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2 **EDWARD S. RENWICK** (State Bar No. 29325)
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8 Attorneys for Cross-Defendant
9 WAGAS LAND COMPANY LLC

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SUPERIOR COURT OF THE STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

ANTELOPE VALLEY
GROUNDWATER CASES

Included Consolidated Actions:

Los Angeles County Waterworks District
No. 40 v. Diamond Farming Co., Superior
Court of California, County of Los Angeles
Case No. BC325201

Los Angeles County Waterworks District
No. 40 v. Diamond Farming Co., Superior
Court of California, County of Kern Case
No. S-1500-CV254348

Wm. Bolthouse Farms, Inc. v. City of
Lancaster; Diamond Farming Co. v. City of
Lancaster; Diamond Farming Co. v.
Palmdale Water Dist., Superior Court of
California, County of Riverside,
Consolidated Actions, Case Nos.
RIC353840, RIC344436, RIC344668.

Rebecca Lee Willis v. Los Angeles County
Waterworks District No. 40, Superior
Court of California, County of Los Angeles
Case No. BC364553

Richard A. Wood v. Los Angeles County
Waterworks, District No. 40, Superior
Court of California, County of Los
Angeles, Case No. BC391869

Judicial Council Coordination Proceeding
No. 4408

Santa Clara Case No. 1-05-CV-049053
Assigned to the Hon. Jack Komar

WAGAS LAND COMPANY LLC'S
RESPONSE TO DISCOVERY ORDER
FOR PHASE 4 TRIAL

Trial Date: February 11, 2013
Time: 9:00 a.m.
Dept: LASC, Dept. 1

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

2 WAGAS LAND COMPANY LLC. Hereby responds to the Court's Discovery Order for
3 Phase 4 Trial as follows:

4 **I. FOR ALL PARTIES CLAIMING AN OVERLYING GROUNDWATER RIGHT,**
5 **INCLUDING PUBLIC WATER AND OTHER PRODUCERS WHO ALSO CLAIM A**
6 **PRESCRIPTIVE RIGHT UNDER CATEGORY II BELOW.**

7 1. For each parcel of real property the responding party owns or occupies or otherwise
8 controls in the Antelope Valley Adjudication Area, please state with particularity the following
9 information:

10 (A) The Kern County Treasurer Tax Collector's "Assessor Tax Number: or the Los
11 Angeles county Office of the Assessor "Assessor's Identification Number" of the parcel. If the
12 identifying parcel number has changed since 1999, please state both the current and previous
13 number and the date the new identifying parcel number was assigned.

14
15 Response: The parcels consist of approximately 630 acres of contiguous land fronting on
16 Avenue A near 30th Street West. Approximately 1/2 the land is located in Kern County and 1/2 is
17 located in Los Angeles County. The Assessors' parcel numbers are:

18 Los Angeles County 3115-1-17.

19 Los Angeles County 3115-1-18.

20 Los Angeles County 3115-03-1.

21 Los Angeles County 3115-03-2.

22 Kern County 473-021-04.

23 (B) All record title owners of the parcel from 2000 to the present.

24
25 Response: Wagas Land Company LLC took title in September 2005. Prior thereto title
26 was held by Wagas Land Company, a partnership aka Wagas Ranch aka Wagas Gun Club.

27 (C) Whether a groundwater well existed on the parcel in any or all of calendar years
28 2000, 2001, 2002, 2003, 2004, 2011 or 2012.

1 Response: yes there are three groundwater wells. The Assessors' Parcel numbers for the
2 parcel on which the wells were located are as follows:

3 Los Angeles County 3115-1-17—one well which we refer to as the "South Well."

4 Los Angeles County 3115-03-1—one well which we refer to as the "East Well."

5 Kern County 473-021-04—one well which we refer to as the "North Well."

6 (D) Whether a groundwater well was operated on the parcel in any or all of calendar
7 years 2000, 2001, 2002, 2003, 2004, 2011 or 2012.

8 Response: Yes.

9 (E) The amount of groundwater produced from the parcel for calendar years 2000,
10 2001, 2002, 2003, 2004, 2011, and/or 2012.

11 Response: See Exhibit "A" attached hereto which is a schedule showing the amount of
12 groundwater produced from each of the wells for each of the years in question.

13 (F) The use(s) to which the groundwater produced from the parcel was put on said
14 parcel in any or all of calendar years 2000, 2001, 2003, 2004, 2011, or 2012.

15 Response: Wildlife habitat.

16 (G) If groundwater produced from another parcel was used on the parcel during any or
17 all calendar years 2000, 2001, 2002, 2003, 2004, 2011, or 2012, please state the Kern County
18 Treasurer Tax Collector's "Assessor Tax Number" or the Los Angeles County Office of the
19 Assessor "Assessor's Identification Number" of the parcel(s) from which the subject groundwater
20 was produced and identify the owner thereof.

21 Response: Not Applicable.

22 (H) The use(s) to which the parcel was put during each of calendar years 2011, and
23 2012.

24 Response: Wildlife habitat.

1 (I) The crop type, if any, grown on the parcel during each of the calendar years 2000,
2 2001, 2002, 2003, 2004, 2011, and 2012.

3 Response: Wild life habitat which included pond weed, sunflowers, wild grasses, wild
4 shrubs, Japanese Millet, natural cover and natural feed of all types.

5
6 (J) If the responding party contends the parcel has groundwater rights based upon
7 something other than groundwater production or use, please state the amount of that claim for
8 each of the calendar years 2000, 2001, 2002, 2003, 2004, 2011, and 2012, and its legal and
9 factual basis therefor.

10 Response: Not applicable.

11
12 (K) State the amount of water rights claimed as the reasonable and beneficial use for
13 each such parcel.

14 Response: 1106 Acre Feet which is the average annual production of water pumped from
15 the three wells in the years 2000 through 2004.

16
17 (K)[sic] At the responding party's election any other facts that the responding party
18 contends will assist the Court in determining the amount of groundwater produced from each
19 parcel of land owned or controlled by the responding party in any or all calendar years 2000,
20 2001, 2002, 2003, 2004, 2011 and 2012.

21 Response: The Wagas Land Company, aka Wagas Ranch, aka Wagas Gun Club was
22 incorporated as a California corporation and acquired the above described land in 1925.
23 Thereafter the corporation was dissolved and the property was owned and operated by a
24 partnership in which Albert B. McKee Jr. was a partner. The partnership continued to operate the
25 property as a hunting club known as Wagas Ranch aka Wagas Gun Club. Thereafter the property
26 was owned by Albert B. McKee Jr. who continued to operate the property as a hunting club
27 known as Wagas Ranch aka Wagas Gun Club. Thereafter Mr. McKee took in a group of partners
28 and the property was operated as a partnership for a number of years until the partnership was

1 converted to a California LLC. During that entire period the property has been devoted to
2 wildlife habitat and used as a hunting club. We have Edison Company pump test records back to
3 and including 1985. Edison Company computerized its pump test records commencing with the
4 year 1985. Earlier paper records were disposed of. However we have a map showing the layout
5 of our ponds circa 1970 and we have earlier pictures and minutes of meetings showing that the
6 property has been used for wildlife habitat and a gun club since 1925. Also an inspection of the
7 property shows that in addition to the ponds currently in used there are the remnants of many
8 previously used ponds.

9 2. For each parcel of real property the responding party owned in the Antelope
10 Valley Adjudication Area during calendar years 2000, 2001, 2002, 2003, 2004, 2011 and 2012,
11 please state with particularity the following information:

12 (A) Whether the responding party leased any or all of the parcel.

13 Response: No.

14 (B) The name of the lessee.

15 Response: Not applicable

16 (C) If the parcel was leased, the Kern County Treasurer Tax Collector's "Assessor Tax
17 Number" or the Los Angeles County Office of the Assessor "Assessor's Identification Number"
18 of the parcel. If the identifying parcel number has changed since 1999, please state both the
19 current and previous number and the date the new identifying parcel number was assigned.
20
21

22 Response: Not applicable.

23 (D) How, if at all, the lease or other written agreement allocated credits for the
24 groundwater produced by the lessee.
25

26 Response: Not applicable.
27
28

1 (E) How much, if any, groundwater was produced by the lessee and delivered to
2 another parcel. If so, the Kern County Treasurer Tax Collector's "Assessor Tax Number" or the
3 Los Angeles County Office of the Assessor "Assessor's Identification Number" of the parcel for
4 the year(s) in which such groundwater was produced and delivered.

5 Response: Not applicable.

6
7 (F) If known, the use(s) to which groundwater was put on the leased parcel for
8 calendar years 2011 and 2012.

9 Response: Not applicable.

10
11 3. For all parcels of land identified in response to Request No. 1 above, please state
12 with particularity the following information:

13 (A) All materials constituting the responding party's *prima facie* showing of the
14 amount of groundwater produced from each parcel of land owned or controlled by the responding
15 party in calendar years 2000, 2001, 2002, 2003, 2004, 2011 and 2012.

16 Response: See Exhibit "A" attached hereto.

17
18 (B) All materials constituting the responding party's *prima facie* showing of the use(s)
19 to which the responding party put each parcel of land controlled by the responding party in
20 calendar years 2011 and 2012.

21 Response: Assorted photographs and testimony of club members showing that the entire
22 property was devoted to wildlife habitat and hunting during those years.

23
24 (C) At the responding party's election, any additional materials that will assist the
25 Court in determining the amount of groundwater produced from each parcel of land by the
26 responding party in any or all calendar years 2000, 2001, 2002, 2003, 2004, 2011 and 2012.

27 Response: Nothing in addition to Exhibit "A" attached hereto.

28

1 **II. FOR ALL PARTIES CLAIMING A NON-OVERLYING RIGHT, INCLUDING**
2 **APPROPRIATIVE, PRESCRIPTIVE OR OTHERWISE.**

3 1. Not applicable.

4 **III. FOR ALL PARTIES CLAIMING RETURN FLOW CREDITS**

5 1. Not applicable.

6
7 **V. FOR ALL RESPONDING PARTIES**

8 1. For each of the items above, please identify the person(s) most qualified to testify
9 on its behalf to the facts alleged and materials produced.

10 Response: Edward Wopschall who has acted as the managing member since
11 approximately 2000.

12
13 2. The responding party's responses must be accompanied by an executed
14 verification by an individual authorized to do so.

15 Response: Mr. Wopschall is authorized to verify this response and has done so.

16
17 Dated: December 21, 2012

HANNA AND MORTON LLP
EDWARD S. RENWICK

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20 By: 
21 Edward S. Renwick

22 Attorneys for Cross-Defendant
23 WAGAS Land Company LLC
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VERIFICATION

I am a managing member of WAGAS LAND COMPANY LLC, a California limited liability company, and am authorized to make this verification on its behalf. I have read the foregoing WAGAS LAND COMPANY LLC'S RESPONSE TO DISCOVERY ORDER FOR PHASE 4 54IQL. I am informed and believe that the matters stated therein are true and correct, and on that ground certify or declare under penalty of perjury under the laws of the State of California that the same are true and correct.

Executed this 20th day of December, 2012, at IRVINDALE, CA.


Edward A. Wopschall

EXHIBIT “A”

**WAGAS LAND COMPANY LLC WATER USAGE: 2000-2004
AND 2011-2012 (Revised 12-19-12)**

(AS DETERMINED BY EDISON COMPANY PUMP TESTS)

Year	North Well (30 HP) AFY	East Well (50 HP) AFY	South Well (60 HP) Referred to by Edison as	Total AFY
			"West Well" AFY	
2000	220.3	556.7	605.9	1382.9
2001	88.3	426.7	521.7	1036.7
2002	44.5	433.6	575.8	1053.9
2003	34.6	455.7	548.6	1038.9
2004	32.8	466	518.6	1017.4
Average				1106.0
Median				1038.9
Highest				1382.9
2011	11.5	472.1	467.9	951.5
2012	10.3	469.8	536.7	1016.8



Confidential/Proprietary Information

December 23, 2011

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: NORTH WELL #1
 Location: 35TH ST W N/S AVE A HP: 30
 Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
 Meter: 3412M-7140 Pump Ref.#: 2580

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 December 22, 2011, billing history for the past 12 months, and your current rate of TOU-PA-A.

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 36.1% to 61.0%.
2. This can save you up to 2,350 kWh and \$1,667.34 annually.
3. These kWh savings translate to a 1.0-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	5,760	3,410	2,350
kW Input	26.0	15.4	10.6
kWh per Acre Foot	501	296	204
Acre Feet per Year	11.5		
Average Cost per kWh	\$0.71		
Average Cost per Acre Foot	\$355.23	\$210.29	\$144.94
Overall Plant Efficiency (%)	36.1	61.0	
Total Annual Cost	\$4,086.37	\$2,419.04	\$1,667.34

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)654-7312.

RUSS JOHNSON
 Manager
 Hydraulic Services



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

December 23, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
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Location: 35TH ST W N/S AVE A HP: 30
Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
Meter: 3412M-7140 Pump Ref.#: 2580

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 December 22, 2011. 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	5,760	3,410	2,350	\$211.52
kW Input	26.0	15.4	10.6	
kW on-peak activity factor *			6.9	\$689.56
Acre Feet per Year	11.5			
kWh per Acre Foot	501	296	204	
Average Cost per Acre Foot	\$355.23	\$210.29	\$144.94	
Overall Plant Efficiency (%)	36.1	61.0		
Annual Total	\$4,086.37	\$2,419.04	\$1,667.34	\$901.08

(*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 10.6 kW, and the savings used for incentive calculations is 65% of 10.6, or 6.9 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 36.1% to 61.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-A, we estimate that you may save up to 2,350 kWh annually (which translates to a 1.0-ton decrease in CO₂ emissions). This may result in energy cost savings of \$1,667.34.
- **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 \$901.08, 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



Confidential/Proprietary Information

December 23, 2011

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: EAST WELL #2
 Location: E/S 30TH W S/O AVE A HP: 50
 Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
 Meter: 3412M-6681 Pump Ref. #: 2578

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 December 22, 2011, billing history for the past 12 months, and your current rate of TOU-PA-SOP-1.

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 55.0% to 65.0%.
2. This can save you up to 24,753 kWh and \$2,419.63 annually.
3. These kWh savings translate to a 11-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	160,392	135,639	24,753
kW Input	42.6	36.0	6.6
kWh per Acre Foot	340	287	52
Acre Feet per Year	472.1		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$33.21	\$28.08	\$5.13
Overall Plant Efficiency (%)	55.0	65.0	
Total Annual Cost	\$15,678.32	\$13,258.68	\$2,419.63

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)654-7312.

RUSS JOHNSON
 Manager
 Hydraulic Services



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

December 23, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: EAST WELL #2
Location: E/S 30TH W S/O AVE A HP: 50
Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
Meter: 3412M-6681 Pump Ref. #: 2578

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 December 22, 2011. 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	160,392	135,639	24,753	\$2,227.80
kW Input	42.6	36.0	6.6	
kW on-peak activity factor *			4.3	\$427.34
Acre Feet per Year	472.1			
kWh per Acre Foot	340	287	52	
Average Cost per Acre Foot	\$33.21	\$28.08	\$5.13	
Overall Plant Efficiency (%)	55.0	65.0		
Annual Total	\$15,678.32	\$13,258.68	\$2,419.63	\$2,655.14

(*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 6.6 kW, and the savings used for incentive calculations is 65% of 6.6, or 4.3 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 55.0% to 65.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-SOP-1, we estimate that you may save up to 24,753 kWh annually (which translates to a 11-ton decrease in CO₂ emissions). This may result in energy cost savings of \$2,419.63.
- **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 \$2,655.14, capped at 50% of your project cost. (See contract for details.)

If you are interested in an incentive for this pump, please contact **KRISTINA L LUNA** at (909)873-7964 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



Confidential/Proprietary Information

December 23, 2011

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: WEST WELL #3
 Location: 3310 W AVENUE A HP: 60
 Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
 Meter: 3416M-7011 Pump Ref. #: 2579

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 December 22, 2011, billing history for the past 12 months, and your current rate of TOU-P-S-1-AP.

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 53.8% to 65.0%.
2. This can save you up to 28,826 kWh and \$3,035.39 annually.
3. These kWh savings translate to a 13-ton decrease in CO₂ emissions.

	Plant Efficiency		
	<u>Existing</u>	<u>Improved</u>	<u>Savings</u>
Total kWh	166,788	137,962	28,826
kW Input	59.4	49.1	10.3
kWh per Acre Foot	356	295	62
Acre Feet per Year	467.9		
Average Cost per kWh	\$0.11		
Average Cost per Acre Foot	\$37.53	\$31.05	\$6.49
Overall Plant Efficiency (%)	53.8	65.0	
Total Annual Cost	\$17,562.78	\$14,527.39	\$3,035.39

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)654-7312.

RUSS JOHNSON
 Manager
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Your test results show that you can!**

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Meter: 3416M-7011 Pump Ref #: 2579

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 December 22, 2011. 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	166,788	137,962	28,826	\$2,594.35
kW Input	59.4	49.1	10.3	
kW on-peak activity factor *			6.7	\$667.30
Acre Feet per Year	467.9			
kWh per Acre Foot	356	295	62	
Average Cost per Acre Foot	\$37.53	\$31.05	\$6.49	
Overall Plant Efficiency (%)	53.8	65.0		
Annual Total	\$17,562.78	\$14,527.39	\$3,035.39	\$3,261.65

(*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 10.3 kW, and the savings used for incentive calculations is 65% of 10.3, or 6.7 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 53.8% to 65.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-P-S-1-AP, we estimate that you may save up to 28,826 kWh annually (which translates to a 13-ton decrease in CO₂ emissions). This may result in energy cost savings of \$3,035.39.
- **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 \$3,261.65, 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



SOUTHERN CALIFORNIA
EDISON[®]

An EDISON INTERNATIONAL[®] Company

Confidential/Proprietary Information

October 26, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: NORTH WELL #1
Location: 35TH ST W N/S AVE A HP: 30
Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
Meter: 254000-016403 Pump Ref. #: 2580

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 October 22, 2012, billing history for the past 12 months, and your current rate of PA-1.

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 37.3% to 61.0%.
2. This can save you up to 2,041 kWh and \$969.98 annually.
3. These kWh savings translate to a 0.9-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	5,256	3,215	2,041
kW Input	24.7	15.1	9.6
kWh per Acre Foot	508	311	197
Acre Feet per Year	10.3		
Average Cost per kWh	\$0.48		
Average Cost per Acre Foot	\$241.51	\$147.74	\$93.77
Overall Plant Efficiency (%)	37.3	61.0	
Total Annual Cost	\$2,498.23	\$1,528.25	\$969.98

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)654-7312.

RUSS JOHNSON
Manager
Hydraulic Services



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

October 26, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: NORTH WELL #1
Location: 35TH ST W N/S AVE A HP: 30
Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
Meter: 254000-016403 Pump Ref.#: 2580

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 October 22, 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	5,256	3,215	2,041	\$183.67
kW Input	24.7	15.1	9.6	
kW on-peak activity factor *			6.2	\$623.36
Acre Feet per Year	10.3			
kWh per Acre Foot	508	311	197	
Average Cost per Acre Foot	\$241.51	\$147.74	\$93.77	
Overall Plant Efficiency (%)	37.3	61.0		
Annual Total	\$2,498.23	\$1,528.25	\$969.98	\$807.03

(*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 9.6 kW, and the savings used for incentive calculations is 65% of 9.6, or 6.2 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 37.3% to 61.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of PA-1, we estimate that you may save up to 2,041 kWh annually (which translates to a 0.9-ton decrease in CO₂ emissions). This may result in energy cost savings of \$969.98.
- **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 \$807.03, 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



Confidential/Proprietary Information

October 26, 2012

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: EAST WELL #2
 Location: E/S 30TH W S/O AVE A HP: 50
 Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
 Meter: 3412M-6681 Pump Ref.#: 2578

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 October 22, 2012, billing history for the past 12 months, and your current rate of TOU-PA-SOP-1.

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 54.9% to 65.0%.
2. This can save you up to 26,123 kWh and \$2,418.17 annually.
3. These kWh savings translate to a 11-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	167,388	141,265	26,123
kW Input	43.1	36.4	6.7
kWh per Acre Foot	356	301	56
Acre Feet per Year	469.8		
Average Cost per kWh	\$0.09		
Average Cost per Acre Foot	\$32.98	\$27.83	\$5.15
Overall Plant Efficiency (%)	54.9	65.0	
Total Annual Cost	\$15,495.11	\$13,076.94	\$2,418.17

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)654-7312.

RUSS JOHNSON
 Manager
 Hydraulic Services



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

October 26, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: EAST WELL #2
Location: E/S 30TH W S/O AVE A HP: 50
Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
Meter: 3412M-6681 Pump Ref. #: 2578

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 October 22, 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	167,388	141,265	26,123	\$2,351.03
kW Input	43.1	36.4	6.7	
kW on-peak activity factor *			4.4	\$437.20
Acre Feet per Year	469.8			
kWh per Acre Foot	356	301	56	
Average Cost per Acre Foot	\$32.98	\$27.83	\$5.15	
Overall Plant Efficiency (%)	54.9	65.0		
Annual Total	\$15,495.11	\$13,076.94	\$2,418.17	\$2,788.24

(*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 54.9% to 65.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-PA-SOP-1, we estimate that you may save up to 26,123 kWh annually (which translates to a 11-ton decrease in CO₂ emissions). This may result in energy cost savings of \$2,418.17.
- **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 \$2,788.24, capped at 50% of your project cost. (See contract for details.)

If you are interested in an incentive for this pump, please contact **Veronica Diaz** at (626)812-7670 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

October 26, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: WEST WELL #3
Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
Meter: 3416M-7011 Pump Ref. #: 2579

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 October 22, 2012, billing history for the past 12 months, and your current rate of TOU-P-S-1-AP.

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 56.2% to 65.0%.
2. This can save you up to 27,867 kWh and \$2,564.34 annually.
3. These kWh savings translate to a 12-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	204,780	176,913	27,867
kW Input	60.7	52.4	8.3
kWh per Acre Foot	382	330	52
Acre Feet per Year	536.7		
Average Cost per kWh	\$0.09		
Average Cost per Acre Foot	\$35.11	\$30.33	\$4.78
Overall Plant Efficiency (%)	56.2	65.0	
Total Annual Cost	\$18,843.86	\$16,279.52	\$2,564.34

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)654-7312.

RUSS JOHNSON
Manager
Hydraulic Services



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

October 26, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: WEST WELL #3
Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
Meter: 3416M-7011 Pump Ref. #: 2579

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 October 22, 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	204,780	176,913	27,867	\$2,508.05
kW Input	60.7	52.4	8.3	
kW on-peak activity factor *			5.4	\$536.92
Acre Feet per Year	536.7			
kWh per Acre Foot	382	330	52	
Average Cost per Acre Foot	\$35.11	\$30.33	\$4.78	
Overall Plant Efficiency (%)	56.2	65.0		
Annual Total	\$18,843.86	\$16,279.52	\$2,564.34	\$3,044.96

(*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 8.3 kW, and the savings used for incentive calculations is 65% of 8.3, or 5.4 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 56.2% to 65.0%.
- **Lower Energy Costs:** Based on the test data, your past energy usage, and your current rate of TOU-P-S-1-AP, we estimate that you may save up to 27,867 kWh annually (which translates to a 12-ton decrease in CO₂ emissions). This may result in energy cost savings of \$2,564.34.
- **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 \$3,044.96, 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

WAGAS LAND COMPANY LLC WATER USAGE: 2000-2004

(Revised 2-18-12)

(AS DETERMINED BY EDISON COMPANY PUMP TESTS)

Years 2000-2004

			South Well (60 HP) Referred to by Edison as "West Well"	Total
Year	North Well (30 HP) AFY	East Well (50 HP) AFY	AFY	AFY
2000	220.3	556.7	605.9	1382.9
2001	88.3	426.7	521.7	1036.7
2002	44.5	433.6	575.8	1053.9
2003	34.6	455.7	548.6	1038.9
2004	32.8	466	518.6	1017.4
Average				1106.0
Median				1038.9
Highest				1382.9

2000



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October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

HYDRAULIC TEST RESULTS, Plant: NORTH WELL #1
Location: 35TH ST W N/S AVE A HP: 30
Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
Meter: 3412M-7140 Pump Ref. #: 2580

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 11, 2000. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

	Equipment		
Pump:	AUROR	No:	V8472099
Motor:	US	No:	R718303919
Discharge Pressure, PSI	1.7	15.1	26.5
Standing Water Level, Feet	143.7	143.7	143.7
Drawdown, Feet	41.3	35.0	28.9
Discharge Head, Feet	3.9	34.9	61.2
Pumping Water Level, Feet	185.0	178.7	172.6
Total Head, Feet	188.9	213.6	233.8
Capacity, GPM	379	319	263
GPM per Foot Drawdown	9.2	9.1	9.1
Acre Feet Pumped in 24 Hours	1.675	1.410	1.162
kW Input to Motor	24.5	23.8	22.2
HP Input to Motor	32.9	31.9	29.8
Motor Load (%)	96.9	94.2	87.8
Measured Speed of Pump, RPM	1,774		
kWh per Acre Foot	351	405	458
Overall Plant Efficiency (%)	55.0	53.9	52.2

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.

DAN L. JOHNSON
Manager
Hydraulic Services



Confidential/Proprietary Information

October 19, 2011

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: 'NORTH WELL #1
 Location: 35TH ST W N/S AVE A HP: 30
 Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
 Meter: 3412M-7140 Pump Ref. #: 2580

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 October 11, 2000, billing history for the past 12 months, and your current rate of TOU-PA-A.

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 55.0% to 65.0%.
2. This can save you up to 11,866 kWh and \$1,233.92 annually.
3. These kWh savings translate to a 5.2-ton decrease in CO₂ emissions.

	Existing	Plant Efficiency Improved	Savings
Total kWh	77,340	65,474	11,866
kW Input	24.5	20.7	3.8
kWh per Acre Foot	351	297	54
Acre Feet per Year	220.3		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$36.51	\$30.91	\$5.60
Overall Plant Efficiency (%)	55.0	65.0	
Total Annual Cost	\$8,042.74	\$6,808.82	\$1,233.92

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum energy efficiency will be continued. If you have any questions regarding this report, please contact GARY PARDUE at (661)726-5662.

DAN L. JOHNSON
 Manager
 Hydraulic Services

Confidential/Proprietary Information

February 14, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

HYDRAULIC TEST RESULTS, Plant: 'EAST WELL #2
Location: E/S 30TH W S/O AVE A HP: 50
Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
Meter: 3412M-6681 Pump Ref. #: 2578

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 11, 2000. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

Equipment		
Pump:	L & B	No: 'D18009
Motor:	US	No: 'H1019392
Discharge Pressure, PSI		1.3
Standing Water Level, Feet		145.8
Drawdown, Feet		36.4
Discharge Head, Feet		3.0
Pumping Water Level, Feet		182.2
Total Head, Feet		185.2
Capacity, GPM		709
GPM per Foot Drawdown		19.5
Acre Feet Pumped in 24 Hours		3.134
kW Input to Motor		43.0
HP Input to Motor		57.7
Motor Load (%)		103.8
Measured Speed of Pump, RPM		1,774
kWh per Acre Foot		329
Overall Plant Efficiency (%)		57.5

DAN L. JOHNSON
Manager
Hydraulic Services

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February 14, 2012

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: EAST WELL #2
Location: E/S 30TH W S/O AVE A HP: 50
Cust #: 0-000-2633 Serv. Acct. #: 014-8034-41
Meter: 3412M-6681 Pump Ref. #: 2578

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 October 11, 2000, billing history for the past 12 months, and your current rate of TOU-PA-SOP-1.

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 57.5% to 70.0%.
2. This can save you up to 32,736 kWh and \$2,262.30 annually.
3. These kWh savings translate to a 14-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	183,372	150,636	32,736
kW Input	43.0	35.3	7.7
kWh per Acre Foot	329	271	59
Acre Feet per Year	556.7		
Average Cost per kWh	\$0.07		
Average Cost per Acre Foot	\$22.76	\$18.70	\$4.06
Overall Plant Efficiency (%)	57.5	70.0	
<hr/> Total Annual Cost	<hr/> \$12,672.47	<hr/> \$10,410.18	<hr/> \$2,262.30

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum energy efficiency will be continued. If you have any questions regarding this report, please contact GARY PARDUE at (661)726-5662.

DAN L. JOHNSON
Manager
Hydraulic Services



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October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

HYDRAULIC TEST RESULTS, Plant: WEST WELL #3

Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-8970-34
Meter: 3416M-7011 Pump Ref. #: 2579

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 12, 2000. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

	Equipment	
Pump:	L & B	No: '21847
Motor:	US	No: '1025182
Discharge Pressure, PSI	.8	14.1
Standing Water Level, Feet	158.9	158.9
Drawdown, Feet	35.2	30.7
Discharge Head, Feet	1.8	32.6
Pumping Water Level, Feet	194.1	189.6
Total Head, Feet	195.9	222.2
Capacity, GPM	978	827
GPM per Foot Drawdown	27.8	26.9
Acre Feet Pumped in 24 Hours	4.323	3.655
kW Input to Motor	61.2	60.5
HP Input to Motor	82.1	81.1
Motor Load (%)	123.1	121.7
Measured Speed of Pump, RPM	1,775	
kWh per Acre Foot	340	397
Overall Plant Efficiency (%)	59.0	57.2

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.

DAN L. JOHNSON
Manager
Hydraulic Services



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October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: WEST WELL #3
Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
Meter: 3416M-7011 Pump Ref. #: 2579

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 October 12, 2000, billing history for the past 12 months, and your current rate of TOU-P-S-1-AP.

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 59.0% to 70.0%.
2. This can save you up to 32,498 kWh and \$2,000.86 annually.
3. These kWh savings translate to a 14-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	205,908	173,410	32,498
kW Input	61.2	51.5	9.7
kWh per Acre Foot	340	286	54
Acre Feet per Year	605.9		
Average Cost per kWh	\$0.06		
Average Cost per Acre Foot	\$20.92	\$17.62	\$3.30
Overall Plant Efficiency (%)	59.0	70.0	
Total Annual Cost	\$12,677.34	\$10,676.48	\$2,000.86

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum energy efficiency will be continued. If you have any questions regarding this report, please contact GARY PARDUE at (661)726-5662.

DAN L. JOHNSON
Manager
Hydraulic Services

2001



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CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - NORTH WELL #1
35TH ST W N/S AVE A
CUST #: 0-006-1729 SERV ACCT #: 003-4220-09
DATE OF TEST: October 1, 2001

In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: AUROR NO: V8472099
MOTOR: US NO: R718303919 30 HP
METER: 732M-54
HYDRAULIC TEST REFERENCE NUMBER: 2580

TEST RESULTS	TEST 1	TEST 2	TEST 3
Discharge Pressure, PSI	1.0	15.9	26.3
Standing Water Level, Ft.	150.4	150.4	150.4
Drawdown, Ft.	39.1	32.2	26.1
Discharge Head, Ft.	2.3	36.7	60.8
Pumping Water Level, Ft.	189.5	182.6	176.5
Total Head, Ft.	191.8	219.3	237.3
Capacity, GPM	366.0	294.0	235.0
GPM per Ft. Drawdown	9.4	9.1	9.0
Acre Ft. Pumped in 24 Hrs.	1.618	1.299	1.039
kW Input to Motor	24.3	23.1	21.5
HP Input to Motor	32.6	31.0	28.8
Motor Load (%)	96.1	91.4	85.1
Measured Speed of Pump, RPM	1770		
kWh per Acre Ft.	361	427	497
Overall Plant Efficiency (%)	54.4	52.6	48.8

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.

Dan Johnson
DAN JOHNSON
Manager
Hydraulic Services

*12.2 gal per / hr per
366 gal
30
60
60*



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 30 - PLANT: NORTH WELL #1
CUST #: 0-006-1729 SERV ACCT #: 003-4220-09
HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 1, 2001 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY

PA-1
Current Rate


Total kWh	31836
kW Input	24.3
kWh per Acre Ft.	361
Acre Ft. per Year	88.3
Avg. Cost per kWh	\$0.11
Avg. Cost per Acre Ft.	\$39.30
Overall Plant Eff. (%)	54.4

TOTAL ANNUAL COST	\$3,469.61

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 pump efficiency will be continued.

If you have any questions, please contact GARY FARDY at (661)726-5662.


DAN JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
 HP: 30 - PLANT: NORTH WELL #1
 CUST #: 0-006-1729 SERV ACCT #: 003-4220-09
 HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 1, 2001 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved to 65.0%.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY PA-1 Current Rate	IMPROVED PLANT EFFICIENCY PA-1 Current Rate	Savings
Total kWh	31836	26644	5192
kW Input	24.3	20.3	4.0
kWh per Acre Ft.	361	302	59
Acre Ft. per Year	88.3	88.3	
Avg. Cost per kWh	\$0.11		
Avg. Cost per Acre Ft.	\$39.30	\$32.89	\$6.41
Overall Plant Eff. (%)	54.4	65.0	
-----	-----	-----	-----
TOTAL ANNUAL COST	\$3,469.61	\$2,903.80	\$565.81

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, please contact GARY PAROUE at (861) 726-5662.

DAN JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL #2
E/S 30TH W S/O AVE A
CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
DATE OF TEST: October 1, 2001

In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: D18009
MOTOR: US NO: H1019392 50 HP
METER: 732K-1194
HYDRAULIC TEST REFERENCE NUMBER: 2578

TEST RESULTS

Discharge Pressure, PSI 1.1
Standing Water Level, Ft. 144.7
Drawdown, Ft. 36.9
Discharge Head, Ft. 2.5
Pumping Water Level, Ft. 181.6
Total Head, Ft. 184.1
Capacity, GPM 700.0
GPM per Ft. Drawdown 19.0
Acre Ft. Pumped in 24 Hrs. 3.094
kW Input to Motor 42.7
HP Input to Motor 57.3
Motor Load (%) 103.1
Measured Speed of Pump, RPM 1773
kWh per Acre Ft. 331
Overall Plant Efficiency (%) 56.8

19 gal per ft drawdown

DAN JOHNSON
Manager
Hydraulic Services

*50/700
30
200
14 gal per 100 ft*



An EDISON INTERNATIONALSM Company

CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 50 - PLANT: EAST WELL #2
CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 1, 2001 and billing history for the past 12 months.

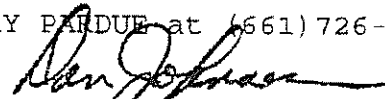
	EXISTING PLANT EFFICIENCY TOU-PA-SOP Current Rate
Total kWh	141372
kW Input	42.7
kWh per Acre Ft.	331
Acre Ft. per Year	426.7
Avg. Cost per kWh	\$0.07
Avg. Cost per Acre Ft.	\$21.82
Overall Plant Eff. (%)	56.8

TOTAL ANNUAL COST	\$9,311.04

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 pump efficiency will be continued.

If you have any questions, please contact GARY PARDUE at (661)726-5662.


DAN JOHNSON
Manager
Hydraulic Services

138 Days
Per yr

Handwritten calculation:
3.09 | 426.7
 309
 1177
 927
 2500
 472



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
 HP: 50 - PLANT: EAST WELL #2
 CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
 HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 1, 2001 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved to 70.0%.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY TOU-PA-SOP Current Rate	IMPROVED PLANT EFFICIENCY TOU-PA-SOP Current Rate	Savings
Total kWh	141372	114780	26592
kW Input	42.7	34.7	8.0
kWh per Acre Ft.	331	269	62
Acre Ft. per Year	426.7	426.7	
Avg. Cost per kWh	\$0.07		
Avg. Cost per Acre Ft.	\$21.82	\$17.71	\$4.10
Overall Plant Eff. (%)	56.8	70.0	
-----	-----	-----	-----
TOTAL ANNUAL COST	\$9,311.04	\$7,559.63	\$1,751.42

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, please contact GARY PARQUE at (661)726-5662.

Dan Johnson
 DAN JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - WEST WELL #3
35TH W 1/4 S/O AVE A
CUST #: 0-006-1729 SERV ACCT #: 003-6970-34
DATE OF TEST: October 2, 2001

In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: 21847
MOTOR: US NO: 1025182 60 HP
METER: O728K-1297
HYDRAULIC TEST REFERENCE NUMBER: 2579

TEST RESULTS

Discharge Pressure, PSI 0.8
Standing Water Level, Ft. 168.3
Drawdown, Ft. 31.8
Discharge Head, Ft. 1.8
Pumping Water Level, Ft. 200.1
Total Head, Ft. 201.9
Capacity, GPM 938.0
GPM per Ft. Drawdown 29.5
Acre Ft. Pumped in 24 Hrs. 4.146
kW Input to Motor 61.1
HP Input to Motor 81.9
Motor Load (%) 122.9
Measured Speed of Pump, RPM 1786
kWh per Acre Ft. 354
Overall Plant Efficiency (%) 58.4

Handwritten signature of Dan Johnson

DAN JOHNSON
Manager
Hydraulic Services

Handwritten note: 15.75 gal per 1/4 acre

Handwritten calculations: 60/938, 60/338, 300/380, 350/300



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 60 - PLANT: WEST WELL #3
CUST #: 0-006-1729 SERV ACCT #: 003-6970-34
HYDRAULIC TEST REFERENCE NUMBER: 2579

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 2, 2001 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY
TOU-PA-SOP
Current Rate

Total kWh	184572
kW Input	61.1
kWh per Acre Ft.	354
Acre Ft. per Year	521.7
Avg. Cost per kWh	\$0.07
Avg. Cost per Acre Ft.	\$23.02
Overall Plant Eff. (%)	58.4
-----	-----
TOTAL ANNUAL COST	\$12,010.28

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 pump efficiency will be continued.

If you have any questions, please contact GARY PARDUE at (661)726-5662.

Dan Johnson
DAN JOHNSON
Manager
Hydraulic Services

125

415 | 521.7
415

1067
830

2370
2075



CONFIDENTIAL/PROPRIETARY INFORMATION

October 5, 2001

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 60 - PLANT: WEST WELL #3
CUST #: 0-006-1729 SERV ACCT #: 003-6970-34
HYDRAULIC TEST REFERENCE NUMBER: 2579

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed October 2, 2001 and billing history for the past 12 months.

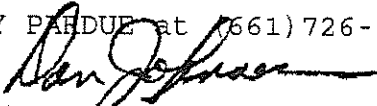
It is recommended and assumed that:

1. Overall plant efficiency can be improved to 70.0%.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY TOU-PA-SOP Current Rate	IMPROVED PLANT EFFICIENCY TOU-PA-SOP Current Rate	Savings
Total kWh	184572	153901	30671
kW Input	61.1	50.9	10.2
kWh per Acre Ft.	354	295	59
Acre Ft. per Year	521.7	521.7	
Avg. Cost per kWh	\$0.07		
Avg. Cost per Acre Ft.	\$23.02	\$19.19	\$3.83
Overall Plant Eff. (%)	58.4	70.0	
-----	-----	-----	-----
TOTAL ANNUAL COST	\$12,010.28	\$10,014.50	\$1,995.79

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, please contact GARY PARHUE at (661)726-5662.


DAN JOHNSON
Manager
Hydraulic Services

2002



Confidential/Proprietary Information

October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

HYDRAULIC TEST RESULTS, Plant: NORTH WELL #1
Location: 35TH ST W N/S AVE A HP: 30
Cust #: 0-006-1729 Serv. Acct. #: 003-4220-09
Meter: 3412M-7140 Pump Ref. #: 2560

In accordance with your request, an energy efficiency test was performed on your turbine well pump on September 25, 2002. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

	Equipment		
Pump:	AUROR	No:	'V8472099
Motor:	US	No:	'R718303919
Discharge Pressure, PSI	1.0	11.5	19.4
Standing Water Level, Feet	152.7	152.7	152.7
Drawdown, Feet	34.0	29.5	25.5
Discharge Head, Feet	2.3	26.6	44.8
Pumping Water Level, Feet	186.7	182.2	178.2
Total Head, Feet	189.0	208.8	223.0
Capacity, GPM	325	294	227
GPM per Foot Drawdown	9.6	10.0	8.9
Acre Feet Pumped in 24 Hours	1.437	1.299	1.003
kW Input to Motor	24.8	24.0	23.1
HP Input to Motor	33.3	32.2	31.0
Motor Load (%)	98.1	94.9	91.4
Measured Speed of Pump, RPM	1,760		
kWh per Acre Foot	414	443	553
Overall Plant Efficiency (%)	46.6	48.2	41.3

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.

DAN L. JOHNSON
Manager
Hydraulic Services



Confidential/Proprietary Information

October 19, 2011

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: 'NORTH WELL #1
 Location: 35TH ST W N/S AVE A HP: 30
 Cust #: 0-006-1729 Serv. Acct #: 003-4220-09
 Meter: 3412M-7140 Pump Ref.#: 2580

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 September 25, 2002, billing history for the past 12 months, and your current rate of TOU-PA-A.

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 46.6% to 65.0%.
2. This can save you up to 5,206 kWh and \$635.14 annually.
3. These kWh savings translate to a 2.3-ton decrease in CO₂ emissions.

	<u>Existing</u>	<u>Plant Efficiency Improved</u>	<u>Savings</u>
Total kWh	18,432	13,226	5,206
kW Input	24.8	17.8	7.0
kWh per Acre Foot	414	297	117
Acre Feet per Year	44.5		
Average Cost per kWh	\$0.12		
Average Cost per Acre Foot	\$50.56	\$36.28	\$14.28
Overall Plant Efficiency (%)	46.6	65.0	
Total Annual Cost	\$2,248.74	\$1,613.60	\$635.14

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum energy efficiency will be continued. If you have any questions regarding this report, please contact GARY PARDUE at (661)726-5662.

DAN L. JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

September 30, 2002

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL #2
E/S 30TH W S/O AVE A
CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
DATE OF TEST: September 25, 2002

In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: D18009
MOTOR: US NO: H1019392 50 HP
METER: 732K-1194
HYDRAULIC TEST REFERENCE NUMBER: 2578

TEST RESULTS

Discharge Pressure, PSI	1.5
Standing Water Level, Ft.	131.6
Drawdown, Ft.	40.1
Discharge Head, Ft.	3.5
Pumping Water Level, Ft.	171.7
Total Head, Ft.	175.2
Capacity, GPM	719.0
GPM per Ft. Drawdown	17.9
Acre Ft. Pumped in 24 Hrs.	3.178
kW Input to Motor	42.5
HP Input to Motor	57.0
Motor Load (%)	102.6
Measured Speed of Pump, RPM	1,773
kWh per Acre Ft.	321
Overall Plant Efficiency (%)	55.8

A handwritten signature in black ink, appearing to read "Dan Johnson".

DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

September 30, 2002

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
 HP: 50 - PLANT: EAST WELL #2
 CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
 HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed September 25, 2002 and billing history for the past 12 months.

It is recommended and assumed that:

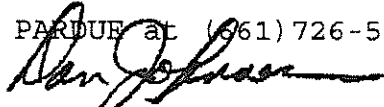
1. Overall plant efficiency can be improved to 70.0%.
2. Water requirements will be the same as for the past year.
3. All operating conditions (annual hours of operation, head above, and water pumping level) will remain the same as they were at the time of the pump test.

	EXISTING PLANT EFFICIENCY	IMPROVED PLANT EFFICIENCY	Savings
	TOU-PA-SOP Current Rate	TOU-PA-SOP Current Rate	
Total kWh	139,200	110,992	28,208
kW Input	42.5	33.9	8.6
kWh per Acre Ft.	321	256	65
Acre Ft. per Year	433.6	433.6	
Avg. Cost per kWh	\$0.09		
Avg. Cost per Acre Ft.	\$28.18	\$22.47	\$5.71
Overall Plant Eff. (%)	55.8	70.0	

TOTAL ANNUAL COST	\$12,219.53	\$9,743.31	\$2,476.22

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, please contact GARY PARDUE at (961) 726-5662.


 DAN L. JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

September 30, 2002

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 50 - PLANT: EAST WELL #2
CUST #: 0-000-2633 SERV ACCT #: 014-8034-41
HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed September 25, 2002 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY
TOU-PA-SOP
Current Rate

Total kWh	139,200
kW Input	42.5
kWh per Acre Ft.	321
Acre Ft. per Year	433.6
Avg. Cost per kWh	\$0.09
Avg. Cost per Acre Ft.	\$28.18
Overall Plant Eff. (%)	55.8

TOTAL ANNUAL COST	\$12,219.53

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 pump efficiency will be continued.

If you have any questions, please contact GARY PARDUE at (661) 726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA
EDISON[®]

An EDISON INTERNATIONAL[®] Company

Confidential/Proprietary Information

October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

HYDRAULIC TEST RESULTS, Plant WEST WELL #3
Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
Meter: 3416M-7011 Pump Ref. #: 2579

In accordance with your request, an energy efficiency test was performed on your turbine well pump on September 26, 2002. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

	Equipment	
Pump:	L & B	No: '21847
Motor:	US	No: '1025182
Discharge Pressure, PSI		.2
Standing Water Level, Feet		144.1
Drawdown, Feet		41.7
Discharge Head, Feet		.5
Pumping Water Level, Feet		185.8
Total Head, Feet		186.3
Capacity, GPM		1,018
GPM per Foot Drawdown		24.4
Acre Feet Pumped in 24 Hours		4.500
kW Input to Motor		60.7
HP Input to Motor		81.4
Motor Load (%)		122.1
Measured Speed of Pump, RPM		1,776
kWh per Acre Foot		324
Overall Plant Efficiency (%)		58.8

DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA
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October 19, 2011

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

PUMPING COST ANALYSIS, Plant: WEST WELL #3
Location: 3310 W AVENUE A HP: 60
Cust #: 0-006-1729 Serv. Acct. #: 003-6970-34
Meter: 3416M-7011 Pump Ref. #: 2579

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 September 26, 2002, billing history for the past 12 months, and your current rate of TOU-P-S-1-AP.

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 58.8% to 70.0%.
2. This can save you up to 29,735 kWh and \$2,954.26 annually.
3. These kWh savings translate to a 13-ton decrease in CO₂ emissions.

	Existing	Plant Efficiency Improved	Savings
Total kWh	186,456	156,721	29,735
kW Input	60.7	51.0	9.7
kWh per Acre Foot	324	272	52
Acre Feet per Year	575.8		
Average Cost per kWh	\$0.10		
Average Cost per Acre Foot	\$32.17	\$27.04	\$5.13
Overall Plant Efficiency (%)	58.8	70.0	
Total Annual Cost	\$18,524.78	\$15,570.51	\$2,954.26

It is sincerely hoped that this information will prove helpful to you, and that your concerns over maintaining optimum energy efficiency will be continued. If you have any questions regarding this report, please contact GARY PARDUE at (661)726-5662.

DAN L. JOHNSON
Manager
Hydraulic Services

2003



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - NORTH WELL #1
35TH ST W N/S AVE A
CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
DATE OF TEST: August 27, 2003

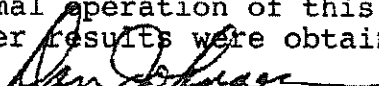
In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: AUROR NO: V8472099
MOTOR: US NO: R718303919 30 HP
METER: 732M-54
HYDRAULIC TEST REFERENCE NUMBER: 2580

TEST RESULTS	TEST 1	TEST 2	TEST 3
Discharge Pressure, PSI	1.1	11.6	19.8
Standing Water Level, Ft.	155.9	155.9	155.9
Drawdown, Ft.	33.2	28.5	24.4
Discharge Head, Ft.	2.5	26.8	45.7
Pumping Water Level, Ft.	189.1	184.4	180.3
Total Head, Ft.	191.6	211.2	226.0
Capacity, GPM	357.0	313.0	277.0
GPM per Ft. Drawdown	10.8	11.0	11.4
Acre Ft. Pumped in 24 Hrs.	1.578	1.383	1.224
kW Input to Motor	24.6	23.6	23.0
HP Input to Motor	33.0	31.6	30.8
Motor Load (%)	97.3	93.4	91.0
Measured Speed of Pump, RPM	1,759		
kWh per Acre Ft.	374	409	451
Overall Plant Efficiency (%)	52.4	52.7	51.3

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.


DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 30 - PLANT: NORTH WELL #1
CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 27, 2003 and billing history for the past 12 months.

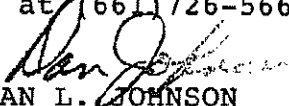
EXISTING PLANT EFFICIENCY
PA-1
Current Rate

Total kWh	12,948
kW Input	24.6
kWh per Acre Ft.	374
Acre Ft. per Year	34.6
Avg. Cost per kWh	\$0.15
Avg. Cost per Acre Ft.	\$54.39
Overall Plant Eff. (%)	52.4
-----	-----
TOTAL ANNUAL COST	\$1,881.78

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 additional questions regarding this report, please contact GARY PARDUE at 661-726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 30 - PLANT: NORTH WELL #1
 CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
 HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 27, 2003 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved from 52.4% to 65.0%. These improvements can save you up to 2,518 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY		IMPROVED PLANT EFFICIENCY	
	PA-1		PA-1	
	Current Rate	Current Rate	Savings	
Total kWh	12,948	10,430	2,518	
kW Input	24.6	19.8	4.8	
kWh per Acre Ft.	374	301	73	
Acre Ft. per Year	34.6	34.6		
Avg. Cost per kWh	\$0.15			
Avg. Cost per Acre Ft.	\$54.39	\$43.81	\$10.58	
Overall Plant Eff. (%)	52.4	65.0		
TOTAL ANNUAL COST	\$1,881.78	\$1,515.86	\$365.92	

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 additional questions regarding this report, please contact GARY PARDUE at (661) 726-5662.

Dan Johnson
 DAN L. JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL #2
E/S 30TH W S/O AVE A
CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
DATE OF TEST: August 27, 2003

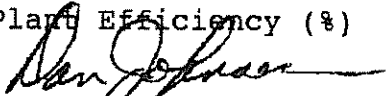
In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: D18009
MOTOR: US NO: H1019392 50 HP
METER: 732K-1194
HYDRAULIC TEST REFERENCE NUMBER: 2578

TEST RESULTS

Discharge Pressure, PSI	2.0
Standing Water Level, Ft.	133.4
Drawdown, Ft.	38.6
Discharge Head, Ft.	4.6
Pumping Water Level, Ft.	172.0
Total Head, Ft.	176.6
Capacity, GPM	714.0
GPM per Ft. Drawdown	18.5
Acre Ft. Pumped in 24 Hrs.	3.156
kW Input to Motor	42.4
HP Input to Motor	56.9
Motor Load (%)	102.3
Measured Speed of Pump, RPM	1,772
kWh per Acre Ft.	323
Overall Plant Efficiency (%)	56.0


DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 50 - PLANT: EAST WELL #2
CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
HYDRAULIC TEST REFERENCE NUMBER: 2578


The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 27, 2003 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY	
TOU-PA-SOP	
Current Rate	
Total kWh	146,976
kW Input	42.4
kWh per Acre Ft.	323
Acre Ft. per Year	455.7
Avg. Cost per kWh	\$0.09
Avg. Cost per Acre Ft.	\$29.16
Overall Plant Eff. (%)	56.0
-----	-----
TOTAL ANNUAL COST	\$13,288.96

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 additional questions regarding this report, please contact GARY PARDUE at (661)726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 50 - PLANT: EAST WELL #2
 CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
 HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 27, 2003 and billing history for the past 12 months.

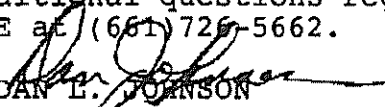
It is recommended and assumed that:

1. Overall plant efficiency can be improved from 56.0% to 70.0%. These improvements can save you up to 29,392 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY	IMPROVED PLANT EFFICIENCY	Savings
	TOU-PA-SOP Current Rate	TOU-PA-SOP Current Rate	
Total kWh	146,976	117,584	29,392
kW Input	42.4	33.9	8.5
kWh per Acre Ft.	323	258	64
Acre Ft. per Year	455.7	455.7	
Avg. Cost per kWh	\$0.09		
Avg. Cost per Acre Ft.	\$29.16	\$23.33	\$5.83
Overall Plant Eff. (%)	56.0	70.0	
TOTAL ANNUAL COST	\$13,288.96	\$10,631.44	\$2,657.52

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 additional questions regarding this report, please contact GARY PARDUE at (661) 726-5662.


 DAN L. JOHNSON
 Manager
 Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - WEST WELL #3
35TH W 1/4 S/O AVE A
CUST #: 0-006-1729 - SERV ACCT #: 003-6970-34
DATE OF TEST: August 28, 2003


In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact GARY PARDUE at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: 21847
MOTOR: US NO: 1025182 60 HP
METER: O728K-1297
HYDRAULIC TEST REFERENCE NUMBER: 2579

TEST RESULTS

Discharge Pressure, PSI	0.9
Standing Water Level, Ft.	148.3
Drawdown, Ft.	40.7
Discharge Head, Ft.	2.1
Pumping Water Level, Ft.	189.0
Total Head, Ft.	191.1
Capacity, GPM	962.0
GPM per Ft. Drawdown	23.6
Acre Ft. Pumped in 24 Hrs.	4.252
kW Input to Motor	60.7
HP Input to Motor	81.4
Motor Load (%)	122.1
Measured Speed of Pump, RPM	1,775
kWh per Acre Ft.	343
Overall Plant Efficiency (%)	57.0


DAN E. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHELL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 60 - PLANT: WEST WELL #3
CUST #: 0-006-1729 - SERV ACCT #: 003-6970-34
HYDRAULIC TEST REFERENCE NUMBER: 2579

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 28, 2003 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY
TOU-PA-SOP
Current Rate

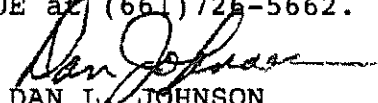
Total kWh	187,980
kW Input	60.7
kWh per Acre Ft.	343
Acre Ft. per Year	548.6
Avg. Cost per kWh	\$0.09
Avg. Cost per Acre Ft.	\$31.45
Overall Plant Eff. (%)	57.0

TOTAL ANNUAL COST	\$17,254.86

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 additional questions regarding this report, please contact GARY PARDUE at (661)726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



CONFIDENTIAL/PROPRIETARY INFORMATION

August 31, 2003

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 60 - PLANT: WEST WELL #3
 CUST #: 0-006-1729 - SERV ACCT #: 003-6970-34
 HYDRAULIC TEST REFERENCE NUMBER: 2579

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 28, 2003 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved from 57.0% to 70.0%. These improvements can save you up to 34,823 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY	IMPROVED PLANT EFFICIENCY	Savings
	TOU-PA-SOP Current Rate	TOU-PA-SOP Current Rate	
Total kWh	187,980	153,157	34,823
kW Input	60.7	49.5	11.2
kWh per Acre Ft.	343	279	63
Acre Ft. per Year	548.6	548.6	
Avg. Cost per kWh	\$0.09		
Avg. Cost per Acre Ft.	\$31.45	\$25.63	\$5.83
Overall Plant Eff. (%)	57.0	70.0	
TOTAL ANNUAL COST	\$17,254.86	\$14,058.42	\$3,196.44

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 additional questions regarding this report, please contact GARY PARDUE at (661) 726-5662.

Dan L. Johnson
 DAN L. JOHNSON
 Manager
 Hydraulic Services

2004



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - NORTH WELL #1
35TH ST W N/S AVE A
CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
DATE OF TEST: August 24, 2004

In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact RICK KOCH at (661)726-5662.

EQUIPMENT

PUMP: AUROR NO: V8472099
MOTOR: US NO: R718303919 30 HP
METER: 732M-54
HYDRAULIC TEST REFERENCE NUMBER: 2580

Table with 4 columns: TEST RESULTS, TEST 1, TEST 2, TEST 3. Rows include Discharge Pressure, Standing Water Level, Drawdown, Discharge Head, Pumping Water Level, Total Head, Capacity, GPM per Ft. Drawdown, Acre Ft. Pumped in 24 Hrs., kW Input to Motor, HP Input to Motor, Motor Load (%), Measured Speed of Pump, RPM, kWh per Acre Ft., and Overall Plant Efficiency (%).

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge.

Signature of Dan Johnson
DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 30 - PLANT: NORTH WELL #1
CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 24, 2004 and billing history for the past 12 months.

EXISTING PLANT EFFICIENCY

PA-1

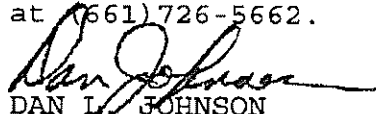
Current Rate

Total kWh	13,572
kW Input	25.0
kWh per Acre Ft.	414
Acre Ft. per Year	32.8
Avg. Cost per kWh	\$0.11
Avg. Cost per Acre Ft.	\$46.53
Overall Plant Eff. (%)	49.0
-----	-----
TOTAL ANNUAL COST	\$1,525.61

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 additional questions regarding this report, please contact RICK KOCH at (661)726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 30 - PLANT: NORTH WELL #1
CUST #: 0-006-1729 - SERV ACCT #: 003-4220-09
HYDRAULIC TEST REFERENCE NUMBER: 2580

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 24, 2004 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved from 49.0% to 65.0%. These improvements can save you up to 3,337 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY PA-1 Current Rate	IMPROVED PLANT EFFICIENCY PA-1 Current Rate	Savings
Total kWh	13,572	10,235	3,337
kW Input	25.0	18.9	6.1
kWh per Acre Ft.	414	312	102
Acre Ft. per Year	32.8	32.8	
Avg. Cost per kWh	\$0.11		
Avg. Cost per Acre Ft.	\$46.53	\$35.09	\$11.44
Overall Plant Eff. (%)	49.0	65.0	
TOTAL ANNUAL COST	\$1,525.61	\$1,150.49	\$375.12

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 additional questions regarding this report, please contact RICK KOCH at (662) 265-5652.


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL #2
E/S 30TH W S/O AVE A
CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
DATE OF TEST: August 23, 2004


In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact RICK KOCH at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: D18009
MOTOR: US NO: H1019392 50 HP
METER: 732K-1194
HYDRAULIC TEST REFERENCE NUMBER: 2578

TEST RESULTS

Discharge Pressure, PSI	0.9
Standing Water Level, Ft.	127.8
Drawdown, Ft.	40.0
Discharge Head, Ft.	2.1
Pumping Water Level, Ft.	167.8
Total Head, Ft.	169.9
Capacity, GPM	676.0
GPM per Ft. Drawdown	16.9
Acre Ft. Pumped in 24 Hrs.	2.988
kW Input to Motor	42.0
HP Input to Motor	56.3
Motor Load (%)	101.4
Measured Speed of Pump, RPM	1,773
kWh per Acre Ft.	337
Overall Plant Efficiency (%)	51.5


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCHALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS
HP: 50 - PLANT: EAST WELL #2
CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 23, 2004 and billing history for the past 12 months.

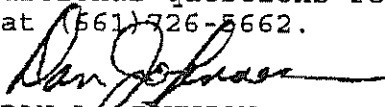
EXISTING PLANT EFFICIENCY
TOU-PA-SOP1
Current Rate

Total kWh	157,248
kW Input	42.0
kWh per Acre Ft.	337
Acre Ft. per Year	466.0
Avg. Cost per kWh	\$0.07
Avg. Cost per Acre Ft.	\$22.84
Overall Plant Eff. (%)	51.5
-----	-----
TOTAL ANNUAL COST	\$10,645.69

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 additional questions regarding this report, please contact RICK KOCH at (561) 726-5662.


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 50 - PLANT: EAST WELL #2
 CUST #: 0-000-2633 - SERV ACCT #: 014-8034-41
 HYDRAULIC TEST REFERENCE NUMBER: 2578

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 23, 2004 and billing history for the past 12 months.

It is recommended and assumed that:

1. Overall plant efficiency can be improved from 51.5% to 70.0%. These improvements can save you up to 41,569 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY		IMPROVED PLANT EFFICIENCY	
	TOU-PA-SOP		TOU-PA-SOP	
	Current Rate	Current Rate	Savings	
Total kWh	157,248	115,679	41,569	
kW Input	42.0	30.9	11.1	
kWh per Acre Ft.	337	248	89	
Acre Ft. per Year	466.0	466.0		
Avg. Cost per kWh	\$0.07			
Avg. Cost per Acre Ft.	\$22.84	\$16.80	\$6.04	
Overall Plant Eff. (%)	51.5	70.0		

TOTAL ANNUAL COST	\$10,645.69	\$7,831.46	\$2,814.23	

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 additional questions regarding this report, please contact RICK KOCH at (661) 726-5662.


 DAN L. JOHNSON
 Manager
 Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCALL
WAGAS LAND COMPANY
4906 INDIANOLA WAY
LA CANADA, CA 91011-2650

SUBJECT: HYDRAULIC TEST RESULTS - WEST WELL #3
3310 W AVENUE A
CUST #: 0-006-1729 - SERV ACCT #: 003-6970-34
DATE OF TEST: August 24, 2004

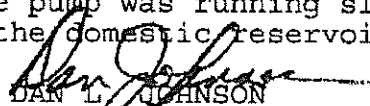
In accordance with your request, a test was made on your turbine well pump on the date listed above. If you have any questions regarding the results which follow, please contact RICK KOCH at (661)726-5662.

EQUIPMENT

PUMP: L & B NO: 21847
MOTOR: US NO: 1025182 60 HP
METER: O728K-1297
HYDRAULIC TEST REFERENCE NUMBER: 2579

TEST RESULTS	TEST 1	TEST 2
Discharge Pressure, PSI	0.9	44.0
Standing Water Level, Ft.	141.8	141.8
Drawdown, Ft.	39.6	22.1
Discharge Head, Ft.	2.1	101.6
Pumping Water Level, Ft.	181.4	163.9
Total Head, Ft.	183.5	265.5
Capacity, GPM	878.0	322.0
GPM per Ft. Drawdown	22.2	14.6
Acre Ft. Pumped in 24 Hrs.	3.881	1.423
kW Input to Motor	60.7	52.0
HP Input to Motor	81.4	69.7
Motor Load (%)	122.1	104.6
Measured Speed of Pump, RPM	1,777	
kWh per Acre Ft.	375	877
Overall Plant Efficiency (%)	50.0	31.0

The above test results indicate various operating conditions of this pump. Test #1 the pump was running slightly throttled. Test #2 the pump was filling the domestic reservoir.


DAN L. JOHNSON
Manager
Hydraulic Services



SOUTHERN CALIFORNIA EDISON

CONFIDENTIAL/PROPRIETARY INFORMATION

August 27, 2004

ATTN: ED WOPSCHALL
 WAGAS LAND COMPANY
 4906 INDIANOLA WAY
 LA CANADA, CA 91011-2650

SUBJECT: PUMPING COST ANALYSIS - HP: 60 - PLANT: WEST WELL #3
 CUST #: 0-006-1729 - SERV ACCT #: 003-6970-34
 HYDRAULIC TEST REFERENCE NUMBER: 2579

The following Pumping Cost Analysis is presented as an aid to your cost accounting. This analysis is an estimate prepared from operating criteria supplied from the Edison Pump Test performed August 24, 2004 and billing history for the past 12 months.

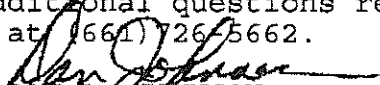
It is recommended and assumed that:

1. Overall plant efficiency can be improved from 50.0% to 70.0%. These improvements can save you up to 55,684 kWh annually.
2. Water requirements will be the same as for the past year.
3. 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.

	EXISTING PLANT EFFICIENCY		IMPROVED PLANT EFFICIENCY	
	TOU-PA-SOP	TOU-PA-SOP	TOU-PA-SOP	Savings
	Current Rate	Current Rate		
Total kWh	194,724	139,040		55,684
kW Input	60.7	43.3		17.4
kWh per Acre Ft.	375	268		107
Acre Ft. per Year	518.6	518.6		
Avg. Cost per kWh	\$0.07			
Avg. Cost per Acre Ft.	\$25.44	\$18.16		\$7.27
Overall Plant Eff. (%)	50.0	70.0		
TOTAL ANNUAL COST	\$13,192.55	\$9,419.95		\$3,772.60

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 additional questions regarding this report, please contact RICK KOCH at (661) 726-5662.


 DAN L. JOHNSON
 Manager
 Hydraulic Services

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PROOF OF SERVICE


I am over the age of eighteen and not a party to the within action. I am employed by Hanna and Morton LLP in the County of Los Angeles, State of California. My business address is 444 South Flower Street, Suite 1500, Los Angeles, CA 90071-2916.

On December 21, 2012, I served the following document(s) in the *Antelope Valley Groundwater Adjudication* Cases, JCCP No. 4408, described as: **WAGAS LAND COMPANY LLC RESPONSE TO DISCOVERY ORDER FOR PHASE 4 TRIAL**

on the interested parties in this action, by posting the document(s) listed above to the Santa Clara County Superior Court e-filing website (<http://www.scefiling.org>) under the Antelope Valley Groundwater matter pursuant to the Court's Order dated October 27, 2005.

Executed on December 21, 2012, at Los Angeles, California.

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



Sylvia Santos