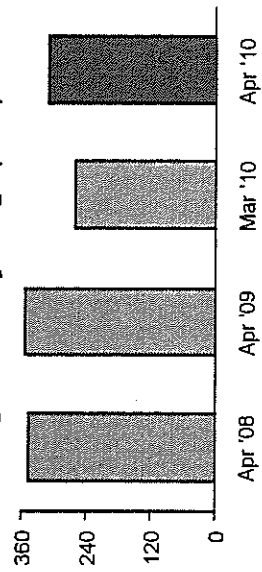
Compare the electricity you are using

Your current read for meter 3412-013071 - Apr 26 '10	33213
Your previous read - Mar 26 '10	- 23382
Total electricity you used this month in kWh	9,831

Your next meter read will be on or about May 25 '10.

Maximum demand is 60.0 kW

Your daily average electricity usage (kWh)



Paid 4/30/10

Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
 Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
 For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Mar 27 '10

Customer account 2-02-822-9169
Service account 3-003-4911-65
 1725 W AVENUE K8
 LANCASTER, CA 93534
Rotating outage Group X999

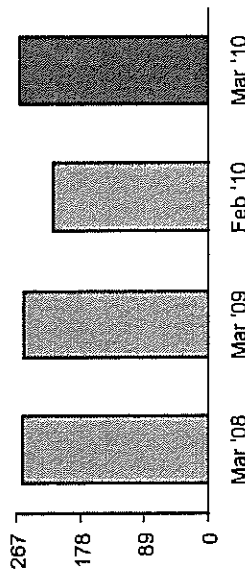
Your account summary

Amount of your last bill \$931.06
 Payment we received on Mar 03 '10 - thank you -\$931.06
 Balance forward \$0.00
 Your new charges \$1,130.46
Total amount you owe by Apr 15 '10 \$1,130.46

Compare the electricity you are using

Your current read for meter 3412-013071 - Mar 26 '10 23382
 Your previous read - Feb 24 '10 - 15373
Total electricity you used this month in kWh 8,009
 Your next meter read will be on or about Apr 26 '10.
 Maximum demand is 59.0 kW

Your daily average electricity usage (kWh)



Paid 4/1/10

Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
 Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
 For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: May 26 '10

Customer account 2-02-822-9169
Service account 3-003-4911-65
 1725 W AVENUE K8
 LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,291.39
Payment we received on May 05 '10 - thank you	-\$1,291.39
Balance forward	\$0.00
Your new charges	\$1,521.63
Total amount you owe by Jun 14 '10	\$1,521.63



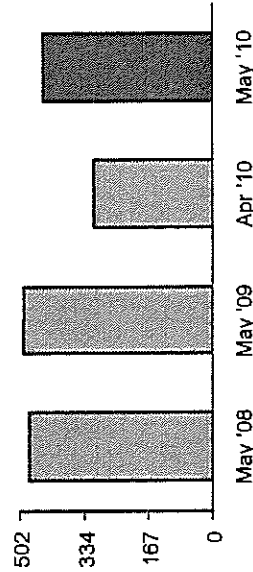
Compare the electricity you are using

Your current read for meter 3412-013071 - May 24 '10 45831
 Your previous read - Apr 26 '10 - 33213
 Total electricity you used this month in kWh 12,618

Your next meter read will be on or about Jun 24 '10.

Maximum demand is 62.0 kW

Your daily average electricity usage (kWh)



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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Jun 25 '10

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,521.63
Payment we received on Jun 03 '10 - thank you	-\$1,521.63
Balance forward	\$0.00
Your new charges	\$2,570.21
Total amount you owe by Jul 14 '10	\$2,570.21

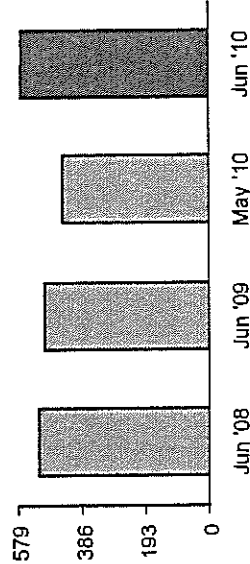
Compare the electricity you are using

Your current read for meter 3412-013071 - Jun 23 '10	63186
Your previous read - May 24 '10	- 45831
Total electricity you used this month in kWh	17,355

Your next meter read will be on or about Jul 26 '10.

Maximum demand is 63.0 kW

Your daily average electricity usage (kWh)



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91772-0001
www.sce.com

Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Jul 27 '10

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$2,570.21
Payment we received on Jun 29 '10 - thank you	-\$2,570.21
Balance forward	\$0.00
Your new charges	\$3,226.58
Total amount you owe by Aug 16 '10	\$3,226.58

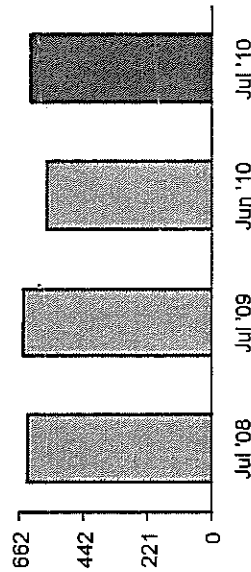
Compare the electricity you are using

Your current read for meter 3412-013071 - Jul 26 '10 84174
Your previous read - Jun 23 '10 - 63186
Total electricity you used this month in kWh 20,988

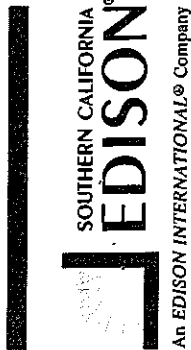
Your next meter read will be on or about Aug 24 '10.

Maximum demand is 64.0 kW

Your daily average electricity usage (kWh)



Paid 7/29/10



P.O. Box 300
Rosemead, CA
91772-0001
www.sce.com

Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Aug 25 '10

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$3,226.58
Payment we received on Aug 02 '10 - thank you	-\$3,226.58
Balance forward	\$0.00
Your new charges	\$2,836.62
Total amount you owe by Sep 13 '10	\$2,836.62

Paid 8/30/10

Compare the electricity you are using

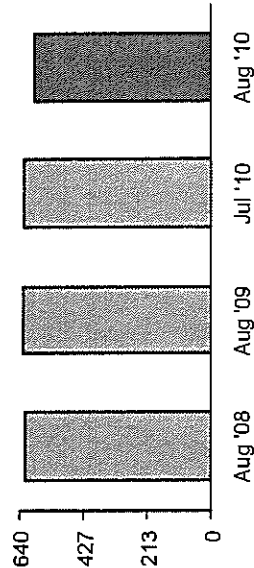
Your current read for meter 3412-013071 - Aug 24 '10 01623
Your previous read - Jul 26 '10 - 84174

Your next meter read will be on or about Sep 23 '10.

Total electricity you used this month in kWh 17,449

Maximum demand is 64.0 kW

Your daily average electricity usage (kWh)



Please return the payment stub if
if you want to pay in per

nt and make your check payable to Southern California Edison.
r locations, or you can pay online at www.sce.com.

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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

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Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Sep 24 '10

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Paid 9/29/10

Amount of your last bill	\$2,836.62
Payment we received on Sep 02 '10 - thank you	-\$2,836.62
Balance forward	\$0.00
Your new charges	\$2,663.80
Total amount you owe by Oct 13 '10	\$2,663.80



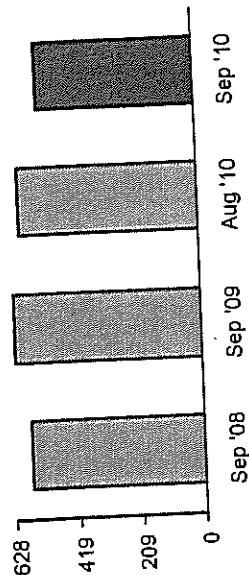
Compare the electricity you are using

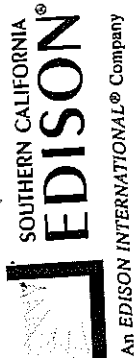
Your current read for meter 3412-013071 - Sep 23 '10	17559
Your previous read - Aug 24 '10	- 01623
Total electricity you used this month in kWh	15,936

Your next meter read will be on or about Oct 25 '10.

Maximum demand is 64.0 kW

Your daily average electricity usage (kWh)





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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 8

Customer account 2-02-822-9169
Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534
Rotating outage Group X999

For billing and service inquiries call 1-800-896-1245,
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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Oct 26 '10

Your account summary

Amount of your last bill	\$2,663.80
Payment we received on Oct 01 '10 - thank you	-\$2,663.80
Balance forward	\$0.00
Your new charges	\$1,545.98
Total amount you owe by Nov 15 '10	\$1,545.98



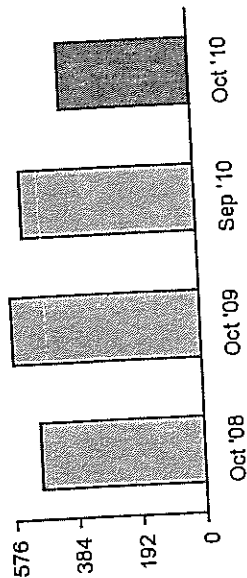
Compare the electricity you are using

Your current read for meter 3412-013071 - Oct 25 '10	30416
Your previous read - Sep 23 '10	- 17559
Total electricity you used this month in kWh	12,857

Your next meter read will be on or about Nov 23 '10.

Maximum demand is 44.0 kW

Your daily average electricity usage (kWh)



10/29/10
Paid



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Date bill prepared: Dec 24 '10

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,423.85
Payment we received on Nov 29 '10 - thank you	-\$1,423.85
Balance forward	\$0.00
Your new charges	\$851.23
Total amount you owe by Jan 12 '11	\$851.23

Compare the electricity you are using

Your current read for meter 3412-013071 - Dec 23 '10 44222
Your previous read - Nov 23 '10 - 38430

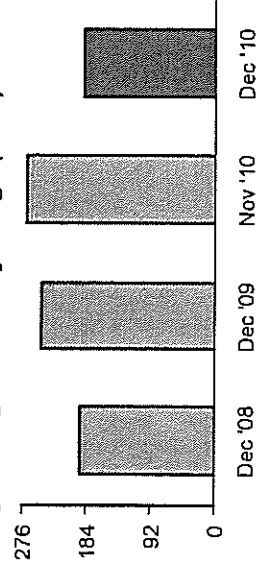
Your next meter read will be on or about Jan 25 '11.

Total electricity you used this month in kWh

5,792

Maximum demand is 42.0 kW

Your daily average electricity usage (kWh)



Paid 12/28/10



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Your electricity bill

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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Jan 26 '11

Customer account 2-02-822-9169
Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

Amount of your last bill	\$851.23
Payment we received on Dec 30 '10 - thank you	-\$851.23
Balance forward	\$0.00
Your new charges	\$856.60
Total amount you owe by Feb 14 '11	\$856.60

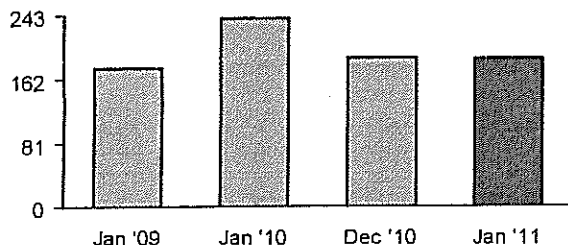
Compare the electricity you are using

Your current read for meter 3412-013071 - Jan 24 '11	50338
Your previous read - Dec 23 '10	- 44222
Total electricity you used this month in kWh	6,116

Your next meter read will be on or about Feb 24 '11.

Maximum demand is 39.0 kW

Your daily average electricity usage (kWh)



Paid 1/28/11



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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Mar 26 '11

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$626.67
Payment we received on Mar 04 '11 - thank you	-\$626.67
Balance forward	\$0.00
Your new charges	\$1,146.74
Total amount you owe by Apr 14 '11	\$1,146.74

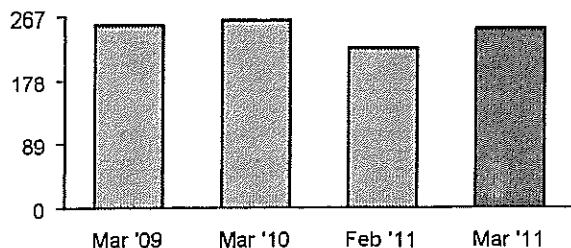
Compare the electricity you are using

Your current read for meter 3412-013071 - Mar 24 '11	64608
Your previous read - Feb 24 '11	- 57465
Total electricity you used this month in kWh	7,143

Your next meter read will be on or about Apr 25 '11.

Maximum demand is 65.0 kW

Your daily average electricity usage (kWh)



Paid 3/27/11



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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: May 25 '11

Customer account 2-02-822-9169
Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534
Rotating outage Group X999

Your account summary

Amount of your last bill	\$858.63
Payment we received on May 02 '11 - thank you	-\$858.23
Past due amount	\$0.40
Your new charges	\$1,173.89
Total amount you owe	\$1,174.29

Paid 5/28/11 Cr# 5569

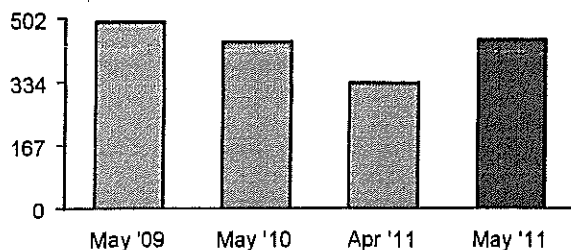
Compare the electricity you are using

Your current read for meter 3412-013071 - May 24 '11	89020
Your previous read - Apr 22 '11	- 74435
Total electricity you used this month in kWh	14,585

Your next meter read will be on or about Jun 23 '11.

Maximum demand is 0.0 kW

Your daily average electricity usage (kWh)



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Your electricity bill

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Date bill prepared: Jun 23 '11

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,174.29
Payment we received on May 31 '11 - thank you	-\$1,174.29
Balance forward	\$0.00
Your new charges	\$2,224.35
Total amount you owe by Jul 12 '11	\$2,224.35

Paid 6/28/11

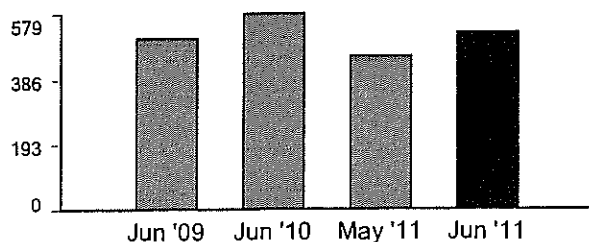
Compare the electricity you are using

Your current read for meter 3412-013071 - Jun 22 '11	04186
Your previous read - May 24 '11	- 89020
Total electricity you used this month in kWh	15,166

Your next meter read will be on or about Jul 25 '11.

Maximum demand is 66 kW

Your daily average electricity usage (kWh)





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Date bill prepared: Aug 23 '11

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$3,319.51
Payment we received on Aug 03 '11 - thank you	-\$3,319.51
Balance forward	\$0.00
Your new charges	\$3,418.46
Total amount you owe by Sep 12 '11	\$3,418.46

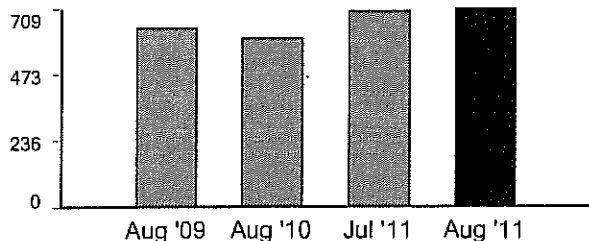
Compare the electricity you are using

Your current read for meter 3412-013071 - Aug 22 '11	47245
Your previous read - Jul 22 '11	- 25252
Total electricity you used this month in kWh	21,993

Your next meter read will be on or about Sep 22 '11.

Maximum demand is 88 kW

Your daily average electricity usage (kWh)



Paid 8/26/11



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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Oct 25 '11

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$3,153.64
Payment we received on Sep 28 '11 - thank you	-\$3,153.64
Balance forward	\$0.00
Your new charges	\$2,988.06
Total amount you owe by Nov 14 '11	\$2,988.06

Compare the electricity you are using

Your current read for meter 3412-013071 - Oct 24 '11

02745

Your previous read - Sep 22 '11

- 67396

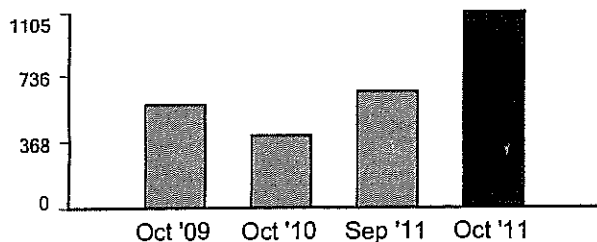
Total electricity you used this month in kWh

35,349

Your next meter read will be on or about Nov 23 '11.

Maximum demand is 0 kW

Your daily average electricity usage (kWh)



Your monthly usage may be higher than usual...
Based on your historical usage pattern, your monthly usage is trending higher than normal. As a result, you may notice an increase in your bill. If you would like information on tips and programs that can help you lower your energy usage and your bill, please visit www.sce.com/billhelper.

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Date bill prepared: Jan 26 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Credit from previous billing	-\$994.50
Credit balance	-\$994.50
Your new charges	\$1,997.46
Total amount you owe by Feb 14 '12	\$1,002.96

Paid 1/29/12

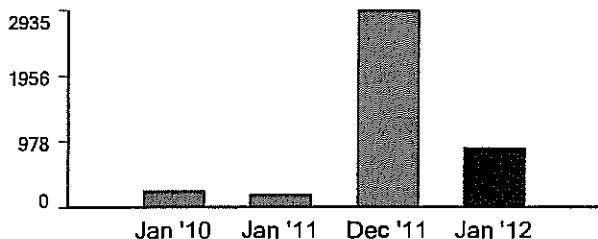
Compare the electricity you are using

Your current read for meter 3412-013071 - Jan 24 '12	08975
Your previous read - Dec 23 '11	- 80699
Total electricity you used this month in kWh	28,276

Your next meter read will be on or about Feb 24 '12.

Maximum demand is 2 kW

Your daily average electricity usage (kWh)



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Based on your historical usage pattern, your monthly usage is trending higher than normal. As a result, you may notice an increase in your bill. If you would like information on tips and programs that can help you lower your energy usage and your bill, please visit www.sce.com/billhelper.

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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Feb 25 '12

Customer account: 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,002.96
Payment we received on Feb 01 '12 - thank you	-\$1,002.96
Balance forward	\$0.00
Your new charges	\$662.05
Total amount you owe by Mar 15 '12	\$662.05

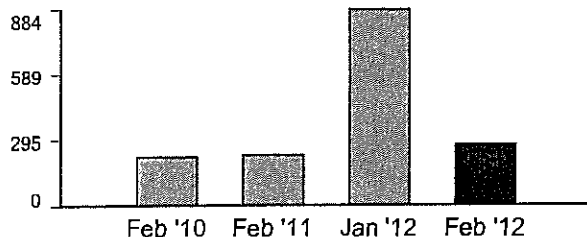
Compare the electricity you are using

Your current read for meter 3412-013071 - Feb 24 '12	17494
Your previous read - Jan 24 '12	- 08975
Total electricity you used this month in kWh	8,519

Your next meter read will be on or about Mar 26 '12.

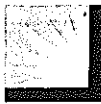
Maximum demand is 2 kW

Your daily average electricity usage (kWh)



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2/27/12*

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Date bill prepared: Mar 28 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$662.05
Payment we received on Feb 29 '12 - thank you	-\$662.05
Balance forward	\$0.00
Your new charges	\$1,045.57
Total amount you owe by Apr 16 '12	\$1,045.57

Paid 3/29/12

Compare the electricity you are using

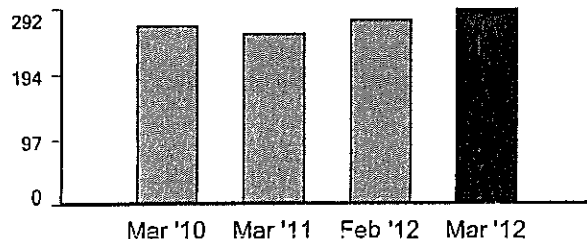
Your current read for meter 3412-013071 - Mar 16 '12	23832
Your previous read - Feb 24 '12	- 17494
Total electricity in kWh for this meter	6,338

Your next meter read will be on or about Apr 24 '12.

Maximum demand is 45 kW

For meter 254000-002117 from Mar 16 '12 to Mar 26 '12	
Total electricity in kWh for this meter	2,705
Total electricity you used this month in kWh	9,043

Your daily average electricity usage (kWh)



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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: May 1 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,045.57
Payment we received on Apr 02 '12 - thank you	-\$1,045.57
Balance forward	\$0.00
Your new charges	\$963.48
Total amount you owe by May 21 '12	\$963.48



Paid 5/4/12

Compare the electricity you are using

For meter 254000-002117 from Mar 26 '12 to Apr 24 '12
Total electricity you used this month in kWh

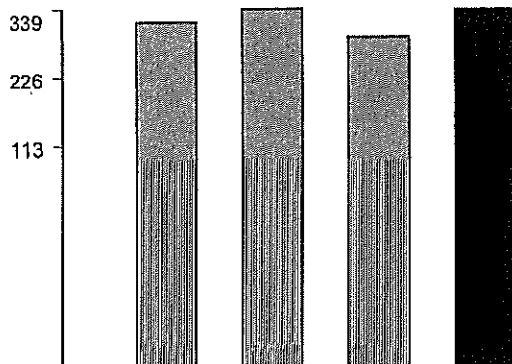
9,819

Your next meter read will be on or about May 23 '12.

	Electricity (kWh)	Demand (kW)	
Winter Season			
Mid peak	3,966	45	(Apr 9 '12 08:00 to 08:15)
Off peak	5,853	42	(Apr 7 '12 19:15 to 19:30)
Total	9,819		

Maximum demand is 45 kW

Your daily average electricity usage (kWh)



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For emergency services call 24 hrs a day, 7 days a week

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Date bill prepared: May 26 '12

Rotating outage Group X999

Your account summary

Amount of your last bill	\$963.48
Payment we received on May 07 '12 - thank you	-\$963.48
Balance forward	\$0.00
Your new charges	\$1,097.13
Total amount you owe by Jun 14 '12	\$1,097.13

Compare the electricity you are using

For meter 254000-002117 from Apr 24 '12 to May 23 '12
Total electricity you used this month in kWh

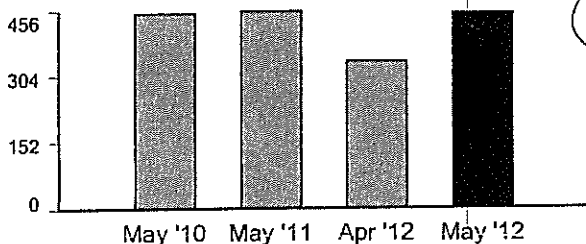
13,117

Your next meter read will be on or about Jun 22 '12.

	Electricity (kWh)	Demand (kW)	
Winter Season			
Mid peak	4,321	44	(May 21 '12 20:00 to 20:15)
Off peak	8,796	44	(Apr 28 '12 09:00 to 09:15)
Total	13,117		

Maximum demand is 44 kW

Your daily average electricity usage (kWh)



Handwritten note: Paid 5/28/12

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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Jun 23 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,097.13
Payment we received on Jun 01 '12 - thank you	-\$1,097.13
Balance forward	\$0.00
Your new charges	\$1,858.10
Total amount you owe by Jul 12 '12	\$1,858.10

Paid 6/27/12

Compare the electricity you are using

For meter 254000-002117 from May 23 '12 to Jun 22 '12
Total electricity you used this month in kWh

16,153

Your next meter read will be on or about Jul 24 '12.

	Electricity (kWh)	Demand (kW)	
Winter Season			
Mid peak	1,137	44	(May 31 '12 20:30 to 20:45)
Off peak	3,122	44	(May 31 '12 21:00 to 21:15)
Summer Season			
On peak	1,552	44	(Jun 11 '12 17:00 to 17:15)
Mid peak	3,549	61	(Jun 5 '12 08:00 to 08:15)
Off peak	6,793	47	(Jun 16 '12 20:30 to 20:45)
Total	16,153		

Maximum demand is 61 kW

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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Jul 27 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,858.10
Payment we received on Jun 29 '12 - thank you	-\$1,858.10
Balance forward	\$0.00
Your new charges	\$2,074.69
Total amount you owe by Aug 15 '12	\$2,074.69



Paid 7/30/12

Compare the electricity you are using

For meter 254000-002117 from Jun 22 '12 to Jul 24 '12
Total electricity you used this month in kWh

19,091

Your next meter read will be on or about Aug 22 '12.

	Electricity (kWh)	Demand (kW)	
Summer Season			
On peak	2,073	45	(Jun 22 '12 15:15 to 15:30)
Mid peak	5,010	48	(Jun 26 '12 20:00 to 20:15)
Off peak	12,008	47	(Jul 12 '12 05:30 to 05:45)
Total	19,091		

Maximum demand is 48 kW

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For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Aug 28 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$2,074.69
Payment we received on Aug 03 '12 - thank you	-\$2,074.69
Balance forward	\$0.00
Your new charges	\$2,068.83
Total amount you owe by Sep 17 '12	\$2,068.83

Handwritten: Paid 8/31/12

Compare the electricity you are using

For meter 254000-002117 from Jul 24 '12 to Aug 22 '12
Total electricity you used this month in kWh

18,173

Your next meter read will be on or about Sep 21 '12.

	Electricity (kWh)	Demand (kW)
Summer Season		
On peak	2,762	45 (Jul 26 '12 12:45 to 13:00)
Mid peak	5,355	47 (Jul 31 '12 20:45 to 21:00)
Off peak	10,056	48 (Jul 24 '12 07:45 to 08:00)
Total	18,173	

Maximum demand is 48 kW

Please return the payment stub below with your payment and make your check payable to Southern California Edison.
If you want to pay in person, call 1-800-747-8908 for locations, or you can pay online at www.sce.com.

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SOUTHERN CALIFORNIA
EDISON[®]

An EDISON INTERNATIONAL[®] Company

P.O. Box 300
Rosemead, CA
91772-0001
www.sce.com

Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 6

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Sep 26 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$2,068.83
Payment we received on Sep 04 '12 - thank you	-\$2,068.83
Balance forward	\$0.00
Your new charges	\$1,954.08
Total amount you owe by Oct 15 '12	\$1,954.08

Compare the electricity you are using

For meter 254000-002117 from Aug 22 '12 to Sep 21 '12

Total electricity you used this month in kWh

17,541

Your next meter read will be on or about Oct 24 '12.

	Electricity (kWh)	Demand (kW)
Summer Season		
On peak	1,851	44 (Sep 4 '12 17:00 to 17:15)
Mid peak	4,879	47 (Sep 4 '12 20:00 to 20:15)
Off peak	10,811	46 (Aug 29 '12 07:00 to 07:15)
Total	17,541	

Maximum demand is 47 kW

Paid
10/1/12

Please return the payment stub below with your payment and make your check payable to Southern California Edison.
If you want to pay in person, call 1-800-747-8908 for locations, or you can pay online at www.sce.com.

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Your electricity bill

ANTELOPE PARK MUTUAL WATER CO / Page 1 of 8

For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Oct 27 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,954.08
Payment we received on Oct 03 '12 - thank you	-\$1,954.08
Balance forward	\$0.00
Your new charges	\$1,446.06
Total amount you owe by Nov 15 '12	\$1,446.06

Compare the electricity you are using

For meter 254000-002117 from Sep 21 '12 to Oct 24 '12

Total electricity you used this month in kWh

15,756

Your next meter read will be on or about Nov 26 '12.

	Electricity (kWh)	Demand (kW)	
Summer Season			
On peak	486	42	(Sep 21 '12 16:45 to 17:00)
Mid peak	1,417	45	(Sep 21 '12 19:30 to 19:45)
Off peak	3,528	45	(Sep 23 '12 19:00 to 19:15)
Winter Season			
Mid peak	3,992	45	(Oct 4 '12 08:15 to 08:30)
Off peak	6,333	45	(Oct 4 '12 07:30 to 07:45)
Total	15,756		

Maximum demand is 45 kW

Paid 11/1/12

Please return the payment stub below with your payment and make your check payable to Southern California Edison.
If you want to pay in person, call 1-800-747-8908 for locations, or you can pay online at www.sce.com.

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For billing and service inquiries call 1-800-896-1245,
Mon - Fri 7 a.m. to 7 p.m. and Saturday 8 a.m. to 5 p.m.
For emergency services call 24 hrs a day, 7 days a week

Date bill prepared: Nov 29 '12

Customer account 2-02-822-9169

Service account 3-003-4911-65
1725 W. AVENUE K8
LANCASTER, CA 93534

Rotating outage Group X999

Your account summary

Amount of your last bill	\$1,446.06
Payment we received on Nov 05 '12 - thank you	-\$1,446.06
Balance forward	\$0.00
Your new charges	\$1,073.02
Total amount you owe by Dec 18 '12	\$1,073.02

Compare the electricity you are using

For meter 254000-002117 from Oct 24 '12 to Nov 26 '12
Total electricity you used this month in kWh

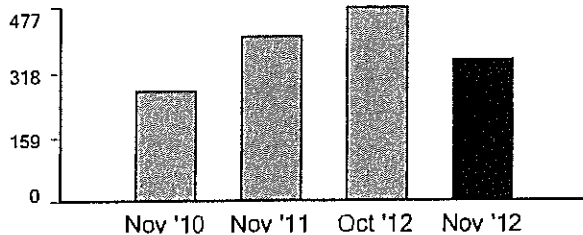
11,551

Your next meter read will be on or about Dec 24 '12.

	Electricity (kWh)	Demand (kW)
Winter Season		
Mid peak	4,146	43 (Oct 30 '12 08:15 to 08:30)
Off peak	7,405	45 (Nov 25 '12 11:00 to 11:15)
Total	11,551	

Maximum demand is 45 kW

Your daily average electricity usage (kWh)



Paid - 12/1/12

Please return the payment stub below with your payment and make your check payable to Southern California Edison.
If you want to pay in person, call 1-800-747-8908 for locations, or you can pay online at www.sce.com.

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Antelope Park Mutual Water
P.O. Box 1712
Lancaster, CA 93534

TO WHOM IT MAY CONCERN.

Reporting from the Antelope Park Mutual Water Company of
Lancaster Calif.

Water pumped from wells for the years 2011 and 2012.

Year 2011 approximatly----- 245,220,000 gallons - 752.60 A/F

Year 2012 approximatly ----- 245,980,000 gallons. - 754.94 A/F.

Submitted By

Don Hamilton

Don Hamilton
Board President of
the Antelope Park
Mutual Water Co.

PAK

Comp'd out by
Larry Gordon

Antelope Mutual Water Co.

Well Water Extracted in years 2000 through 2004

Calculations based on May 2010 Edison Well Efficiency test and Edison meter readings

See "Rate Computation" sheet in this workbook for power/volume rate calculations

Rate 1004 KWH/Acre-Ft				
Meter Read	KWH	Acre-Ft		
Date	Usage	KWH Year	Year	Year
01/24/2000	8,400			
02/24/2000	7,056			
03/23/2000	6,720			
04/24/2000	12,288			
05/23/2000	17,520			
06/21/2000	19,008			
07/24/2000	25,056			
08/21/2000	22,440			
09/21/2000	20,088			
10/23/2000	15,936			
11/21/2000	8,832			
12/21/2000	7,992	171,336	170.7	2000
01/23/2001	7,392			
02/23/2001	6,552			
03/26/2001	6,408			
04/24/2001	6,216			
05/23/2001	19,128			
06/21/2001	20,064			
07/23/2001	23,664			
08/22/2001	22,872			
09/21/2001	19,704			
10/23/2001	16,488			
11/21/2001	8,688			
12/22/2001	6,264	163,440	162.8	2001
01/23/2002	5,976			
02/22/2002	6,888			
03/25/2002	9,960			
04/23/2002	12,768			
05/23/2002	14,568			
06/24/2002	21,264			
07/23/2002	22,344			
08/21/2002	22,080			
09/23/2002	23,688			
10/22/2002	9,600			
11/21/2002	16,608			
12/23/2002	9,048	174,792	174.1	2002
01/23/2003	7,352			
02/25/2003	8,064			
03/26/2003	8,160			
04/23/2003	9,144			
05/23/2003	12,936			

06/24/2003	20,712			
07/23/2003	22,848			
08/21/2003	19,008			
09/23/2003	22,872			
10/22/2003	17,328			
11/24/2003	6,480			
12/24/2003	12,504	167,408	166.7	2003
01/26/2004	7,608			
02/24/2004	7,240			
03/25/2004	9,672			
04/22/2004	13,152			
05/21/2004	15,192			
06/23/2004	18,984			
07/23/2004	20,808			
08/21/2004	23,856			
09/22/2004	22,200			
10/25/2004	16,680			
11/23/2004	7,944			
12/23/2004	6,888	170,224	169.5	2004
Sum	847,200	847,200	843.8	

May 14, 2010

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: WELL #3
Location: 1725 W AVE K-8 **HP:** 50
Cust #: 0-010-5594 **Serv. Acct. #:** 003-4911-65
Meter: 3412-13071 **Pump Ref. #:** 10511

In accordance with your request, an energy efficiency test was performed on your submersible well pump on May 13, 2010. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment

Pump:	N/A	No:	NO PLATE
Motor:	HITAC	No:	689192E

Results

Discharge Pressure, PSI	9.1
Standing Water Level, Feet	305.9
Drawdown, Feet	9.4
Discharge Head, Feet	21.0
Pumping Water Level, Feet	315.3
Total Head, Feet	336.3
Capacity, GPM	348
GPM per Foot Drawdown	37.0
Acre Feet Pumped in 24 Hours	1.538
kW Input to Motor	47.2
HP Input to Motor	63.3
Motor Load (%)	104.4
kWh per Acre Foot	737
Overall Plant Efficiency (%)	46.7

DAN L. JOHNSON
Manager
Hydraulic Services

May 14, 2010

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: WELL #4
Location: 1725 W AVE K-8 HP: 30
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 3412-13071 Pump Ref. #: 2760

In accordance with your request, an energy efficiency test was performed on your turbine well pump on May 13, 2010. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment		
Pump:	PEERL	No: NO PLATE
Motor:	GE	No: NKJ1217010

Results

Discharge Pressure, PSI	8.3
Standing Water Level, Feet	305.9
Drawdown, Feet	
Discharge Head, Feet	19.2
Pumping Water Level, Feet	
Total Head, Feet	
Capacity, GPM	291
GPM per Foot Drawdown	
Acre Feet Pumped in 24 Hours	1.286
kW Input to Motor	29.3
HP Input to Motor	39.3
Motor Load (%)	117.4
Measured Speed of Pump, RPM	1,775
kWh per Acre Foot	547
Overall Plant Efficiency (%)	

We were unable to measure the water levels with our sounder line and the air line is inoperative or missing. Therefore, we are unable to determine the total pumping head and overall plant efficiency. The standing level was measured down through the pump column.

DAN L. JOHNSON
Manager
Hydraulic Services

May 14, 2010

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

*used for all
water pumped*

HYDRAULIC TEST RESULTS, Plant: BOOSTER #2
Location: 1725 W AVE K-8 **HP:** 15
Cust #: 0-010-5594 **Serv. Acct. #:** 003-4911-65
Meter: 3412-13071 **Pump Ref. #:** 21487

In accordance with your request, an energy efficiency test was performed on your centrifugal booster pump on May 13, 2010. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment		
Pump:	N/A	No: NO PLATE
Motor:	BALDO	No: F0901144630

Results

Discharge Pressure, PSI	50.0
Discharge Head, Feet	115.5
Suction Head or Lift, Feet	14.6
Total Head, Feet	100.9
Capacity, GPM	174
Acre Feet Pumped in 24 Hours	.769
kW Input to Motor	11.6
HP Input to Motor	15.6
Motor Load (%)	88.7
Measured Speed of Pump, RPM	3,500
Customer Meter, GPM	179
kWh per Acre Foot	362
Overall Plant Efficiency (%)	28.5

The test was performed at the midpoint of the pump's operating pressure range.

DAN L. JOHNSON
Manager
Hydraulic Services

May 14, 2010

Emergency Use only

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: BOOSTER #1
Location: 1725 W AVE K-8 HP: 25
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 3412-13071 Pump Ref. #: 2762

In accordance with your request, an energy efficiency test was performed on your centrifugal booster pump on May 13, 2010. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment		
Pump:	N/A	No: NO PLATE
Motor:	BALDO	No: 890C

Results

Discharge Pressure, PSI	60.0
Discharge Head, Feet	138.6
Suction Head or Lift, Feet	17.6
Total Head, Feet	121.0
Capacity, GPM	493
Acre Feet Pumped in 24 Hours	2.179
kW Input to Motor	21.0
HP Input to Motor	28.2
Motor Load (%)	100.3
Measured Speed of Pump, RPM	3,516
kWh per Acre Foot	231
Overall Plant Efficiency (%)	53.5

The test was performed at the midpoint of the pump's operating pressure range.

DAN L. JOHNSON
Manager
Hydraulic Services

Antelope Park Mutual Water Company
Electrical Billing History Jan 2000 - Dec 2004

S/A #003-4911-65

Serv Acct Num	Current Rate	Meter Num	Street Addr	City Name	Zip	Billing Mo/Yr	Meter Read Date	Stmnt Rate	Bill Amt	KWH Usage
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	January, 2000	01/24/00	PA-2	\$964.20	8,400
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	February, 2000	02/24/00	PA-2	\$841.24	7,056
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	March, 2000	03/23/00	PA-2	\$705.87	6,720
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	April, 2000	04/24/00	PA-2	\$1,162.26	12,288
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	May, 2000	05/23/00	PA-2	\$1,342.96	17,520
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	June, 2000	06/21/00	PA-2	\$1,638.45	19,008
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	July, 2000	07/24/00	PA-2	\$2,113.42	25,056
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	August, 2000	08/21/00	PA-2	\$2,919.37	22,440
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	September, 2000	09/21/00	PA-2	\$2,785.72	20,088
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	October, 2000	10/23/00	PA-2	\$1,830.06	15,936
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	November, 2000	11/21/00	PA-2	\$880.13	8,832
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	December, 2000	12/21/00	PA-2	\$926.47	7,992
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	January, 2001	01/23/01	PA-2	\$922.42	7,392
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	February, 2001	02/23/01	PA-2	\$876.96	6,552
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	March, 2001	03/26/01	PA-2	\$800.80	6,408
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	April, 2001	04/24/01	PA-2	\$768.39	6,216
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	May, 2001	05/23/01	PA-2	\$1,968.42	19,128
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	June, 2001	06/21/01	PA-2	\$2,439.82	20,064
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	July, 2001	07/23/01	PA-2	\$3,004.78	23,664
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	August, 2001	08/22/01	PA-2	\$2,999.91	22,872
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	September, 2001	09/21/01	PA-2	\$2,710.23	19,704
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	October, 2001	10/23/01	PA-2	\$2,079.47	16,488
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	November, 2001	11/21/01	PA-2	\$1,029.53	8,688
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	December, 2001	12/22/01	PA-2	\$807.88	6,264
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	January, 2002	01/23/02	PA-2	\$781.55	5,976
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	February, 2002	02/22/02	PA-2	\$864.94	6,888
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	March, 2002	03/25/02	PA-2	\$1,103.09	9,960
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	April, 2002	04/23/02	PA-2	\$1,314.27	12,768
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	May, 2002	05/23/02	PA-2	\$1,567.19	14,568
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	June, 2002	06/24/02	PA-2	\$2,642.44	21,264
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	July, 2002	07/23/02	PA-2	\$2,951.64	22,344
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	August, 2002	08/21/02	PA-2	\$2,927.50	22,080
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	September, 2002	09/23/02	PA-2	\$2,998.74	23,688
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	October, 2002	10/22/02	PA-2	\$1,125.51	9,600
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	November, 2002	11/21/02	PA-2	\$1,822.47	16,608
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	December, 2002	12/23/02	PA-2	\$1,126.54	9,048
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	January, 2003	01/23/03	PA-2	\$924.78	7,392
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	February, 2003	02/25/03	PA-2	\$1,042.83	8,064
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	March, 2003	03/26/03	PA-2	\$940.21	8,160
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	April, 2003	04/23/03	PA-2	\$1,044.80	9,144
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	May, 2003	05/23/03	PA-2	\$1,414.44	12,936
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	June, 2003	06/24/03	PA-2	\$2,550.81	20,712
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	July, 2003	07/23/03	PA-2	\$2,695.62	22,848
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	August, 2003	08/21/03	PA-2	\$2,322.63	19,008
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	September, 2003	09/23/03	PA-2	\$1,432.12	22,872
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	October, 2003	10/22/03	PA-2	\$1,723.63	17,328
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	November, 2003	11/24/03	PA-2	\$708.16	6,480
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	December, 2003	12/24/03	PA-2	\$1,299.99	12,504
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	January, 2004	01/26/04	PA-2	\$916.64	7,608
3491165 PA-2		3412-013071	1725 W AVENUE K8	LANCASTER	93534	February, 2004	02/24/04	PA-2	\$882.32	7,200

Antelope Park Mutual Water Company
Electrical Billing History Jan 2000 - Dec 2004

S/A #003-4911-65

3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	March, 2004	03/25/04	PA-2	\$1,059.40	9,672
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	April, 2004	04/22/04	PA-2	\$1,311.30	13,152
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	May, 2004	05/21/04	PA-2	\$1,465.07	15,192
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	June, 2004	06/23/04	PA-2	\$1,999.79	18,984
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	July, 2004	07/23/04	PA-2	\$2,337.29	20,808
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	August, 2004	08/21/04	PA-2	\$2,646.67	23,856
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	September, 2004	09/22/04	PA-2	\$2,573.72	22,200
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	October, 2004	10/25/04	PA-2	\$1,810.03	16,680
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	November, 2004	11/23/04	PA-2	\$959.06	7,944
3491165 PA-2	3412-013071	1725 W AVENUE K8	LANCASTER	93534	December, 2004	12/23/04	PA-2	\$877.08	6,888

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: WELL #3
Location: 1725 W AVE K-8 HP: 50
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 10511

In accordance with your request, an energy efficiency test was performed on your submersible well pump on June 5, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment

Pump:	N/A	No:	NO PLATE
Motor:	FRANK	No:	2766186020

Results

Discharge Pressure, PSI	9.8
Standing Water Level, Feet	311.8
Drawdown, Feet	11.1
Discharge Head, Feet	22.6
Pumping Water Level, Feet	322.9
Total Head, Feet	345.5
Capacity, GPM	416
GPM per Foot Drawdown	37.5
Acre Feet Pumped in 24 Hours	1.839
kW Input to Motor	50.0
HP Input to Motor	67.1
Motor Load (%)	110.0
kWh per Acre Foot	653
Overall Plant Efficiency (%)	54.1

RUSS JOHNSON
Manager
Hydraulic Services

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: WELL #3
Location: 1725 W AVE K-8 HP: 50
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 10511

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on June 5, 2012, billing history for the past 12 months, and your current rate of TOU-PA-B.

Assuming that water requirements will be the same as for the past year, and all operating conditions (annual hours of operation, head above, and water pumping level) will remain the same as they were at the time of the pump test, it is estimated that:

1. Overall plant efficiency can be improved from 54.1% to 62.0%.
2. This can save you up to 12,528 kWh and \$1,262.97 annually.
3. These kWh savings translate to a 5.4-ton decrease in CO₂ emissions.

	Plant Efficiency		
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>
Total kWh	98,712	86,184	12,528
kW Input	50.0	43.7	6.3
kWh per Acre Foot	653	570	83
Acre Feet per Year	151.2		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$65.80	\$57.45	\$8.35
Overall Plant Efficiency (%)	54.1	62.0	
<hr/>			
Total Annual Cost	\$9,951.16	\$8,688.19	\$1,262.97

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)338-1398.

RUSS JOHNSON
Manager
Hydraulic Services

Save Energy, Save Money. . . Your test results show that you can!

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: WELL #3
Location: 1725 W AVE K-8 HP: 50
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 10511

Dear SCE Customer:

Helping California businesses save energy and money is a major goal at SCE. As you know, our Technical Specialist performed a free energy efficiency test on one or more pumps at your facility on June 5, 2012. We thank you for the opportunity to provide this service, and appreciate your interest in the performance of your pumps.

The results of the testing, shown in the table below, indicate that the pump listed above has the potential for improved Overall Plant Efficiency (OPE), lower energy costs, and a cash incentive.

	Projected Incentive, Energy, and Cost Savings			
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>	<u>Cash Incentive</u>
Total kWh	98,712	86,184	12,528	\$1,127.54
kW Input	50.0	43.7	6.3	
kW on-peak activity factor *			4.1	\$412.48
Acre Feet per Year	151.2			
kWh per Acre Foot	653	570	83	
Average Cost per Acre Foot	\$65.80	\$57.45	\$8.35	
Overall Plant Efficiency (%)	54.1	62.0		
Annual Total	\$9,951.16	\$8,688.19	\$1,262.97	\$1,540.02

(*The kW on-peak activity factor represents how the kW impacts the SCE system during on-peak periods as determined by SCE's agricultural and water pumping customers' average load profiles. By improving efficiency, your expected kW savings is 6.3 kW, and the savings used for incentive calculations is 65% of 6.3, or 4.1 kW.)

Case studies have shown that repairing, retrofitting, or replacing inefficient pumps can save energy and money, and may even help you avoid serious operational problems. For your business, this could mean the following:

- **Improved Plant Efficiency:** Your OPE can be improved from 54.1% to 62.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-B, we estimate that you may save up to 12,528 kWh annually (which translates to a 5.4-ton decrease in CO₂ emissions). This may result in energy cost savings of \$1,262.97.
- **Cash Incentive:** Through the retrofit and installation of more energy-efficient equipment, you have the potential to receive an incentive of \$0.09 per kWh and \$100 per on-peak activity factored kW reduced, courtesy of SCE's Customized Efficiency Program. Based on your estimated kWh and kW, you would be eligible for a Potential Cash Incentive of \$1,540.02, capped at 50% of your project cost. (See contract for details.)

If you are interested in an incentive for this pump, please contact CHRISTIAN TORRES at (626)633-9954 to complete a project application. All applicants must receive a **written approval authorization** before implementing any project; failure to comply will result in forfeiture of incentive funding.

We encourage you to review your results and take advantage of SCE's energy efficiency expertise and incentives. Visit www.sce.com/rebatesandsavings, or give us a call and let us know how we can be of further service to you.

Sincerely,

Southern California Edison

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: WELL #4
Location: 1725 W AVE K-8 HP: 30
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 2760

In accordance with your request, an energy efficiency test was performed on your turbine well pump on June 5, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment

Pump:	PEERL	No:	NO PLATE
Motor:	GE	No:	NKJ1217010

Results

Discharge Pressure, PSI	8.2
Standing Water Level, Feet	315.8
Drawdown, Feet	9.8
Discharge Head, Feet	18.9
Pumping Water Level, Feet	325.6
Total Head, Feet	344.5
Capacity, GPM	286
GPM per Foot Drawdown	29.2
Acre Feet Pumped in 24 Hours	1.264
kW Input to Motor	29.2
HP Input to Motor	39.2
Motor Load (%)	116.9
Measured Speed of Pump, RPM	1,775
kWh per Acre Foot	554
Overall Plant Efficiency (%)	63.5

RUSS JOHNSON
Manager
Hydraulic Services

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: WELL #4
Location: 1725 W AVE K-8 HP: 30
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 2760

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on June 5, 2012, billing history for the past 12 months, and your current rate of TOU-PA-B.

	<u>Existing</u>
Total kWh	77,088
kW Input	29.2
kWh per Acre Foot	554
Acre Feet per Year	139.0
Average Cost per kWh	\$0.10
Average Cost per Acre Foot	\$55.90
Overall Plant Efficiency (%)	63.5
<hr/>	
Total Annual Cost	\$7,771.24

The hydraulic test results indicate that this pump is operating in an efficient manner.

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)338-1398.

RUSS JOHNSON
Manager
Hydraulic Services

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: BOOSTER #1
Location: 1725 W AVE K-8 HP: 25
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 2762

In accordance with your request, an energy efficiency test was performed on your centrifugal booster pump on June 5, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment		
Pump:	GOULD	No: 2071556
Motor:	BALDO	No: 890C

Results	
Discharge Pressure, PSI	59.0
Discharge Head, Feet	136.3
Suction Head or Lift, Feet	17.1
Total Head, Feet	119.2
Capacity, GPM	490
Acre Feet Pumped in 24 Hours	2.166
kW Input to Motor	21.2
HP Input to Motor	28.4
Motor Load (%)	101.2
Measured Speed of Pump, RPM	3,523
kWh per Acre Foot	235
Overall Plant Efficiency (%)	51.9

The shut off head was measured at 175.1 feet. The test was performed at the midpoint of the pump's operating pressure range.

RUSS JOHNSON
Manager
Hydraulic Services

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: BOOSTER #1
Location: 1725 W AVE K-8 HP: 25
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 2762

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on June 5, 2012, billing history for the past 12 months, and your current rate of TOU-PA-B.

Assuming that water requirements will be the same as for the past year, and all operating conditions (annual hours of operation, head above, and water pumping level) will remain the same as they were at the time of the pump test, it is estimated that:

1. Overall plant efficiency can be improved from 51.9% to 61.0%.
2. This can save you up to 5,310 kWh and \$535.27 annually.
3. These kWh savings translate to a 2.3-ton decrease in CO₂ emissions.

	Plant Efficiency		
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>
Total kWh	35,520	30,210	5,310
kW Input	21.2	18.0	3.2
kWh per Acre Foot	235	200	35
Acre Feet per Year	151.2		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$23.69	\$20.15	\$3.54
Overall Plant Efficiency (%)	51.9	61.0	
<hr/>			
Total Annual Cost	\$3,580.77	\$3,045.50	\$535.27

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)338-1398.

RUSS JOHNSON
Manager
Hydraulic Services

**Save Energy,
Save Money. . .
Your test results show that you can!**

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: BOOSTER #1
Location: 1725 W AVE K-8 HP: 25
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref.#: 2762

Dear SCE Customer:

Helping California businesses save energy and money is a major goal at SCE. As you know, our Technical Specialist performed a free energy efficiency test on one or more pumps at your facility on June 5, 2012. We thank you for the opportunity to provide this service, and appreciate your interest in the performance of your pumps.

The results of the testing, shown in the table below, indicate that the pump listed above has the potential for improved Overall Plant Efficiency (OPE), lower energy costs, and a cash incentive.

	Projected Incentive, Energy, and Cost Savings			
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>	<u>Cash Incentive</u>
Total kWh	35,520	30,210	5,310	\$477.87
kW Input	21.2	18.0	3.2	
kW on-peak activity factor *			2.1	\$205.99
Acre Feet per Year	151.2			
kWh per Acre Foot	235	200	35	
Average Cost per Acre Foot	\$23.69	\$20.15	\$3.54	
Overall Plant Efficiency (%)	51.9	61.0		
Annual Total	\$3,580.77	\$3,045.50	\$535.27	\$683.86

(*The kW on-peak activity factor represents how the kW impacts the SCE system during on-peak periods as determined by SCE's agricultural and water pumping customers' average load profiles. By improving efficiency, your expected kW savings is 3.2 kW, and the savings used for incentive calculations is 65% of 3.2, or 2.1 kW.)

Case studies have shown that repairing, retrofitting, or replacing inefficient pumps can save energy and money, and may even help you avoid serious operational problems. For your business, this could mean the following:

- **Improved Plant Efficiency:** Your OPE can be improved from 51.9% to 61.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-B, we estimate that you may save up to 5,310 kWh annually (which translates to a 2.3-ton decrease in CO₂ emissions). This may result in energy cost savings of \$535.27.
- **Cash Incentive:** Through the retrofit and installation of more energy-efficient equipment, you have the potential to receive an incentive of \$0.09 per kWh and \$100 per on-peak activity factored kW reduced, courtesy of SCE's Customized Efficiency Program. Based on your estimated kWh and kW, you would be eligible for a Potential Cash Incentive of \$683.86, capped at 50% of your project cost. (See contract for details.)

If you are interested in an incentive for this pump, please contact **CHRISTIAN TORRES** at (626)633-9954 to complete a project application. All applicants must receive a **written approval authorization before** implementing any project; failure to comply will result in forfeiture of incentive funding.

We encourage you to review your results and take advantage of SCE's energy efficiency expertise and incentives. Visit www.sce.com/rebatesandsavings, or give us a call and let us know how we can be of further service to you.

Sincerely,

Southern California Edison

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

HYDRAULIC TEST RESULTS, Plant: BOOSTER #2
Location: 1725 W AVE K-8 HP: 15
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 21487

In accordance with your request, an energy efficiency test was performed on your centrifugal booster pump on June 5, 2012. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)338-1398.

Equipment		
Pump:	AUROR	No: 01-354027
Motor:	BALDO	No: F0901144630

Results

Discharge Pressure, PSI	48.0
Discharge Head, Feet	110.9
Suction Head or Lift, Feet	15.0
Total Head, Feet	95.9
Capacity, GPM	181
Acre Feet Pumped in 24 Hours	.800
kW Input to Motor	12.1
HP Input to Motor	16.2
Motor Load (%)	92.5
Measured Speed of Pump, RPM	3,484
Customer Meter, GPM	182
kWh per Acre Foot	363
Overall Plant Efficiency (%)	27.0

The shut off head was measured at 204.0 feet. The test was performed at the midpoint of the pump's operating pressure range.

RUSS JOHNSON
Manager
Hydraulic Services

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: BOOSTER #2
Location: 1725 W AVE K-8 HP: 15
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref. #: 21487

The following energy efficiency analysis is presented as an aid to your cost accounting. This is an estimate based on the conditions present during the Edison pump test performed on June 5, 2012, billing history for the past 12 months, and your current rate of TOU-PA-B.

Assuming that water requirements will be the same as for the past year, and all operating conditions (annual hours of operation, head above, and water pumping level) will remain the same as they were at the time of the pump test, it is estimated that:

1. Overall plant efficiency can be improved from 27.0% to 61.0%.
2. This can save you up to 28,187 kWh and \$2,841.56 annually.
3. These kWh savings translate to a 12-ton decrease in CO₂ emissions.

	Plant Efficiency		
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>
Total kWh	50,592	22,405	28,187
kW Input	12.1	5.4	6.7
kWh per Acre Foot	363	161	202
Acre Feet per Year	139.4		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$36.60	\$16.21	\$20.39
Overall Plant Efficiency (%)	27.0	61.0	
<hr/>			
Total Annual Cost	\$5,100.18	\$2,258.62	\$2,841.56

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum pumping efficiency will be continued. If you have any questions regarding this report, please contact RICK KOCH at (805)338-1398.

RUSS JOHNSON
Manager
Hydraulic Services

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Your test results show that you can!**

June 8, 2012

ATTN: DON HAMILTON
ANTELOPE PARK MUTUAL WATER COMPANY
P.O. BOX 1712
LANCASTER, CA 93539

PUMPING COST ANALYSIS, Plant: BOOSTER #2
Location: 1725 W AVE K-8 HP: 15
Cust #: 0-010-5594 Serv. Acct. #: 003-4911-65
Meter: 254000-002117 Pump Ref.#: 21487

Dear SCE Customer:

Helping California businesses save energy and money is a major goal at SCE. As you know, our Technical Specialist performed a free energy efficiency test on one or more pumps at your facility on June 5, 2012. We thank you for the opportunity to provide this service, and appreciate your interest in the performance of your pumps.

The results of the testing, shown in the table below, indicate that the pump listed above has the potential for improved Overall Plant Efficiency (OPE), lower energy costs, and a cash incentive.

	Projected Incentive, Energy, and Cost Savings			
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>	<u>Cash Incentive</u>
Total kWh	50,592	22,405	28,187	\$2,536.85
kW Input	12.1	5.4	6.7	
kW on-peak activity factor *			4.4	\$438.20
Acre Feet per Year	139.4			
kWh per Acre Foot	363	161	202	
Average Cost per Acre Foot	\$36.60	\$16.21	\$20.39	
Overall Plant Efficiency (%)	27.0	61.0		
Annual Total	\$5,100.18	\$2,258.62	\$2,841.56	\$2,975.05

(*The kW on-peak activity factor represents how the kW impacts the SCE system during on-peak periods as determined by SCE's agricultural and water pumping customers' average load profiles. By improving efficiency, your expected kW savings is 6.7 kW, and the savings used for incentive calculations is 65% of 6.7, or 4.4 kW.)

Case studies have shown that repairing, retrofitting, or replacing inefficient pumps can save energy and money, and may even help you avoid serious operational problems. For your business, this could mean the following:

- **Improved Plant Efficiency:** Your OPE can be improved from 27.0% to 61.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-B, we estimate that you may save up to 28,187 kWh annually (which translates to a 12-ton decrease in CO₂ emissions). This may result in energy cost savings of \$2,841.56.
- **Cash Incentive:** Through the retrofit and installation of more energy-efficient equipment, you have the potential to receive an incentive of \$0.09 per kWh and \$100 per on-peak activity factored kW reduced, courtesy of SCE's Customized Efficiency Program. Based on your estimated kWh and kW, you would be eligible for a Potential Cash Incentive of \$2,975.05, capped at 50% of your project cost. (See contract for details.)

If you are interested in an incentive for this pump, please contact CHRISTIAN TORRES at (626)633-9954 to complete a project application. All applicants must receive a written approval authorization before implementing any project; failure to comply will result in forfeiture of incentive funding.

We encourage you to review your results and take advantage of SCE's energy efficiency expertise and incentives. Visit www.sce.com/rebatesandsavings, or give us a call and let us know how we can be of further service to you.

Sincerely,

Southern California Edison

Customer: ANTELOPE PARK MUTUAL WA**Multiple Point Test Summary**

Pumping Plant Name	WELL #4	BOOSTER #1	WELL #3	BOOSTER #2
Test Date	6/5/2012	6/5/2012	6/5/2012	6/5/2012
Pump Tester Name	RICK KOCH	RICK KOCH	RICK KOCH	RICK KOCH
CSS Service Account	003-49111-65	003-49111-65	003-49111-65	003-49111-65
Meter Number	254000-002117	254000-002117	254000-002117	254000-002117
Reference Number	2760	2762	10511	21487
Rate	TOU-PA-B	TOU-PA-B	TOU-PA-B	TOU-PA-B
Average \$ Cost/kWh	0.10081	0.10081	0.10081	0.10081
Type	TW	CB	SW	CB
Motor HP	30	25	50	15
Motor Mfg.	GE	BALD	FRAN	BALD
Pump Mfg.	PEERL	GOULD		AUROR

Test Points	T-1	T-2	T-3	T-1	T-2	T-3	T-1	T-2	T-3	T-1	T-2	T-3	T-1	T-2	T-3
Discharge Pressure, PSI	8.2			59			9.8			48					
Suction Pressure, PSI				7.4						6.5					
Drawdown, Ft.	9.8						11.1								
Pumping Level, Ft.	325.6						322.9								
Standing Level, Ft.	315.8						311.8								
Discharge Head Ft.	18.9			136.3			22.6			110.9					
Suction Head Ft.				17.1						15					
Total Head Ft.	344.5			119.2			345.5			95.9					
Customer GPM										182					
Capacity GPM	286			490			416			181					
GPM/Ft. Drawdown, Ft.	29.2						37.5								
Acre Ft./24 Hour	1.264			2.166			1.839			0.8					
kW Input	29.2			21.2			50			12.1					
HP Input	39.2			28.4			67.1			16.2					
Pump Speed, RPM	1775			3523						3484					
Motor Load %	116.9			101.2			110			92.5					
kWh/Acre Ft.	554			235			653			363					
Overall Plant Eff., %	63.5			51.9			54.1			27					

Improved Plant Eff., %		61%	62%	61%
Improved kWh/Acre Ft.		200.0	570.0	161.0
Potential Savings, \$		\$535	\$1,263	\$2,842

Note: For more detailed information pertaining to pump test results, please refer to Pump Test Results and Cost Analysis Letters

[illegible]

*The kW on-peak activity factor represents how the kW impacts the SCE system during on-peak periods as determined by SCE's agricultural and water pumping customers' average load profiles.

The savings used for incentive calculations is 65% of on-peak kW



BOOSTER #1 North (Main) Under
#10000 #2 South



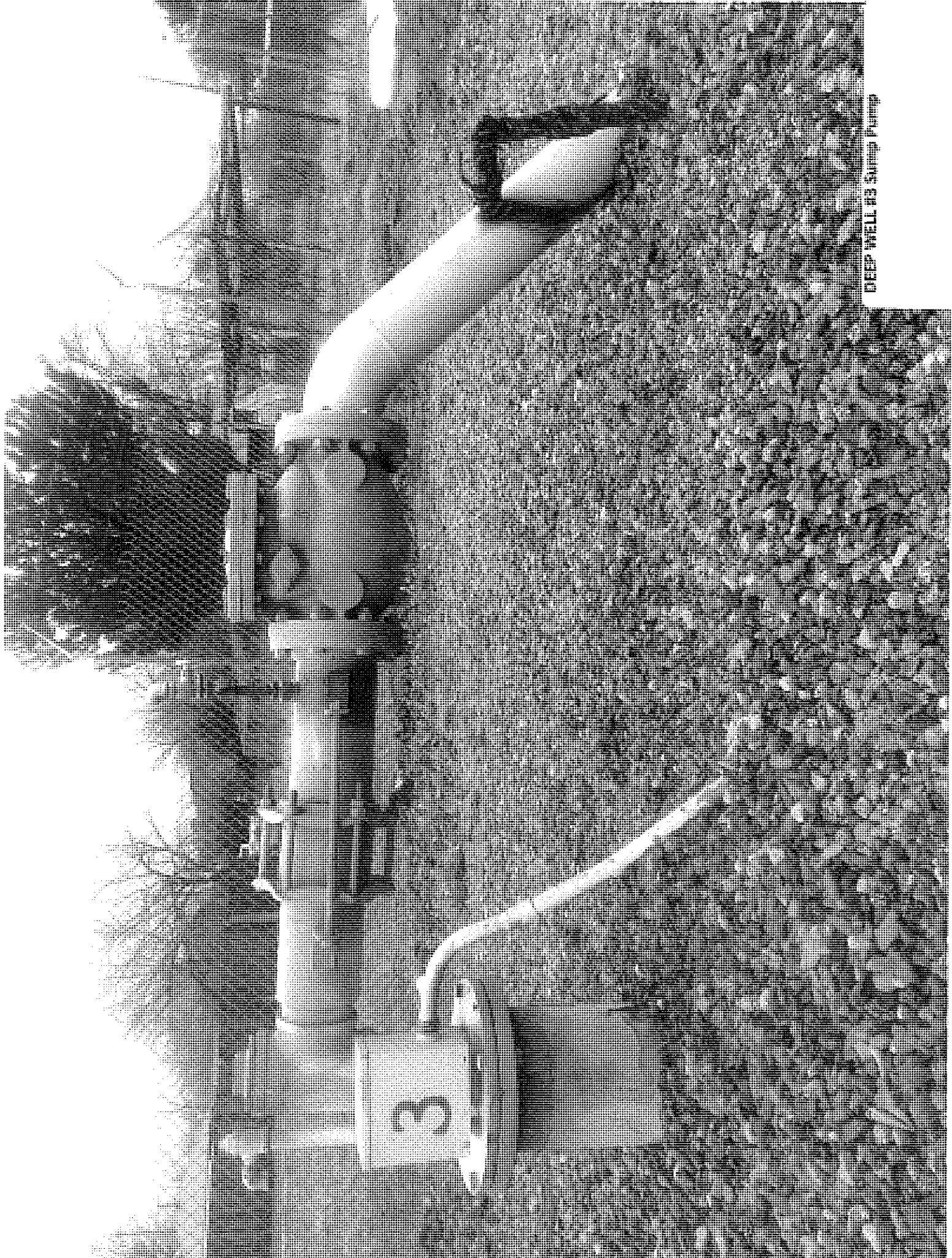
BOOSTER, PIPING, & VALVES

CHLORINATOR ROOM





DEEP WELL #2 Sump Pump (back up
use only)



DEEP WELL #3 Sump Pump





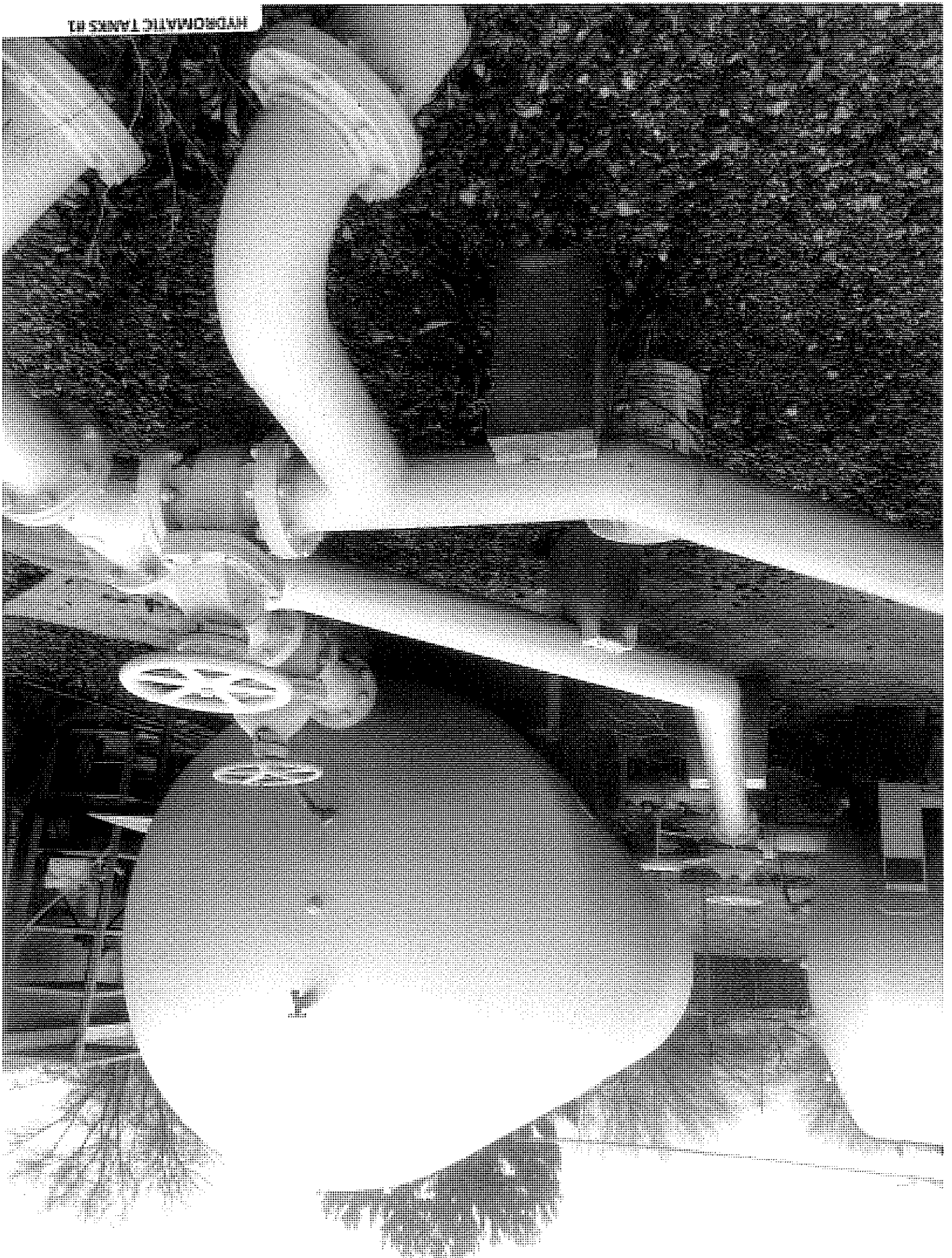
ELECTRICAL PANELS



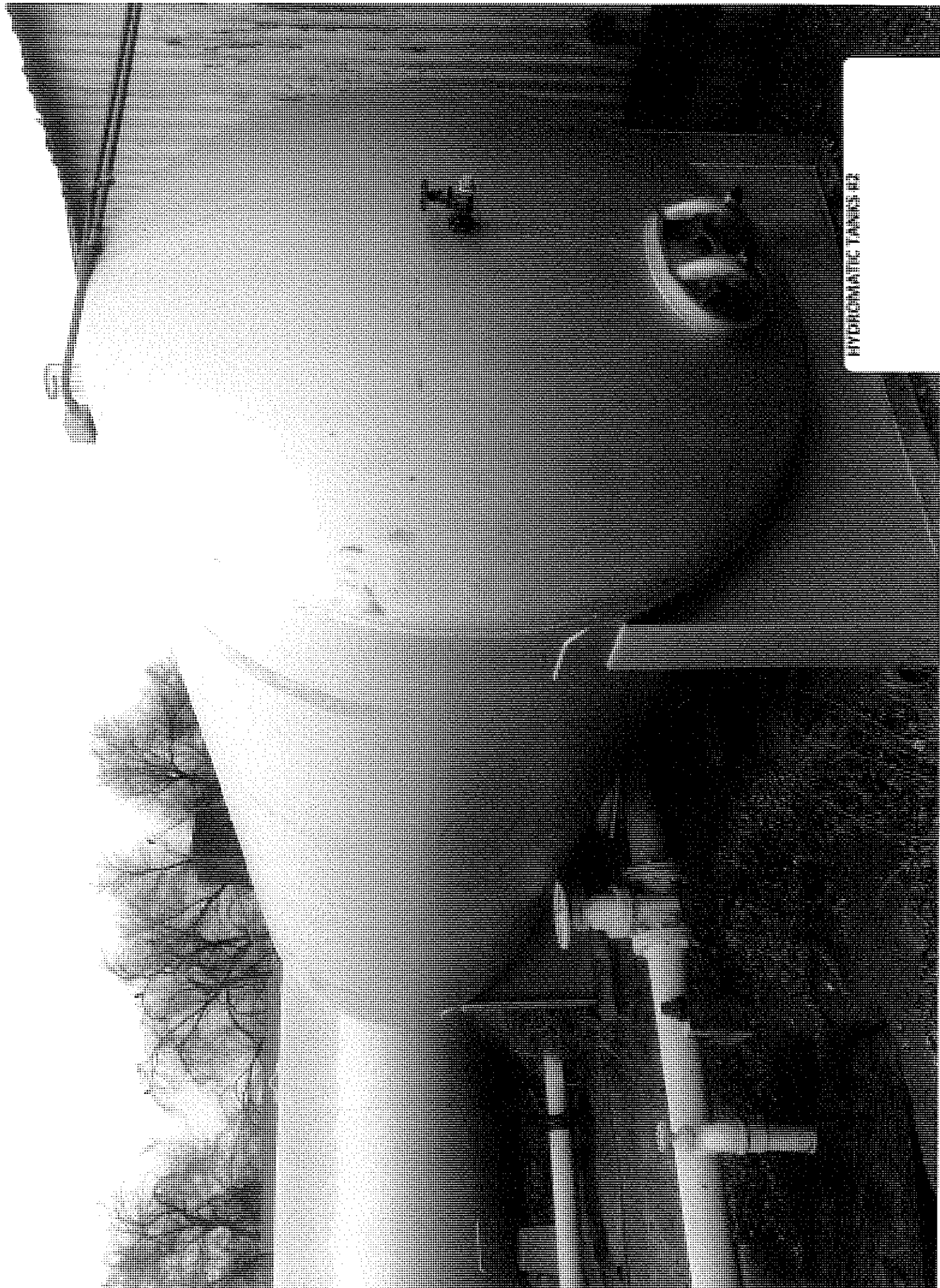
**Antelope Park
Mutual Water**

1725 W. Ave K-8
Phone . 945-2238

FRONT



HYDROMATIC TANKS 42





NORTH WATER TANK



SOUTH WATER TANK