



TOWN OF DISCOVERY BAY
A COMMUNITY SERVICES DISTRICT



President – Bill Mayer • Vice-President – Bill Pease • Director – Kevin Graves • Director – Robert Leete • Director – Bryon Gutow

**TOWN OF DISCOVERY BAY
COMMUNITY SERVICES DISTRICT
AGENDA PACKET**

**Regular Board Meeting
Wednesday, February 6, 2019**

7:00 P.M. Regular Board Meeting

**Community Center
1601 Discovery Bay Boulevard**



TOWN OF DISCOVERY BAY

A COMMUNITY SERVICES DISTRICT

SDLF Gold-Level of Governance



President – Bill Mayer • Vice-President – Bill Pease • Director – Kevin Graves • Director – Robert Leete • Director – Bryon Gutow

**NOTICE OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
OF THE TOWN OF DISCOVERY BAY**

Wednesday February 6, 2019

REGULAR MEETING 7:00 P.M.

Community Center

1601 Discovery Bay Boulevard, Discovery Bay, California

Website address: www.todb.ca.gov

REGULAR MEETING 7:00 P.M.

A. ROLL CALL AND PLEDGE OF ALLEGIANCE

1. Call business meeting to order 7:00 p.m.
2. Pledge of Allegiance.
3. Roll Call.

B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

During Public Comments, the public may address the Board on any issue within the District's jurisdiction which is not on the Agenda. The public may comment on any item on the Agenda at the time the item is before the Board for consideration by filling out a comment form. The public will be called to comment in the order the comment forms are received. Any person wishing to speak must come up and speak from the podium and will have 3 minutes to make their comment. There is a device on the podium with a green, yellow, and red light. The yellow light will come on 30 seconds before the end of the 3 minutes. There will be no dialog between the Board and the commenter as the law strictly limits the ability of Board members to discuss matters not on the agenda. We ask that you refrain from personal attacks during comment, and that you address all comments to the Board only. Any clarifying questions from the Board must go through the President. Comments from the public do not necessarily reflect the view point of the Directors.

C. CONSENT CALENDAR

All matters listed under the CONSENT CALENDAR are considered by the District to be routine and will be enacted by one motion.

1. Approve DRAFT minutes of regular meeting for January 16, 2019.
2. Approve Register of District Invoices.
3. Approve Board Member attendance at the SDRMA "Board Member Best Practices" Training in Byron on April 18, 2019.

D. AREA AGENCIES REPORTS / PRESENTATION

1. Supervisor Diane Burgis, District III Report.
2. Sheriff's Office Report.
3. CHP Report.
4. East Contra Costa Fire Protection District Report.

E. LIAISON REPORTS

F. PRESENTATIONS

1. Terracon Report on Pool Expansion Site Assessment and Geotech Report.

G. BUSINESS AND ACTION ITEMS

1. Discussion and Possible Action Related to Well 4A and Well 2 Rehabilitation.

H. MANAGER'S REPORT

I. DIRECTORS' REPORTS

1. Standing Committee Reports.
 - a. Water and Wastewater Committee Meeting – January 17, 2019.
 - b. Contra Costa Special Districts Association Meeting – January 28, 2019.
 - c. Communications Committee Meeting – February 6, 2019.
 - d. AB1234 Ethics Training.
 - e. AB1825 Harassment Training.
 - f. State of the Town Gala.
2. Other Reportable Items.

J. GENERAL MANAGER'S REPORT

K. CORRESPONDENCE RECEIVED

L. FUTURE AGENDA ITEMS

M. OPEN SESSION DISCLOSURE OF CLOSED SESSION AGENDA

(Government Code Section 54957.7)

N. CLOSED SESSION:

1. Public Employee Performance Evaluation pursuant to Government Code 54957 (Position: General Manager)
2. Conference with Labor Negotiator Pursuant to Government Code Section 54957.6
Agency Designated Representative: Bill Mayer/Rod Attebery
Unrepresented Employee: General Manager

O. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

(Government Code Section 54957.1)

P. ADJOURNMENT

1. Adjourn to the next regular meeting of February 20, 2019 beginning at 7:00 p.m. at the Community Center located at 1601 Discovery Bay Boulevard.

"This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the American with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code § 54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact the Town of Discovery Bay, at (925) 634-1131, during regular business hours, at least forty-eight hours prior to the time of the meeting."

"Materials related to an item on the Agenda submitted to the Town of Discovery Bay after distribution of the agenda packet are available for public inspection in the District Office located at 1800 Willow Lake Road during normal business hours."



TOWN OF DISCOVERY BAY

A COMMUNITY SERVICES DISTRICT



President – Bill Mayer • Vice-President – Bill Pease • Director – Kevin Graves • Director – Robert Leete • Director – Bryon Gutow

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
OF THE TOWN OF DISCOVERY BAY**

Wednesday January 16, 2019

REGULAR MEETING 7:00 P.M.

Community Center

1601 Discovery Bay Boulevard, Discovery Bay, California

Website address: www.todb.ca.gov

REGULAR MEETING 7:00 P.M.

A. ROLL CALL AND PLEDGE OF ALLEGIANCE

1. Call business meeting to order 7:00 p.m. – By President Graves.
2. Pledge of Allegiance – Led by President Graves.
3. Roll Call – All Present.

B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

Public Comment Regarding:

- East Contra Costa Fire Protection District Liaison Carrie Nash introduced herself.
- P6 Meeting regarding License Plate Readers and pylons for traffic flow near Safeway.

C. CONSENT CALENDAR

All matters listed under the CONSENT CALENDAR are considered by the District to be routine and will be enacted by one motion.

1. Approve DRAFT minutes of regular meeting for December 19, 2018.
2. Approve Register of District Invoices.
3. Approve Board Officers for Calendar Year 2019.

Motion by: Director Pease to approve the Consent Calendar.

Second by: Director Leete

Vote: Motion Carried – AYES: 5, NOES: 0

D. PRESENTATIONS

1. Award Presented to Former Board President Kevin Graves.
President Mayer presented a Gavel Plaque to 2018 Board President Graves. Pictures were taken.

E. MONTHLY WATER AND WASTEWATER REPORT – VEOLIA

1. Veolia Report – Month of December.
Project Manager Sadler – Provided the details of the December 2018 Monthly Operations Report.

F. BUSINESS AND ACTION ITEMS

1. Discussion and Possible Action Related to Board Member Appointments to Standing Committees.
General Manager Davies – Provided the details of Board Member appointments to Standing Committees for a 2-year term.

Standing Committee Appointments

<u>Standing Committee Name</u>	<u>Director Appointed</u>	<u>Director Appointed</u>
Water and Wastewater	Bill Mayer	Bill Pease
Parks and Recreation	Kevin Graves	Bryon Gutow
Finance	Robert Leete	Bill Mayer
Communications	Bill Pease	Bryon Gutow
Internal Operations	Kevin Graves	Robert Leete

2. Discussion and Possible Action Related to Board Member Appointments to Regional Committees. General Manager Davies – Provided the details of Board Member appointments to Regional Committees. There was discussion regarding the role for the Regional Committee meetings.

Regional Committee Appointments

<u>Regional Committee Name</u>	<u>Director Appointed</u>	<u>Alternate</u>
East Contra Costa Fire Protection District	Bill Mayer	Kevin Graves
Regional Transportation Agencies	Bill Pease	Kevin Graves
Police Services (P6 Committee)	Kevin Graves	Bryon Gutow
East County Water Management	Robert Leete	Bill Pease
Contra Costa County Aviation Advisory	Bryon Gutow	Bill Mayer
School District Representative Liaison	Bill Mayer	Bill Pease
LAFCO Liaison	Bill Pease	Bill Mayer
Contra Costa Special Districts	Kevin Graves	Robert Leete
Code Enforcement	Robert Leete	Bryon Gutow

3. Discussion and Possible Action Regarding the Annual Board Workshop for 2019. General Manager Davies – Provided the details regarding the Annual Board Workshop for 2019. The recommended date for the Board Workshop for 2019 is Thursday, March 7, 2019 at 4:00 p.m. at the Community Center.

Motion by: Director Graves to set date and time for 2019 Annual Board Workshop for March 7, 2019 at 4:00pm.

Second by: Director Leete

Vote: Motion Carried – AYES: 5, NOES: 0

Legal Counsel Pinasco – Stated that counsel can be present at the Board Workshop if needed.

4. Discussion and Possible Action Regarding Luhdorff & Scalmanini Scope of Work for Well No. 8 Assessment.

General Manager Davies – Provided the details regarding the scope of work for the Well No. 8 Assessment. District Water Engineer Shobe – Provided additional details regarding the Well No. 8 assessment and the 3 projects 1) Well No. 8 (replacement for Well 5A; 2) New Storage Tank (Newport Water Treatment Plant); 3) Filter Project (Willow Lake Water Treatment Plant). There was discussion regarding the need for Well No. 8 assessment.

Motion by: Director Graves to authorize the General Manager to sign a contract with the water consultant, Luhdorff & Scalmanini Consulting Engineers, to conduct a \$20,000 cost saving engineering study on Well 8.

Second by: Director Leete

Vote: Motion Carried – AYES: 5, NOES: 0

5. Discussion and Possible Action Regarding a Plaque in Memory of Bob Abbadie being placed at the Community Center BBQ Area.

General Manager Davies – Provided the details regarding a plaque in memory of Bob Abbadie placed at the Community Center BBQ area.

Motion by: Director Pease to approve the placement of a plaque in memory of Bob Abbadie at the Discovery Bay Community Center BBQ area.

Second by: Director Graves.

There was discussion regarding the vote; Director Gutow to recuse from the vote.

Legal Counsel Pinasco – Stated that the vote for Director Gutow is to recuse.

Vote: Motion Carried – AYES: 4 – President Mayer, Vice-President Pease, Director Graves, Director Leete; RECUSE: 1 - Director Gutow.

G. INFORMATIONAL ITEMS ONLY

H. DIRECTORS' REPORTS

1. Standing Committee Reports.

a. Water and Wastewater Committee Meeting – December 20, 2018.

Director Pease and Director Graves – Provided the details of the Water and Wastewater meeting.

2. Other Reportable Items – None.

I. MANAGER'S REPORT

1. Assembly Bill 606 and Assembly Bill 1668 Water Management Planning

Water and Wastewater Manager Koehne provided the details regarding Assembly Bill 606 and Assembly Bill 1668. There was discussion regarding the Assembly Bills.

Legal Counsel Pinasco – Provided details regarding the Assembly Bills.

J. GENERAL MANAGER'S REPORT

None.

K. CORRESPONDENCE RECEIVED

1. Received – Letter from Charles W. Helfrick regarding PG&E Funds dated December 18, 2018.
2. Received – Contra Costa County Aviation Advisory Committee meeting minutes for November 8, 2018.
3. Received – Contra Costa County Aviation Advisory Committee meeting minutes for December 13, 2018.
4. Received – Discovery Bay P6 Citizen Advisory Committee meeting minutes for October 24, 2018.

L. FUTURE AGENDA ITEMS

None.

The regular meeting adjourned at 7:37 p.m. to the Closed Session.

M. OPEN SESSION DISCLOSURE OF CLOSED SESSION AGENDA

(Government Code Section 54957.7)

Legal Counsel Pinasco - The Board is now adjourning into closed session regarding item N-1.

N. CLOSED SESSION:

1. Conference with Legal Counsel - Anticipated Litigation Pursuant to Government Code Section 54956.9(b)
One Potential Case.

O. RETURN TO OPEN SESSION; REPORT ON CLOSED SESSION

(Government Code Section 54957.1)

Legal Counsel Pinasco - Reporting from Closed Session on item N-1 and there is no reportable action.

P. ADJOURNMENT

1. The meeting adjourned at 7:43 p.m. to the regular meeting on February 6, 2019 beginning at 7:00 p.m. at the Community Center located at 1601 Discovery Bay Boulevard.

//cmc – 01-17-19

<http://www.todb.ca.gov/agendas-minutes>



Town of Discovery Bay

"A Community Services District"

STAFF REPORT

Meeting Date

February 6, 2019

Prepared By: Dina Breitstein, Finance Manager & Lesley Marable, Accountant
Submitted By: Michael R. Davies, General Manager

MRD

Agenda Title

Approve Register of District Invoices.

Recommended Action

Staff recommends that the Board approve the listed invoices for payment.

Executive Summary

District invoices are paid on a regular basis, and must obtain Board authorization prior to payment. Staff recommends Board authorization in order that the District can continue to pay warrants in a timely manner.

Fiscal Impact:

Amount Requested \$ 214,389.18

Sufficient Budgeted Funds Available?: Yes (If no, see attached fiscal analysis)

Prog/Fund # See listing of invoices. **Category:** Operating Expenses and Capital Improvements

Previous Relevant Board Actions for This Item

Attachments

Request For Authorization to Pay Invoices for the Town of Discovery Bay CSD 2018/2019.

AGENDA ITEM: C-2

For The Meeting On February 6, 2019
Town of Discovery Bay CSD
For Fiscal Year's 7/18 - 6/19

Pacific Gas & Electric	\$62,003.11
J.W. Backhoe & Construction, Inc.	\$35,089.89
Terracon Consultants, Inc.	\$26,690.00
Town of Discovery Bay, CSD	\$23,102.34
U.S. Bank Corporate Payment System	\$13,747.98
Luhdorff & Scalmanini	\$11,867.83
Stantec Consulting Services Inc	\$11,367.50
Brentwood Press & Publishing	\$4,838.00
County of Contra Costa Public Works Dept	\$3,988.76
Harris & Associates, Inc.	\$3,712.50
Freedom Mailing Service, Inc	\$2,676.39
Water Utility Customer	\$2,218.10
Tee Janitorial & Maintenance	\$2,054.00
SDRMA	\$1,420.64
TASC	\$1,233.31
City Of Brentwood	\$1,034.00
ECS Imaging, Inc.	\$900.00
Univar	\$776.29
Contra Costa Health Services	\$730.00
Aflac	\$705.02
Matrix Trust	\$685.24
Underground Service Alert	\$549.83
Office Depot	\$517.90
Comcast	\$406.32
Watersavers Irrigation Inc.	\$375.24
Contra Costa County	\$326.38
ReliaStar Life Insurance Company	\$275.00
Ricoh USA, Inc	\$248.73
Cintas	\$210.41
UniFrist Corporation	\$180.36
Alhambra	\$138.49
Discovery Pest Control	\$138.00
Shred-It USA-Concord	\$60.99
County Of Contra Costa, Dept of Info Tec	\$54.00
Michael Davies	\$46.63
Community Center Refund Customer	\$20.00
	\$214,389.18



Town of Discovery Bay

"A Community Services District"

STAFF REPORT

Meeting Date

February 6, 2019

Prepared By: Michael R. Davies, General Manager
Submitted By: Michael R. Davies, General Manager

MRD

Agenda Title

Approve Board Member attendance at the SDRMA "Board Member Best Practices" Training in Byron on April 18, 2019.

Recommended Action

Authorize Members of the Board of Directors to attend SDRMA "Board Member Best Practices" training at Byron Bethany Irrigation District in Byron on April 18, 2019.

Executive Summary

SDRMA training on "Board Member Best Practices" will take place at Byron Bethany Irrigation District in Byron on April 18, 2019 from 9:00am – 1:00pm. As the Town is a member of the Special District Risk Management Authority (SDRMA), there is no cost to attend the training.

Course Description: This fast paced and informative session covers all of the essential best practices of serving as a Board Member or trustee of a Special District: the roles of Board Members and Staff, policies and procedures your District should consider ensuring effective governance, and general ethics principles related to Special Districts including an overview of the laws affecting Special Districts.

Pursuant to Government Code §61047(e) (5), the Board must previously authorize a Board Member's presence at a training program. The Board Member must also deliver a written report at the next available meeting concerning the training session(s) attended. Pursuant to this section, Board Members are permitted a stipend for attending this conference.

Previous Relevant Board Actions for This Item

Attachments

AGENDA ITEM: C-3



Town of Discovery Bay

"A Community Services District"

STAFF REPORT

Meeting Date

February 6, 2019

Prepared By: Justin Shobe, District Water Engineer
Submitted By: Michael R. Davies, General Manager

MRD

Agenda Title

Discussion and Possible Action Related to Well 4A and Well 2 Rehabilitation.

Recommended Action

Approve an increase to the CIP Budget of \$50,000 to purchase required pump equipment in Wells 4A and 2 and complete the well rehabilitation process.

Executive Summary

The rehabilitation programs of the District's Well 4A and Well 2 are currently underway. Well 4A is 23 years old and is a critical supply well for Newport WTP. Well 2 is 47 years old and has historically been a reliable small capacity producer with minimal maintenance needs. The current rehabilitation is addressing maintenance needs identified during the bi-annual testing program in 2017. The intent of the rehabilitation was to clean the well structures and repair or replace the equipment necessary to restore capacity and efficiency. The full scope of the maintenance needs could not be assessed until the pumps were pulled from the wells. Therefore, the bids from the Contractors included cost line items to address the minimum necessary rehabilitation work, and optional cost line items were included to address additional work that may be needed.

After the pumps were pulled, staff evaluated the conditions. Generally, there was extensive corrosion and fatigue of the pump equipment (columns and bowls) that reflects the 20-years of service of these pumps. The electrical motors in both wells are in sufficient condition to be reused. Staff evaluated the risks and benefits of reusing the columns and bowls and concluded that replacing these components is the better option. The new components must also comply with a recent drinking water standard (ANSI/NSF 61) that requires an epoxy coating system to be applied.

Both well structures appear to be in reasonable condition. By installing new pump equipment this will allow another 10 or more years before the next maintenance cycle, assuming the well structures maintain suitable performance.

The total CIP Budget for the Well 4A and Well 2 Rehabilitations is: \$150,000.

The estimated cost of the project, after all recommended equipment purchases are made, will be: \$190,836

The total estimated budget overage is: -\$40,836

The Well 4A cleaning process is completed, but Well 2 is still underway. An increase of \$50,000 is recommended to allow staff to authorize the new equipment purchases and to provide a reserve of funds to address additional labor time of the Well Contractor that may be needed to properly clean the wells.

Previous Relevant Board Actions for This Item

November 7, 2018 – Award of Bid.

Attachments

Budget Summary.
Well and Pump Bid Prices.
Pump Final Costs.

AGENDA ITEM: G-1

1. Budget Summary

BUDGET ANALYSIS FOR WELL 4A AND WELL 2 REHAB PROJECTS

(1/31/19)

Well 4A

	Base Cost	Revised Costs	Difference	Reason for cost changes
Engineering	25,530	25,530	0	no change
Pump Contractor	15,660	42,539	26,879	New bowls, new NSF 61 column pipe,
Well Contractor	43,582	43,582	0	(Well price changes are not known yet, rehab still occurring)
Total	84,772	111,651	26,879	
CIP Budget	75,000	75,000		
Budget Surplus/Deficit (+/-)	-9,772	-36,651		

Well 2

	Base Cost	Revised Costs	Difference	Reason for cost changes
Engineering	0	5,000	5,000	Assessing material options, and overseeing Well 2 rehab (out of scope)
Pump Contractor	51,635	59,593	7,958	Upgrade column to coated pipe per DDW requirement
Well Contractor	14,592	14,592	0	(Well price changes are not known yet, rehab still occurring)
Total	66,227	79,185	12,958	
CIP Budget	75,000	75,000		
Budget Surplus/Deficit (+/-)	8,773	-4,185		

Budgets combined for Well 2 and Well 4A

	Base Cost	Revised Costs
Total	150,999	190,836
CIP Budgets	150,000	150,000
Budget Surplus/Deficit (+/-)	-999	-40,836

2. Original Bid Price - Well

WELL CONTRACTOR BID PRICES Well 4A Rehabilitation and Well 2 Maintenance Programs - October 8, 2018 Contractor: Roadrunner Drilling & Pump Company, Inc				
BID SCHEDULE A - WELL 4A REHABILITATION	Units	Estimated Quantity	Unit Price	Total Cost
#1 – Mobilization	Lump Sum	1	\$ 20,000	\$ 20,000
#2 – Chemical Mixing Tank (1,000 gal.)	Lump Sum	1	\$ 500	\$ 500
#3 – Chemical Mixing, Placement, Brushing and Bailing	Hours	45	\$ 195	\$ 8,775
#4 – Swab/Airlift Development	Hours	16	\$ 210	\$ 3,360
#5 – Hydrochloric Acid (material only)	Gallons	689	\$ 8	\$ 5,512
#6 – Well Renew (material only)	Gallons	70	\$ 72	\$ 5,040
#7 – Ammonium Bifluoride (material only)	Pounds	39	\$ 5	\$ 195
#8 – Soda Ash (material only)	Pounds	100	\$ 2	\$ 200
WELL 4A REHABILITATION TOTAL				\$ 43,582
BID SCHEDULE B – WELL 2 MAINTENANCE	Units	Estimated Quantity	Unit Price	Total Cost
#1 – Mobilization	Lump Sum	1	\$ 8,000	\$ 8,000
#2 – Chemical Placement, Brushing and Bailing	Hours	16	\$ 195	\$ 3,120
#3 – Swab/Airlift Development	Hours	16	\$ 210	\$ 3,360
#4 – Hydrochloric Acid (material only)	Gallons	4	\$ 8	\$ 32
#5 – Sodium Hypochlorite 12-1/2 Percent (material only)	Gallons	16	\$ 5	\$ 80
WELL 2 MAINTENANCE TOTAL				\$ 14,592

2. Original Bid Price - Pump

PUMP CONTRACTOR BID PRICES					
Well 4A Pump Maintenance and Well 2 Pump Replacement					
Contractor: Kirby's Pump & Mechanical					
Well 4A Pump Maintenance (minimum required)		Units	Estimated Quantity	Unit Price	Total Cost
#1 Pump Removal and Inspection	Lump Sum	1	\$ 3,800	\$ 3,800	
#2 Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100	
#3 Pump Re-installation with 80-ft additional column and cable splice	Lump Sum	1	\$ 10,760	\$ 10,760	
<i>Well 4A Total minimum</i>				\$ 15,660	
Optional Items		Units	Estimated Quantity	Unit Price	Total Cost
#4 Re-Build Bowl Assembly (ADD ON)	Lump Sum	1	\$ 6,238	\$ 6,238	
#5 All New Cable if old cable is unsuitable (ADD ON)	Lump Sum	1	\$ 7,120	\$ 7,120	
#6 Replace Column Pipe 10-inch x 20ft (ADD ON per piece)	each piece	1	\$ 1,310	\$ 1,310	
#7 Coated Column Pipe for NSF 61 (ADD ON per piece)	Lump Sum	1	\$ 850	\$ 850	
<i>Well 4A Total with re-build bowls (#4)</i>				\$ 21,898	
<i>Well 4A Total with re-build bowls and new cable (#4, 5)</i>				\$ 29,018	
<i>Well 4A Total with rebuild bowls, new cable, and all new coated column (9 pieces)</i>				\$ 51,858	
1. New Pump Bowl cost not provided (approx \$15K, possible lead time)					
2. New motor cost not provided; anticipating good condition (approx \$80K for new with possible lead time)					
Well 2 Pump Replacement (pump-only)		Units	Estimated Quantity	Unit Price	Total Cost
#1 Remove Pump and Bail Oil	Lump Sum	1	\$ 3,900	\$ 3,900	
#2 Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100	
#3 New Bowl Assembly 850 GPM @ 200 ft TDH (NSF 61 compliant)	Each	1	\$ 8,478	\$ 8,478	
#4 Column Pipe 8-inch: 21 x 10-ft pcs and 2 x 5-ft pcs, non-coated	Pieces	23	\$ 540	\$ 12,420	
#5 Lineshaft 416SS 1.5-inch x 220-ft and Spider Bearings (water lubricated)	Pieces	23	\$ 525	\$ 12,075	
#6 Modify Discharge Head (convert oil-lube to water-lube)	Lump Sum	1	\$ 2,362	\$ 2,362	
#7 Recondition Existing 100 HP Motor	Lump Sum	1	\$ 4,670	\$ 4,670	
#8 Pump Installation	Lump Sum	1	\$ 4,200	\$ 4,200	
#9 Pre-Lube System for Water Lubrication	Lump Sum	1	\$ 2,430	\$ 2,430	
<i>Well 2 Total minimum (pump only)</i>				\$ 51,635	
Optional Items		Units	Estimated Quantity	Unit Price	Total Cost
#10A Upgrade to Soft Start, Breakers and Heaters (ADD ON)	Lump Sum	1	\$ 23,649.00	\$ 23,649.00	
#10 Epoxy Coated Column Pipe for NSF 61 Certified (in lieu of #4)	Pieces	23	\$ 886	\$ 20,378	
#11 New Electrical Panel, Soft Start, breakers (ADD ON)	Lump Sum	1	\$ 33,460	\$ 33,460	
#12 New Premium Eff. 60 HP Motor (in lieu of #7)	Lump Sum	1	\$ 6,170	\$ 6,170	
#13 New Discharge Head (in lieu of #6)	Lump Sum	1	\$ 5,125	\$ 5,125	
#14 Vesconite Bearing	Each	1	\$ 123	\$ 123	
#14 Remove and Dispose Diesel Engine	Lump Sum	1	\$ 4,670	\$ 4,670	
<i>Well 2 Total with coated column for NSF 61 compliance (#10)</i>				\$ 59,593	
<i>Well 2 Total with coated column, new panel, motor, discharge head (#10, 11, 12, 13)</i>				\$ 97,316	
<i>Well 2 Total with all optional items (#10, 11, 12, 13, 14)</i>				\$ 101,986	

3. Pump Final Costs

PUMP CONTRACTOR BID PRICES - Final Quantities and Selections (01/24/19)

Well 4A Pump Maintenance and Well 2 Pump Replacement

Contractor: Kirby's Pump & Mechanical

Well 4A Pump Maintenance (minimum required)	Units	Quantity	Unit Price	Total Cost
#1 Pump Removal and Inspection	Lump Sum	1	\$ 3,800	\$ 3,800
#2 Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100
#3 Pump Re-installation with 80-ft additional column and cable splice	Lump Sum	0	\$ 10,760	\$ -
<i>Well 4A Total minimum</i>				\$ 4,900
Optional Items	Units	Quantity	Unit Price	Total Cost
#4 Re-Build Bowl Assembly (ADD ON)	Lump Sum	0	\$ 6,238	\$ -
#5 All New Cable if old cable is unsuitable (ADD ON)	Lump Sum	0	\$ 7,120	\$ -
#6 Replace Column Pipe 10-inch x 20ft (ADD ON per piece)	each piece	11	\$ 1,310	\$ 14,410
#7 Coated Column Pipe for NSF 61 (ADD ON per piece)	Lump Sum	11	\$ 850	\$ 9,350
#8 (added0) New 1800 gpm Bowl Assembly NSF 61 Certified	Lump Sum	1	\$ 13,304	\$ 13,304
#9 (added0) splice cable for 40 feet extension	Lump Sum	1	\$ 575	\$ 575
<i>Well 4A Optional Item Selections Total</i>				\$ 37,639
<i>Well 4A Total With Minimum + Optional Items</i>				\$ 42,539
1. New Pump Bowl cost not provided (approx \$15K, possible lead time)				
2. New motor cost not provided; anticipating good condition (approx \$80K for new with possible lead time)				
Well 2 Pump Replacement (pump-only)	Units	Quantity	Unit Price	Total Cost
#1 Remove Pump and Bail Oil	Lump Sum	1	\$ 3,900	\$ 3,900
#2 Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100
#3 New Bowl Assembly 850 GPM @ 200 ft TDH (NSF 61 compliant)	Each	1	\$ 8,478	\$ 8,478
#4 Column Pipe 8-inch: 21 x 10-ft pcs and 2 x 5-ft pcs, non-coated	Pieces	0	\$ 540	\$ -
#5 Lineshaft 416SS 1.5-inch x 220-ft and Spider Bearings (water lubricated)	Pieces	23	\$ 525	\$ 12,075
#6 Modify Discharge Head (convert oil-lube to water-lube)	Lump Sum	1	\$ 2,362	\$ 2,362
#7 Recondition Existing 100 HP Motor	Lump Sum	1	\$ 4,670	\$ 4,670
#8 Pump Installation	Lump Sum	1	\$ 4,200	\$ 4,200
#9 Pre-Lube System for Water Lubrication	Lump Sum	1	\$ 2,430	\$ 2,430
<i>Well 2 Total minimum (pump only)</i>				\$ 39,215
Optional Items	Units	Quantity	Unit Price	Total Cost
#10A Upgrade to Soft Start, Breakers and Heaters (ADD ON)	Lump Sum	0	\$ 23,649.00	\$ -
#10 Epoxy Coated Column Pipe for NSF 61 Certified (in lieu of #4)	Pieces	23	\$ 886	\$ 20,378
#11 New Electrical Panel, Soft Start, breakers (ADD ON)	Lump Sum	0	\$ 33,460	\$ -
#12 New Premium Eff. 60 HP Motor (in lieu of #7)	Lump Sum	0	\$ 6,170	\$ -
#13 New Discharge Head (in lieu of #6)	Lump Sum	0	\$ 5,125	\$ -
#14 Vesconite Bearing	Each	0	\$ 123	\$ -
#14 Remove and Dispose Diesel Engine	Lump Sum	0	\$ 4,670	\$ -
<i>Well 2 Optional Item Selections Total</i>				\$ 20,378
<i>Well 2 Total With Minimum + Optional Items</i>				\$ 59,593
<i>Total Well 4A and Well 2 Pump Upgrades</i>				\$ 102,132