



Mission statement of McKinleyville Community Services District:
"Provide McKinleyville with safe and reliable water, wastewater, lighting, open space, parks and recreation, and library services in an environmentally and fiscally responsible manner."

**NOTICE IS HEREBY GIVEN THAT A REGULAR MEETING OF THE
MCKINLEYVILLE COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS
WILL BE HELD
WEDNESDAY, SEPTEMBER 7, 2016 AT 7:00 pm
Azalea Hall, 1620 Pickett Road
McKinleyville, California**

AGENDA

A. CALL TO ORDER

A.1 Roll Call

A.2 Pledge of Allegiance

A.3 Additions to the Agenda

Items may be added to the Agenda in accordance with Section 54954.2(b)(2) of the Government Code (Brown Act), upon a determination by two-thirds vote of the members of the legislative body present at the time of the meeting, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the McKinleyville Community Services District after the Agenda was posted.

A.4 Approval of the Agenda

A.5 Closed Session Discussion

At any time during the regular session, the Board may adjourn to closed session to consider existing or anticipated litigation, liability claims, real property negotiations, license and permit determinations, threats to security, public employee appointments, personnel matters, evaluations and discipline, labor negotiations, or to discuss with legal counsel matters within the attorney-client privilege.

NO CLOSED SESSION SCHEDULED

B. PUBLIC HEARINGS

These are items of a Quasi-Judicial or Legislative nature. Public comments relevant to these proceedings are invited.

No Public Hearings Scheduled

C. PUBLIC COMMENT AND WRITTEN COMMUNICATIONS

Any person may address the Board at this time upon any subject not identified on this Agenda but within the jurisdiction of the McKinleyville Community Services District; however, any matter that requires action will be referred to staff for a report of action at a subsequent Committee or Board meeting. As to matters on the

Agenda, an opportunity will be given to address the Board when the matter is considered. Comments are limited to 3 minutes. Letters should be used for complex issues.

D. CONSENT CALENDAR

Consent Calendar items are expected to be routine and non-controversial, to be acted upon by the Board of Directors at one time without discussion. If any Board member, staff member, or interested person requests that an item be removed from the Consent Calendar, it shall be removed so that it may be acted upon separately.

- D.1 Consider Approval of the Minutes of the Board of Directors Regular Meeting of August 6, 2016 **Pg. 4**
Attachment 1 – Draft Minutes from August 6, 2016 **Pg. 5**
- D.2 Consider approval of July 2016 Treasurer's Report **Pg. 9**
- D.3 DCV Violations this Month – No violations this month

E. CONTINUED AND NEW BUSINESS

- E.1 Vangari Variance Request Regarding Leak Adjustment Policy **Pg. 32**
Attachment 1 – Signed Investigation Variance Request **Pg. 35**
Attachment 2 – Summary of contact with Vangari's regarding leak **Pg. 36**
Attachment 3 – Vangari account history **Pg. 37**
Attachment 4 – Processed water leak adjustment application **Pg. 38**
Attachment 5 – Leak Adjustment Calculation on July 2016 use **Pg. 42**
- E.2 Approve Resolution 2016 –15 Calling for an election to fill a vacant board seat at the established election date on March 7, 2017 **Pg. 43**
Attachment 1 – Resolution 2016-15 **Pg. 45**
Attachment 2 – Notice to Elections Officer **Pg. 48**
- E.3 Annual Board Self-Evaluation review and discussion **Pg. 49**
Attachment 1 – Summary of Board Self-Evaluation Worksheets **Pg. 50**
- E.4 Approve Blastco, Inc. as the successful bidder related to bids received for the Cochran Tank 1B painting Request for Proposals (RFP), including budget amendment to Fiscal Year 2016/2017 and authorize Board President to execute construction contract **Pg. 52**
Attachment 1 – Blastco, Inc. Proposal to MCSD Board of Directors **Pg. 55**
Attachment 2 – Advanced Industrial Services, Inc. Proposal to MCSD Board of Directors **Pg. 56**
Attachment 3 – Crosno Construction, Inc. Proposal to MCSD Board of Directors **Pg. 57**
Attachment 4 – Bay Area Coating Consultants, Inc. Proposal to MCSD Board of Directors **Pg. 58**
Attachment 5 – Bay Area Coating Consultants, Inc. Professional Services Agreement **Pg. 59**
Attachment 6 – Blastco, Inc. Professional Services Agreement **Pg. 81**

- E.5 Approve Budget Modification for McKinleyville Teen and Community Center Kitchen Equipment **Pg. 125**
Attachment 1 –Castino Restaurant Equipment and Supply Proposal to MCSD
Board of Directors **Pg. 127**

F. REPORTS

No specific action is required on these items, but the Board may discuss any particular item as required.

F.1 ACTIVE COMMITTEE REPORTS

- a. Recreation Advisory Committee (Wheeler/Couch)
- b. Area Fund (John Kulstad)
- c. Redwood Region Economic Development Commission (Mayo/Wheeler)
- d. McKinleyville Senior Center Advisory Committee (Wheeler, Mayo)
- e. Audit (Corbett/Couch)
- f. Employee Negotiations (Couch/Corbett)
- g. Water Task Force (Wheeler/Corbett)
- h. AdHoc No Drugs & Toxics Down the Drain (Wheeler/Couch)
- i. McKinleyville Municipal Advisory Committee (Corbett /Wheeler)
- j. Cornerstone Committee (Couch)
- k. Groundwater Sustainability Committee (Corbett, Mayo)

F.2 STAFF REPORTS

- a. Support Services Department (Colleen M.R. Trask) **Pg. 142**
- b. Operations Department (James Henry) **Pg. 144**
- c. Parks & Recreation Department (Lesley Frisbee) **Pg. 149**
- d. General Manager (Greg Orsini) **Pg. 151**
Attachment 1 – WWMF Monthly Self-Monitoring Report **Pg. 154**

F.3 PRESIDENT'S REPORT

F.4 BOARD MEMBER COMMENTS, ANNOUNCEMENTS, REPORTS AND AGENDA ITEMS REQUESTS

G. ADJOURNMENT

Posted 5:00 pm on September 2, 2016

Pursuant to California Government Code Section 54957.5. this agenda and complete Board packet are available for public inspection on the web at McKinleyvillecsd.com/minutes or upon request at the MCSD office, 1656 Sutter Road, McKinleyville. A complete packet is also available for viewing at the McKinleyville Library at 1606 Pickett Road, McKinleyville. If you would like to receive the complete packet via email, free of charge, contact the Board Secretary at (707)839-3251 to be added to the mailing list.

McKinleyville Community Services District will, on request, make agendas available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals who need this agenda in an alternative format or who need a disability-related modification or accommodation in order to participate in the meeting should contact the Board Secretary at (707) 839-3251. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements for accommodations.

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **ACTION**

ITEM: D.1 **Consider Approval of the Minutes from the Board of Directors' Regular Meeting on July 6, 2016**

PRESENTED BY: **Gregory Orsini on behalf of David A. Baldosser, Board Secretary**

TYPE OF ACTION: **Roll Call Vote – Consent Calendar**

Recommendation:

Staff recommends that the Board review the draft minutes from the August 3, 2016 Regular Board Meeting; recommend edits and adopt.

Discussion:

The Draft Minutes are attached for the above listed meeting.

Alternatives:

Staff analysis consists of the following potential alternative

- Take No Action

Fiscal Analysis:

Not applicable

Environmental Requirements:

Not applicable

Exhibits/Attachments:

- Attachment 1 – Draft Minutes from August 3, 2016

**MINUTES OF THE REGULAR MEETING OF THE MCKINLEYVILLE COMMUNITY SERVICES
DISTRICT HELD ON WEDNESDAY, AUGUST 3, 2016 AT 7:00 PM
AZALEA HALL, 1620 PICKETT ROAD, MCKINLEYVILLE, CA**

AGENDA ITEM A CALL TO ORDER

A.1 Roll Call: The regular session of the Board of Directors of McKinleyville Community Services District convened at 7:02 pm with President Wheeler, Director Couch and Director Mayo present. Director Corbett was absent at roll call; he arrived at 7:30 p.m. during Item E.1. He remained out of the meeting until that item was completed.

George Wheeler, President
John Corbett, Director
David Couch, Director
Dennis Mayo, Director

Gregory Orsini, General Manager
Colleen M.R. Trask, Finance Director
James Henry, Operations Director
Lesley Frisbee, Recreation Director
David A. Baldosser, Board Secretary

A.2 Pledge of Allegiance: The Pledge of Allegiance was led by Director Mayo.

A.3 Additions to the Agenda: There were no additions to the agenda.

A.4 Approval of the Agenda:

MOTION: It was moved to adopt the agenda.

Motion by: Director Mayo; Second: Director Couch

There was no comment from the Board or the public.

ROLL CALL: Ayes; Couch, Mayo and Wheeler. Nays; none Absent; Corbett,

MOTION SUMMARY: Motion Passed

A.5 Closed Session Discussion: There was no closed session.

AGENDA ITEM B PUBLIC HEARINGS: There were no public hearings at this meeting.

AGENDA ITEM C PUBLIC COMMENT AND WRITTEN COMMUNICATIONS: President Wheeler opened the public comment portion of the meeting.

Veen Vangari of 103 Jensen Drive addressed the Board concerning a request for an exception to the leak adjustment policy.

Operations Director James Henry introduced a new employee, Wyatt Roach to the Board.

AGENDA ITEM D CONSENT CALENDAR:

D.1 Consider approval of the Minutes of the Board of Directors' Regular Meeting of July 6, 2016

D.2 Consider approval of the June 2016 Draft Treasurer's Report

D.3 Compliance with State Double Check Valve (DCV) Law – Violations

D.4 Consider Approval of a Memorandum of Understanding between the McKinleyville Community Services District and the McKinleyville Union School District for the Kids Club After School Program.

D.5 Approve appointment of John Calkins to Recreation Advisory Committee.

MOTION: It was moved to approve the consent calendar.

Motion by: Director Mayo; Second: David Couch

There were no comments from the Board or the public.

ROLL CALL: Ayes; Couch, Mayo and Wheeler. Absent; Corbett

MOTION SUMMARY: Motion Passed

AGENDA ITEM E CONTINUED AND NEW BUSINESS:

Agenda Item E.1 Consider applicants for the Recreation Advisory Committee (RAC) and appoint regular voting members and alternates from the eligible applicants presented. This item was presented by Recreation Director Frisbee. It was noted that after the appointment of John Calkins to the RAC during the approval of the consent calendar, that there were only three spots available, one voting and two alternates. Janelle Jones withdrew her application prior to the start of the meeting. Applicants David Coelho, Kevin Collins and Greg Moss each spoke to the Board. Public Comment was offered by Chad Sefcik, a RAC member. MCSD Board members then voted on a ballot and the first round ended in a tie between Kevin Collins and Greg Moss. A 2nd ballot gave the voting membership to Greg Moss with Kevin Collins and David Coelho being approved as alternates.

Agenda Item E.2 Consider the Regular Board Meeting Dates, Time and Location for the 2017 Calendar Year. Item was presented by General Manager Orsini. Informational only. No action needed or taken.

Agenda Item E.3 Determine if Board members are interested in attending ACWA 2016 Regulatory Summit October 3-4, 2016 Hilton Sacramento Arden West Sacramento. Item was presented by Board Secretary Baldosser. Directors Mayo and Corbett commented. Public comment opened, no public comment offered, public comment closed.

Motion: Authorize any interested Board Member to attend.

Motion by: Director Mayo, Second: Director Corbett

Roll Call: Ayes; Corbett, Couch, Mayo and Wheeler Nays; none

Motion Summary: Motion Passed

Agenda Item E.4 Appoint New Vice President to MCSD Board of Directors and Board President reassign committee seats vacated by Ms. Edwards' resignation. Item presented by General Manager Orsini. Board discussion ensued. Director Corbett appointed to Employee Negotiations and Director Couch to Audit. Director Corbett is the McKinleyville Community Services District representative to the McKinleyville Municipal Advisory Committee (MMAC). Generally, if Ms. Edwards' was a primary member of a committee, the alternate will move up to primary. Director Mayo assume primary for Redwood Region Economic Development Commission and President Wheeler assumed the alternate. McKinleyville Senior Center Advisory Committee: President Wheeler assumed primary and Director Mayo remains alternate. Groundwater Sustainability Committee: Director Corbett is primary and Director Mayo is alternate.

Opened for public comment, no public comment received, closed public comment.
No additional Board member comments

Motion: Appoint Director Mayo to Vice Chair and Director Couch to be Vice Chair in 2017 per Board Rotation Schedule.

Motion by: Director Corbett, Second: Director Mayo

Roll Call: Ayes; Corbett, Couch, Mayo and Wheeler Nays; none

Motion Summary: Motion Passed

Agenda Item E.5 Determine whether the District or the candidates are going to pay for the publication of a statement of qualifications. Item presented by General Manager Orsini. Director Couch, President Wheeler and Director Mayo commented.

Public comment opened, none received, public comment closed.

Motion: Require candidates to pay all publishing costs for the candidate's statement and statements be limited to 200 words.

Motion by: Director Corbett, Second: Director Mayo

Roll Call: Ayes; Corbett, Couch, Mayo and Wheeler Nays; none

Motion Summary: Motion Passed

AGENDA ITEM F REPORTS:

F1. Active Committee Reports

- a. **Recreation Advisory Committee (Wheeler):** Mentioned the concerns about Youth Sports Organizations not fulfilling work commitments as agreed upon, causing additional expense and lost productivity from planned work. Commended Recreation Director Frisbee on her notes.
- b. **Area Fund (John Kulstad):** 2 of 7 members gone with Helen Edwards and Michael Rhodes leaving the area. Accepting applications for the vacant positions.
- c. **Redwood Region Economic Development Commission (Mayo/Wheeler (alternate)):** Met on July 25, 2016 with a state representative concerning "road tax" and the concern that the income from the tax will be "raided" for other uses.
- d. **McKinleyville Senior Center Advisory Committee (Wheeler/Mayo(alternate)):** Nothing to report
- e. **Audit (Corbett/ TBD):** Nothing to report
- f. **Employee Negotiations (Couch/ TBD):** Nothing to report
- g. **Water Task Force (Wheeler/Corbett (alternate)):** Did not meet
- h. **AdHoc No Drugs & Toxics Down the Drain (Wheeler/Couch (alternate)):** Did not meet
- i. **McKinleyville Municipal Advisory Committee (TBD /Corbett (alternate)):** Cancelled this month.
- j. **Cornerstone Committee (Couch):** Did not meet
- k. **Groundwater Sustainability Committee (Corbett, Mayo):** Working on a contract for technical advice regarding the Eel River watershed.

F.2 Staff Reports:

- a. **Support Services Department:** On site portion of the audit completed. Reserves recovery and bio-solids deposits for June were not reflected on the accounts payable report since these are “payments” to the District and are not external liabilities.
- b. **Operations Department:** Nothing further to add, pending any spelling errors. None noted.
- c. **Parks and Recreation Department:** Boys and Girls Club of the Redwoods is scheduled to start operating August 22, 2016 with regular hours Monday through Friday. Nothing further to add.
- d. **General Manager:** Camino Way Open Space Zone is the first item on the report. The information has been compiled and a resolution to the situation should be on the September 7, 2016 Board Meeting. Humboldt Bay Municipal Water District is looking at a debt re-organization plan and looking forward to that, legal counsel is on the agenda.

F. 3 President’s Report: a photograph of the solar panels on the Blue Lake Rancheria was distributed to the members of the Board. Anxious to walk the talk relating to solar energy.

F.4 Board comments, announcements, reports and agenda item requests: Director Corbett mentioned that the cost for mainline pipe repair or replacement needs to be addressed.

AGENDA ITEM G ADJOURNMENT:

Motion to Adjourn: Made at 9:04 p.m.

Moved by: Director Corbett, Second Director Mayo

Roll Call: Ayes; Corbett, Couch, Mayo and Wheeler Nays; none

Motion Summary: Motion Passed

David A. Baldosser, Board Secretary

McKinleyville Community Services District
Treasurer's Report - DRAFT
July 2016

Table of Contents

Page 2	Investments & Cash Flow Report
Page 3	Consolidated Balance Sheet by Fund
Page 4	Activity Summary by Fund with Selected Graphic Comparisons
Page 11	Capital Expenditure Report
Page 12	Summary of Long-Term Debt Report
Page 13	Reserves Graph
Page 14	Cash Disbursement Report

McKinleyville Community Services District
Investments & Cash Flow Report - DRAFT
As of July 31, 2016

Petty Cash & Change Funds 7,728.30

Cash

Operating & Money Market - Beginning Balance 1,646,340.49

Cash Receipts:

Utility Billings	469,286.55
Money Market Account Interest	173.42
Transfers from County Funds #2560, #4240, CalTRUST	-
Other Cash Receipts (incl. WWMF SRF Loan disb#01)	104,676.06

Total Cash Receipts 574,136.03

Cash Disbursements:

Transfers to County Funds #2560, #4240, CalTRUST	-
Payroll Related Expenditures	(223,180.87)
Debt Service	(72,127.74)
Capital & Other Expenditures	(1,476,593.61)

Total Cash Disbursements (1,771,902.22)

Operating & Money Market - Ending Balance 448,574.30

Total Cash 456,302.60

Investments *(Interest and Market Valuation will be re-calculated as part of the year-end close, if material)*

LAIF - Beginning Balance 129,288.82

Interest Income	-
-----------------	---

LAIF - Ending Balance 129,288.82

Humboldt Co. #2560 - Beginning Balance 815,709.77

Property Taxes and Assessments	-
Transfer to/from Operating Cash	-
Interest Income (net of adjustments)	686.56

Humboldt Co. #2560 - Ending Balance 816,396.33

Humboldt Co. #4240 - Beginning Balance 2,738,920.12

Transfer to/from Operating Cash	-
Transfer to/from Biosolids Reserve	-
Interest Income	1,742.78

Humboldt Co. #4240 - Ending Balance 2,740,662.90

Humboldt Co. #9390 - Beginning Balance 620,271.18

Reserves Recovery Deposits/Other Bal Withdrawals	48,412.65
Interest Income	-

Humboldt Co. #9390 - Ending Balance 668,683.83

USDA Bond Reserve Fund - Beginning Balance 167,474.92

Bond Reserve Payment	7,979.17
Debt Service Payment, Principal/Interest	-
Interest Adjustment	13.30

USDA Bond Reserve Fund - Ending Balance 175,467.39

Market Valuation Account (180.00)

Meas.B Loan Proceeds, Umpqua - Beginning Balance 203,680.68

Net Transfer to/from Loan Cash Holding Acct	-
Interest Income	60.54

Meas.B Loan Proceeds, Umpqua - Ending Balance 203,741.22

CalTRUST - Beginning Balance 2,007,441.66

Net Transfer to/from Catastrophe Reserves	-
Net Transfer to/from Water Fund Capacity Fees Acct	-
Interest Income/Unrealized Gain/Loss	(813.10)

CalTRUST - Ending Balance 2,006,628.56

Total Investments 6,740,689.05

Total Cash & Investments - Current Month 7,196,991.65

Total Cash & Investments - Prior Month 8,336,675.94

Net Change to Cash & Investments This Month (1,139,684.29)

Cash & Investment Summary

Cash & Cash Equivalents	6,258,136.78
Davis-Grunsky Loan Reserve	602,212.37
Waste Water Capital Reserve	101,175.11
USDA Bond Reserve	175,467.39
I-Bank Loan Reserve	60,000.00

Total Cash & Investments 7,196,991.65

McKinleyville Community Services District
Consolidated Balance Sheet by Fund - **DRAFT**
As of July 31, 2016

	Governmental Funds			Proprietary Funds		
	Parks & General	Measure B	Streetlights	Water	Wastewater	Total (Memorandum Only)
ASSETS						
Current Assets						
Unrestricted cash & cash equivalents	\$ 953,884.76	\$ (256,309.66)	\$ (20,009.11)	\$ 3,125,426.89	\$ 2,488,950.56	\$ 6,291,943.44
Accounts receivable	3,053.89	-	4,659.10	359,076.11	283,450.19	650,239.29
Prepaid expenses & other current assets	52,602.89	-	2,354.93	100,001.70	51,197.28	206,156.80
Total Current Assets	1,009,541.54	(256,309.66)	(12,995.08)	3,584,504.70	2,823,598.03	7,148,339.53
Noncurrent Assets						
Restricted cash & cash equivalents	194,578.92	-	-	662,212.37	276,642.50	1,133,433.79
Other noncurrent assets	-	-	-	44,530.00	48,704.00	93,234.00
Capital assets (net)	-	-	-	7,858,250.71	16,431,201.49	24,289,452.20
Total Noncurrent Assets	194,578.92	-	-	8,564,993.08	16,756,547.99	25,516,119.99
TOTAL ASSETS	\$ 1,204,120.46	\$ (256,309.66)	\$ (12,995.08)	\$ 12,149,497.78	\$ 19,580,146.02	\$ 32,664,459.52
LIABILITIES & FUND BALANCE/NET ASSETS						
Current Liabilities						
Accounts payable & other current liabilities	\$ 69,834.19	\$ 20,676.64	\$ 391.90	\$ 206,893.88	\$ 794,449.17	\$ 1,092,245.78
Accrued payroll & related liabilities	87,069.89	-	-	37,695.90	37,778.35	162,544.14
Total Current Liabilities	156,904.08	20,676.64	391.90	244,589.78	832,227.52	1,254,789.92
Noncurrent Liabilities						
Long-term debt	-	-	-	2,876,619.36	1,812,709.88	4,689,329.24
Other noncurrent liabilities	-	-	-	795,826.87	844,107.61	1,639,934.48
Total Noncurrent Liabilities	-	-	-	3,672,446.23	2,656,817.49	6,329,263.72
TOTAL LIABILITIES	156,904.08	20,676.64	391.90	3,917,036.01	3,489,045.01	7,584,053.64
Fund Balance/Net Assets						
Fund balance	334,083.84	(276,986.30)	(13,386.98)	-	-	43,710.56
Net assets	713,132.54	-	-	3,250,830.42	1,472,609.40	5,436,572.36
Investment in capital assets, net of related debt	-	-	-	4,981,631.35	14,618,491.61	19,600,122.96
Total Fund Balance/Net Assets	1,047,216.38	(276,986.30)	(13,386.98)	8,232,461.77	16,091,101.01	25,080,405.88
TOTAL LIABILITIES & FUND BALANCE/NET ASSETS	\$ 1,204,120.46	\$ (256,309.66)	\$ (12,995.08)	\$ 12,149,497.78	\$ 19,580,146.02	\$ 32,664,459.52
Difference in Reclass from Cap Assets to Net Assets:						
Investment in General Capital Assets	\$ 3,159,857.74					
General Long-term Liabilities						
PG&E Streetlights Loan	67,871.15					
Meas. B Loan: Teen/Community Center	1,352,733.00					
OPEB Liability	276,539.23					
CalPERS Pension Liability/Deferred Inflows-Outflows	522,200.00					
Accrued Compensated Absences	61,161.36					
TOTAL GENERAL LONG-TERM LIABILITIES	\$ 2,280,504.74					

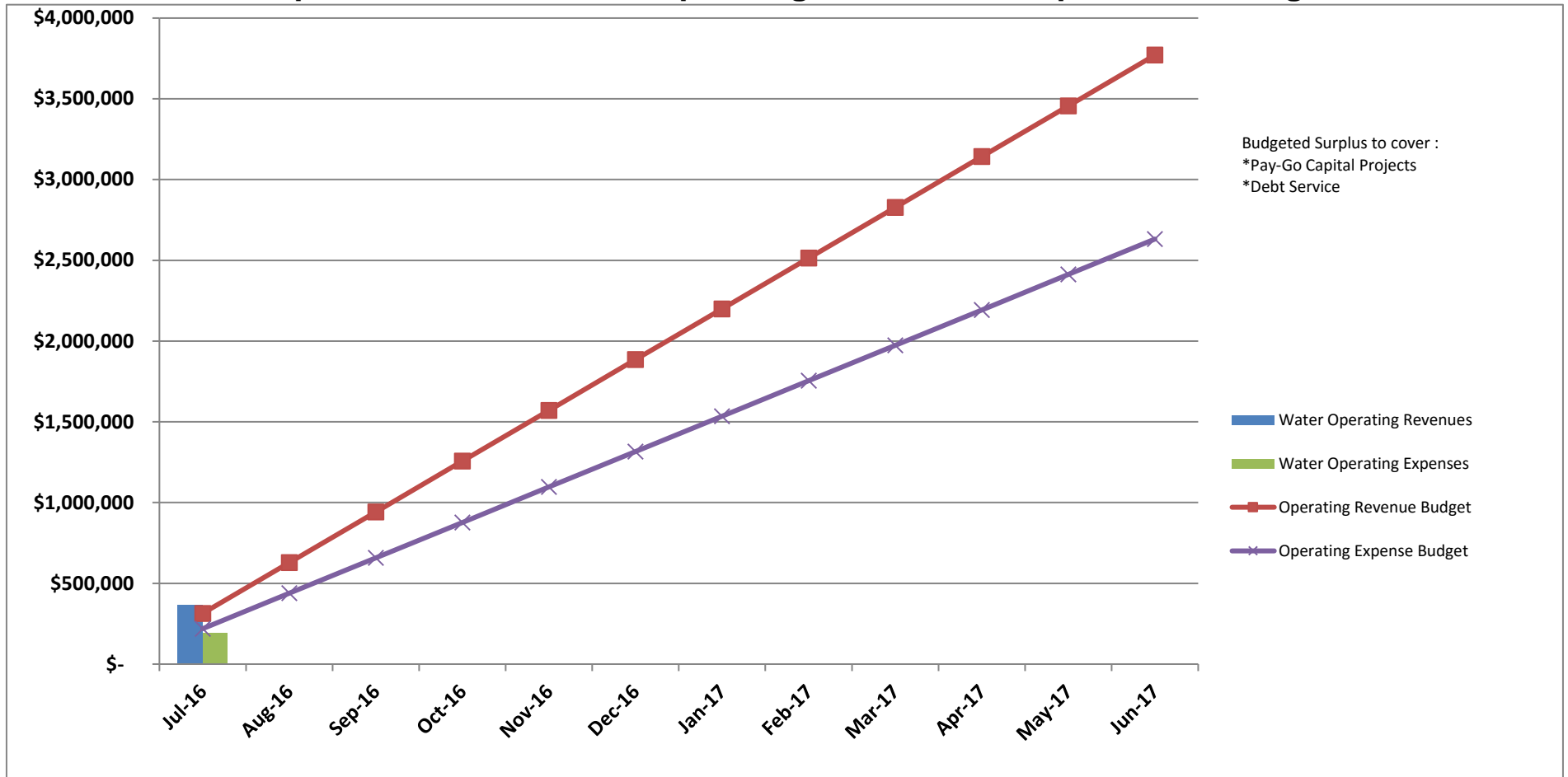
McKinleyville Community Services District
Activity Summary by Fund, Original Budget - DRAFT
July 2016

Department Summaries	July	% of Year 8.33% YTD	Original YTD Budget	Over (Under) YTD Budget	Over (Under) YTD Budget %	Notes
<u>Water</u>						
Water Sales	352,595	352,595	286,844	65,751	22.92%	Budget is spread evenly across 12 months, but actuals vary by month
Other Revenues	25,185	25,185	27,378	(2,193)	-8.01%	Includes YTD Capacity Fees of \$12,909.00. No Contrib. Construction at this time
Total Operating Revenues	377,780	377,780	314,222	63,558	20.23%	
Salaries & Benefits	61,086	61,086	72,551	(11,465)	-15.80%	Budget is spread evenly across 12 months, but actuals vary by month
Water Purchased	79,343	79,343	80,603	(1,260)	-1.56%	
Other Expenses	21,731	21,731	36,991	(15,260)	-41.25%	Budget is spread evenly across 12 months, but actuals vary by month
Depreciation	27,200	27,200	29,167	(1,967)	-6.74%	
Total Operating Expenses	189,360	189,360	219,312	(29,952)	-13.66%	
Net Operating Income	188,420	188,420	94,910	33,606		
Interest Income	1,296	1,296	1,125	171	15.18%	Budget is spread evenly across 12 months, but actuals vary by month
Interest Expense	(5,923)	(5,923)	(5,842)	81	1.38%	
Net Income (Loss)	183,793	183,793	90,193	93,600		
<u>Wastewater</u>						
Wastewater Service Charges	275,220	275,220	254,437	20,783	8.17%	
Other Revenues	27,127	27,127	37,406	(10,279)	-27.48%	Includes YTD Capacity Fees of \$19,904.00. No Contrib. Construction at this time
Total Operating Revenues	302,347	302,347	291,843	10,504	3.60%	
Salaries & Benefits	73,345	73,345	77,971	(4,626)	-5.93%	
Other Expenses	36,155	36,155	59,291	(23,136)	-39.02%	Budget is spread evenly across 12 months, but actuals vary by month
Depreciation	39,150	39,150	40,000	(850)	-2.13%	
Total Operating Expenses	148,650	148,650	177,262	(28,612)	-16.14%	
Net Operating Income	153,697	153,697	114,581	39,116		
Interest Income	1,385	1,385	1,667	(282)	-16.92%	
Interest Expense	(3,891)	(3,891)	(2,373)	1,518	63.97%	Budget is spread evenly across 12 months, but actuals vary by month
Net Income (Loss)	151,191	151,191	113,875	37,316		
Enterprise Funds Net Income (Loss)	334,984	334,984	204,068	130,916		

McKinleyville Community Services District

July 2016

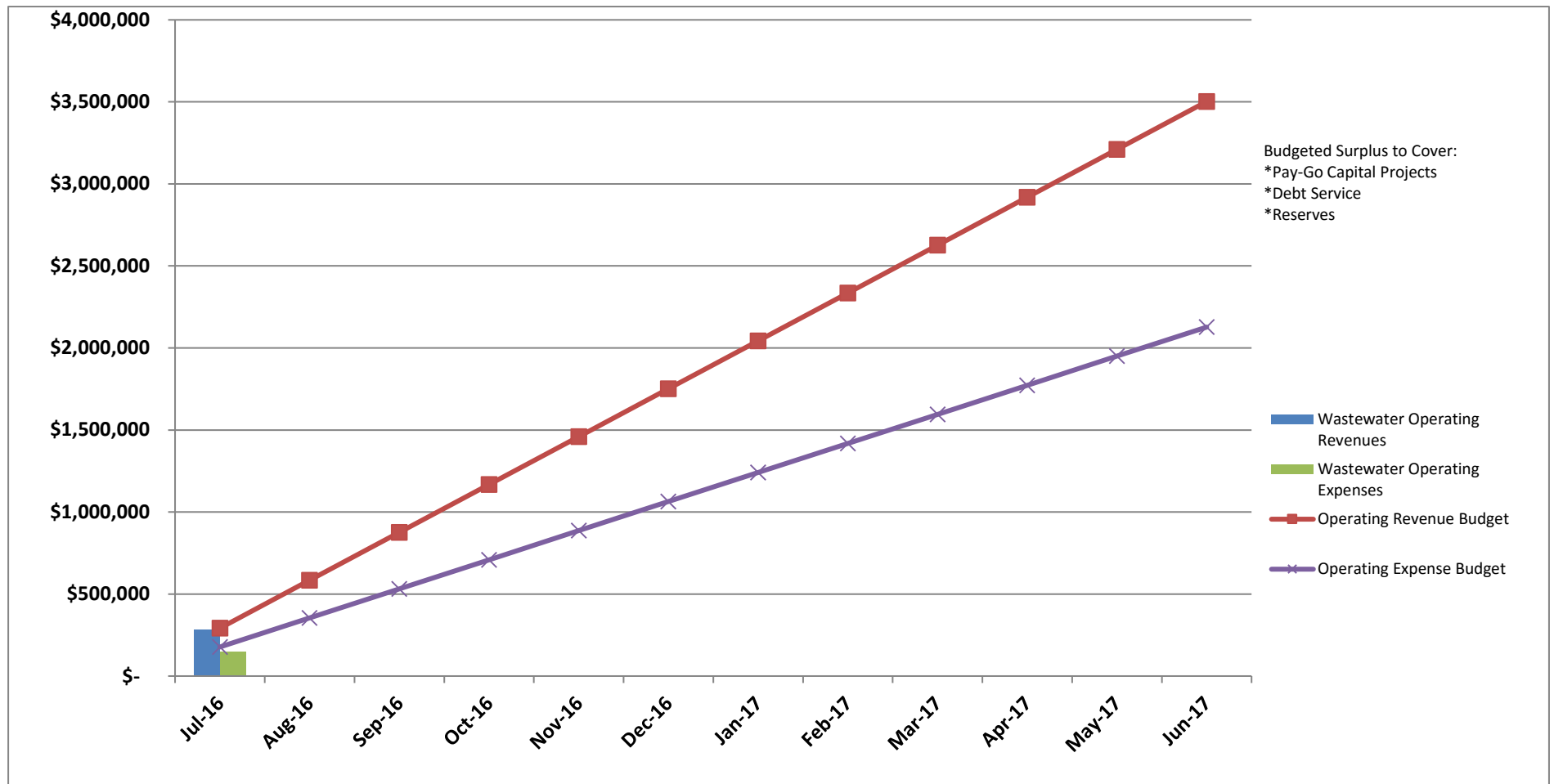
Comparison of Water Fund Operating Revenues & Expenses to Budget



Treasurer's Report Page 5, Selected Graphic Comparisons

McKinleyville Community Services District July 2016

Comparison of Wastewater Fund Operating Revenues & Expenses to Budget



Treasurer's Report Page 6, Selected Graphic Comparisons

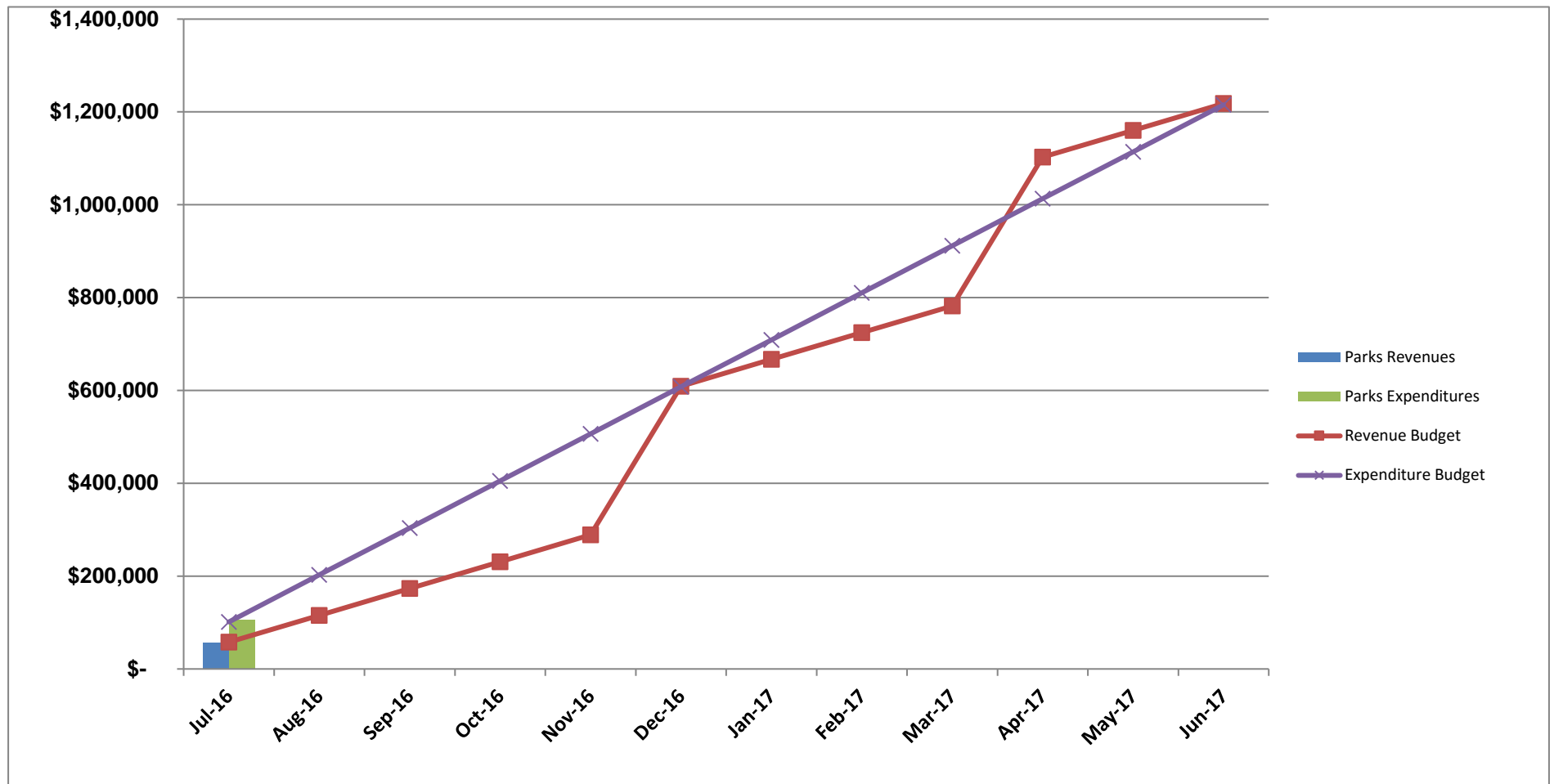
McKinleyville Community Services District
Activity Summary by Fund, Original Budget - DRAFT
July 2016

	July	% of Year 8.33% YTD	Original YTD Budget	Over (Under) YTD Budget	Over (Under) YTD Budget %	Notes
Department Summaries						
<u>Parks & Recreation</u>						
Program Fees	40,157	40,157	31,116	9,041	29.06%	Budget is spread evenly across 12 months, but actuals vary by month
Rents & Related Fees	12,259	12,259	9,227	3,032	32.86%	Budget is spread evenly across 12 months, but actuals vary by month
Property Taxes	-	-	43,750	(43,750)	-100.00%	County Tax remittance April/December
Other Revenues	4,206	4,206	16,584	(12,378)	-74.64%	Budget is spread evenly across 12 months, but actuals vary by month
Interest Income	745	745	833	(88)	-10.61%	Budget is spread evenly across 12 months, but actuals vary by month
Total Revenues	57,366	57,366	101,510	(44,144)	-43.49%	
Salaries & Benefits	85,778	85,778	76,011	9,767	12.85%	Budget is spread evenly across 12 months, but actuals vary by month
Other Expenditures	19,949	19,949	21,582	(1,633)	-7.56%	
Capital Expenditures	840	840	3,693	(2,853)	-77.25%	Budget is spread evenly across 12 months, but actuals vary by month
Total Expenditures	106,568	106,568	101,286	5,282	5.21%	
Excess (Deficit)	(49,201)	(49,201)	224	(49,425)		
<u>Measure B Assessment</u>						
Total Revenues	(531)	(531)	17,792	(18,323)	-102.98%	Interest & unrealized gains/losses; County Tax remittance April/December
Salaries & Benefits	6,645	6,645	4,647	1,998	43.00%	Budget is spread evenly across 12 months, but actuals vary by month
Other Expenditures	2,965	2,965	2,521	444	17.60%	Budget is spread evenly across 12 months, but actuals vary by month
Capital Expenditures	11,661	11,661	10,621	1,040	9.79%	
Total Expenditures	21,270	21,270	17,789	3,481	19.57%	
Excess (Deficit)	(21,801)	(21,801)	3	(21,804)		
<u>Street Lights</u>						
Total Revenues	8,487	8,487	7,988	499	6.25%	
Salaries & Benefits	3,002	3,002	3,421	(419)	-12.24%	Budget is spread evenly across 12 months, but actuals vary by month
Other Expenditures	2,054	2,054	2,720	(666)	-24.47%	Budget is spread evenly across 12 months, but actuals vary by month
Capital Expenditures/Loan Repayment	1,655	1,655	1,822	(167)	-9.14%	LED Project Debt repayment
Total Expenditures	6,712	6,712	7,963	(1,251)	-15.71%	
Excess (Deficit)	1,775	1,775	25	(1,750)		
Governmental Funds Excess (Deficit)	(69,227)	(69,227)	252	(69,479)		

McKinleyville Community Services District

July 2016

Comparison of Parks & Recreation Total Revenues & Expenditures to Budget

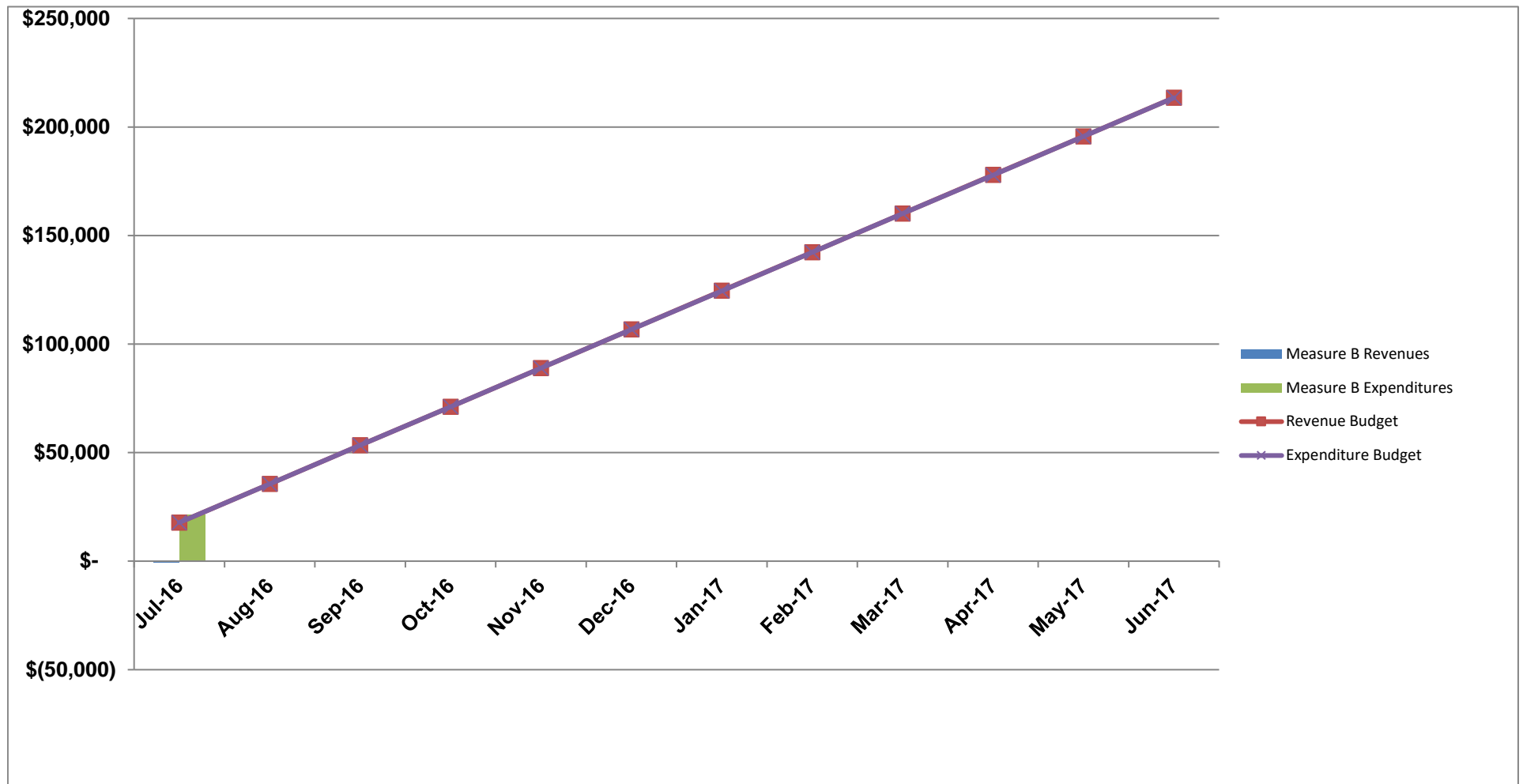


Treasurer's Report Page 8, Selected Graphic Comparisons

McKinleyville Community Services District

July 2016

Comparison of Measure B Fund Total Revenues & Expenditures to Budget

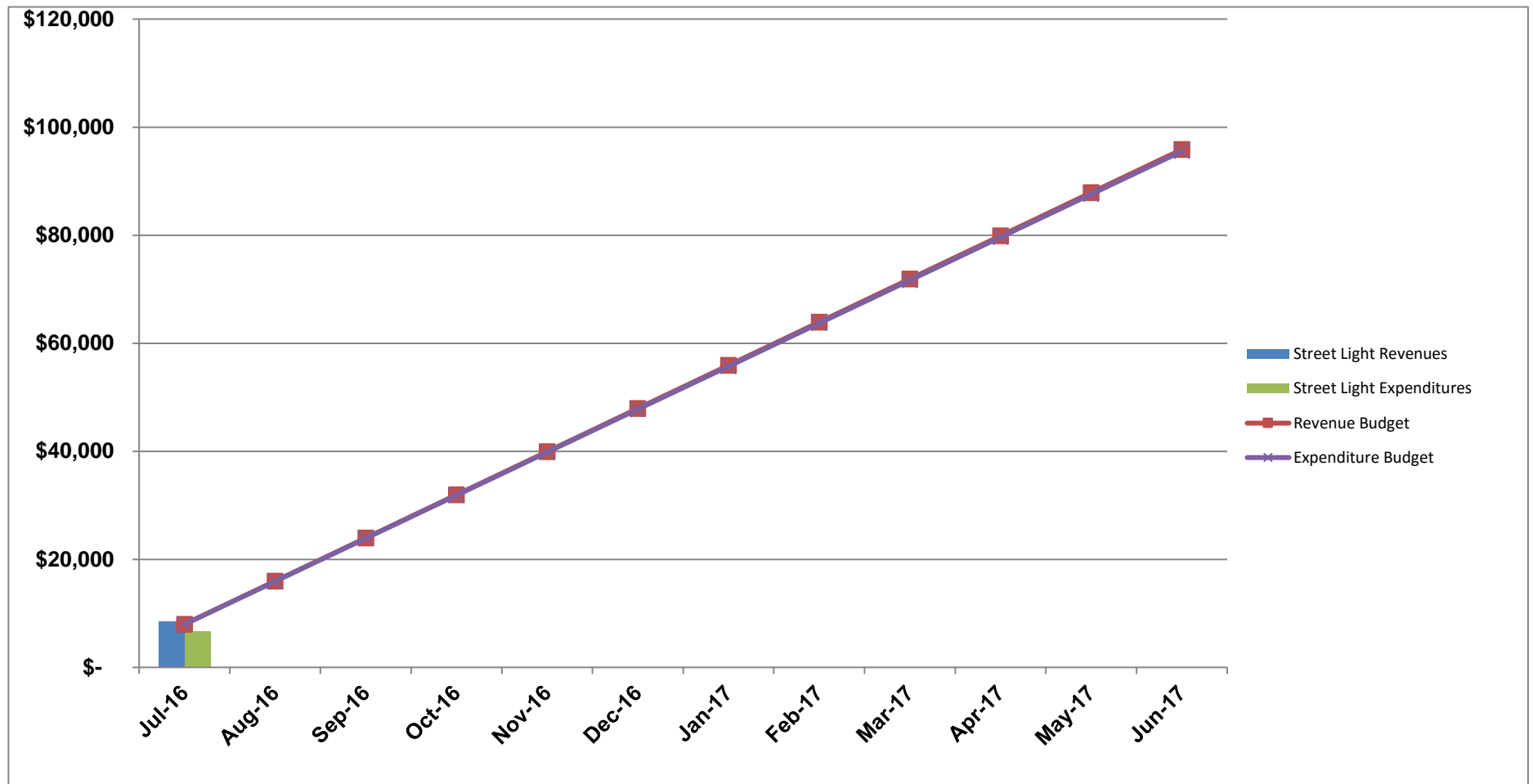


Treasurer's Report Page 9, Selected Graphic Comparisons

McKinleyville Community Services District

July 2016

Comparison of Street Light Fund Total Revenues & Expenditures to Budget



Treasurer's Report Page 10, Selected Graphic Comparisons

McKinleyville Community Services District
Capital Expenditure Report - DRAFT
As of July 31, 2016

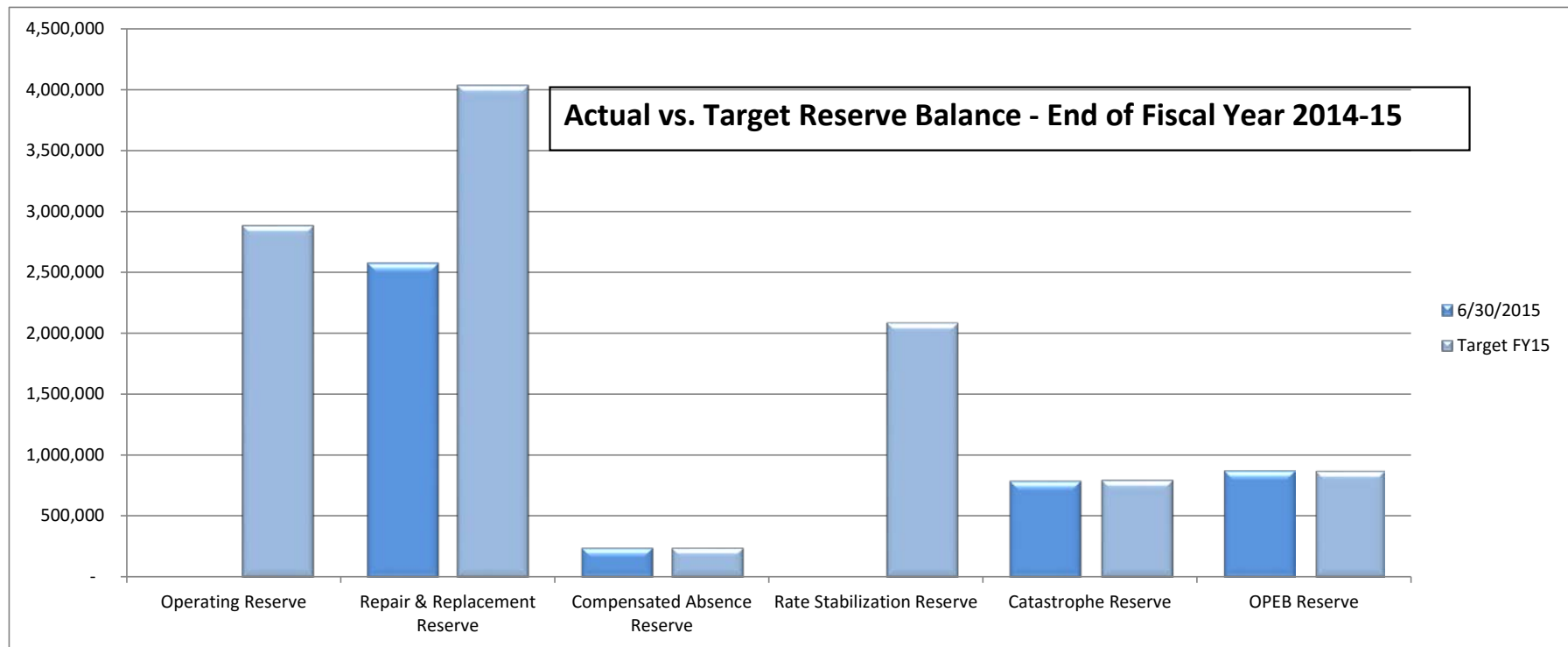
	July	YTD Total	FY 16-17 Budget	Remaining		
				Budget \$	Budget %	Notes
<u>Water Department</u>						
Ramey Pump Upgrades	-	-	-	-	#DIV/0!	
Emergency Water Line River Crossing	-	-	-	-	#DIV/0!	Emergency Line Intertie Proj
Water Tank Upgrade	-	-	350,000	350,000	100%	Tank Painting
4.5m New Water Tank	-	-	700,000	700,000	100%	Drilling, LACO Assoc.
Production Meter Replacements	-	-	8,000	8,000	100%	Production Meter Replacement
Emergency Water Supply	188	188	40,000	39,813	100%	Emergency Water Supply
Emergency Response Equipment	-	-	50,000	50,000	100%	Emergency Generator
Fire Hydrant System Upgrade	-	-	14,000	14,000	100%	Fire Hydrant System Upgrade
Customer Radio Meter Replacements	-	-	260,000	260,000	100%	Radio meters purch/install
Radio Telemetry Upgrade	-	-	-	-	#DIV/0!	Equipment purchased
Meter Reading Equipment Replacement	-	-	-	-	#DIV/0!	Equipment purchased
Water Main Rehab & Replacement	858	858	100,000	99,143	99%	Water Main Rehab
Property Purchase & Improvements	-	-	200,000	200,000	100%	Property Purch/Improvements
Subtotal	1,045	1,045	1,722,000	1,720,955	100%	
<u>Wastewater Department</u>						
Sewer Main Rehab & Replacement	831	-	100,000	100,000	100%	Sewer Main Rehab
WWMF Biosolids Project	-	-	240,000	240,000	100%	to County Trust Acct#9390
Fischer Lift Station Generator	-	-	80,000	80,000	100%	Fischer Lift Stn Generator
Sewer Main Camera Unit	-	-	30,000	30,000	100%	
WWMF Upgrade/CEQA/Permitting	-	-	13,000,000	13,000,000	100%	WWMF construction
Radio Telemetry Upgrade	-	-	30,000	30,000	100%	Radio Telemetry upgrade
WWMF Engr Study (next NPDES Permit)	-	-	50,000	50,000	100%	
Customer Radio Meter Replacements	-	-	260,000	260,000	100%	Radio meters purch/install
Underground Locator Pipe & Camera	-	-	5,000	5,000	100%	
SCBA Apparatus and Bottles	-	-	6,000	6,000	100%	
Subtotal	831	-	13,801,000	13,801,000	100%	
<u>Water & Wastewater Operations</u>						
Heavy Equipment	-	-	410,000	410,000	100%	Hydrocleaner; Tractor attachmt
Utility Vehicles	-	-	63,000	63,000	100%	CCTV truck, 3/4 or 1-ton Pickup
Office, Corporate Yard & Shops	-	-	10,000	10,000	100%	Facilities upgrade/sealcoat
Computers & Software	-	-	65,000	65,000	100%	Server, PCs, GIS/SEMS/CADD
Fischer Ranch - Reclamation Site Upgrade (tr	1,156	1,156	5,000	3,844	77%	Match to 3rd party grant funding
Fischer Ranch - Barn & Fence upgrades, Und	-	-	17,000	17,000	100%	Underground valving/piping
Fischer Ranch -Disposal Site Upgrade	-	-	1,500,000	1,500,000	100%	Disposal Site Upgrade
Small Equipment & Other	-	-	20,000	20,000	100%	Ops Office Eq./Emergency Eqp
Subtotal	-	1,156	2,090,000	2,088,844	100%	
Enterprise Funds Total	3,032	2,201	17,613,000	17,610,799	100%	
<u>Parks & Recreation Department</u>						
Hillier Park & Sports Complex	-	-	5,000	5,000	100%	Other Equipment & Signage
Pierson Park Upgrades	-	-	-	-	#DIV/0!	
Washington Avenue Park Project	-	-	-	-	#DIV/0!	
Azalea Hall Projects	-	-	11,000	11,000	100%	PA sys, Parking Lot resurfacing
McKinleyville Activity Center Upgrades	-	-	-	-	#DIV/0!	
Law Enforcement Facility Improvements	-	-	5,000	5,000	100%	Paving/Sealing
Projects Funded by Quimby/Other Funds	-	-	-	-	#DIV/0!	Covered Picnic Area
Projects Funded by Measure B Renewal	12,501	12,501	127,000	114,499	90%	Teen Center Constr&Loan svc
Other Parks Projects & Equipment	-	-	23,000	23,000	100%	Vehicles and Equipment
Subtotal	12,501	12,501	171,000	158,499	93%	
<u>Streetlights</u>						
Pole Replacement	-	-	2,000	2,000	100%	Pole Replacement
Subtotal	-	-	2,000	2,000	100%	
Governmental Funds Total	12,501	12,501	173,000	160,499	93%	
All Funds Total	28,033	14,702	17,786,000	17,771,298	100%	

McKinleyville Community Services District
Summary of Long-Term Debt Report - DRAFT
As of July 31, 2016

**Principal Maturities and
Scheduled Interest**

	%	Maturity Date		Balance - June 30, 2016	Balance - July 31, 2016	FY-17	Thereafter
Water Fund:							
I-Bank		8/1/30	P	801,513.49	759,574.85	-	759,574.90
Interest	3.37%		I			12,798.84	192,921.18
State of CA Energy Commission (ARRA)		12/22/26	P	123,806.91	123,806.91	11,240.72	112,565.98
Interest	1.0%		I			1,210.12	5,716.71
State of CA (Davis Grunsky)		1/1/33	P	1,703,645.91	1,703,645.91	81,651.96	1,621,993.95
State of CA (Davis Grunsky) Deferred Interest		1/1/33	P	289,591.69	289,591.69	17,035.12	272,556.57
Interest	2.5%		I			42,591.14	365,895.58
Total Water Fund-Principal				2,918,558.00	2,876,619.36	109,927.80	2,766,691.40
Total Water Fund-Interest						56,600.10	564,533.47
Total Water Fund				2,918,558.00	2,876,619.36	166,527.90	3,331,224.87
Wastewater Fund:							
WWMF SRF Loan		7/31/47	P	1,168,549.00	1,168,549.00	-	24,724,009.73
Interest	1.6%		I			-	
State of CA WRCB (SCEP II)		3/27/18	P	53,686.10	53,686.10	26,510.50	27,176.10
Interest	2.6%		I			1,395.84	706.57
Umpqua Bank		12/4/17	P	79,756.78	75,474.78	48,378.26	27,061.53
Interest	5.5%		I			2,711.02	433.07
USDA (Sewer Bond)		8/1/22	P	515,000.00	515,000.00	70,000.00	445,000.00
Interest	5.0%		I			24,000.00	66,875.00
Total Wastewater Fund-Principal				1,816,991.88	1,812,709.88	144,888.76	25,223,247.36
Total Wastewater Fund-Interest						28,106.86	68,014.64
Total Sewer Fund				1,816,991.88	1,812,709.88	172,995.62	25,291,262.00
Meas. B Fund: Teen/Comm Center Loan		11/1/29	P	1,352,733.00	1,352,733.00	79,968.00	1,277,225.00
	3.55%		I			47,483.12	315,381.41
Streetlights Fund: LED Proj Loan, PG&E			P	69,526.55	67,871.15	17,909.40	49,961.75
	0.0%		I				-
Total Principal				6,157,809.43	6,109,933.39	352,693.96	29,317,125.51
Total Interest						132,190.08	947,929.52
Total				6,157,809.43	6,109,933.39	484,884.04	30,265,055.03

McKinleyville Community Services District
Board Designated Reserve Balances
As of July 31, 2016



- Utility Accounts Receivable Turnover Days

As of July 31, 2016

12.9 Days

- YTD Breakeven Revenue, Water Fund: 141,962.59

- YTD Actual Water Sales: 352,595.02

- Days of Cash on Hand - Operations Checking Account

33.5 Days

McKinleyville Community Services District
Cash Disbursement Report
For the Period July 1 through July 31, 2016

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
Accounts Payable Disbursements						
31139	8/9/2016	UNI06	UNITED GROCERS	(95.53)	B60531u	Ck# 031139 Reversed
31269	7/6/2016	*0071	AZALEA HALL DEPOSIT REFUND IO	176.00	2	CANCELATION OF EVENT
				100.00	B60630	AZALEA HALL DEPOSIT REFUND IO
			Check Total:	<u>276.00</u>		
31270	7/6/2016	*0072	AZALEA HALL DEPOSIT REFUND JK	100.00	B60705	AZALEA HALL DEPOSIT REFUND JK
31271	7/6/2016	*0073	REC PROGRAM REFUND LW	150.00	B60705	REC PROGRAM REFUND LW
31272	7/6/2016	*0074	REC PROGRAM REFUND DK	65.00	B60705	REC PROGRAM REFUND DK
31273	7/6/2016	COR07	JOHN W. CORBETT	125.00	B60706	BOARD MTG 6/1/16
31274	7/6/2016	COU09	DAVID R. COUCH	125.00	B60706	BOARD MTG 6/1/16
31275	7/6/2016	EUR11	EUREKA FLOOR COMPANY	8,291.43	B60705	TEEN CENTER/MAC FLOOR REPAIR
31276	7/6/2016	FRE02	MICHAEL FREEMAN	43.19	B60705	SAFETY ALLOTMENT
31277	7/6/2016	HUC01	DELILAH HUCK	341.25	B60705	CONTRACT INSTRUCTOR
31278	7/6/2016	KEN02	KENNEDY/JENKS CONSULTANTS	44,292.98	102214	WWMF UPGRADE
31279	7/6/2016	MAY02	DENNIS MAYO	125.00	B60706	BOARD MTG 6/1/16
31280	7/6/2016	NEC01	NEC FINANCIAL SERVICES,LLC	375.66	B60705	PHONE SERVICES FOR JULY 2016
31281	7/6/2016	PGE01	PG & E (Office & Field)	19,796.14	B60705	GAS & ELECTRIC

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31282	7/6/2016	SDR01	SDRMA	64,225.79	53595	PROPERTY/ LIABILITY PROGRAM
				45,064.28	B60606	WORKERS COMP PMT
			Check Total:	109,290.07		
31283	7/6/2016	SUD01	SUDDENLINK	134.95	B60706	INTERNET SERVICES FOR JULY 2016
31284	7/6/2016	USB01	U.S. BANK TRUST N.A.	-	B60706u	Ck# 031284 Reversed
31285	7/6/2016	WES02	WES GREEN	756.00	63075	REAPIRS/SUPPLIES
31286	7/6/2016	WHE02	GEORGE A. WHEELER JR.	125.00	B60706	BOARD MTG 6/1/16
31287	7/6/2016	\C027	MQ CUSTOMER REFUND FOR CA	79.26	000B60701	MQ CUSTOMER REFUND FOR CA
31288	7/6/2016	\G004	MQ CUSTOMER REFUND FOR GR	88.30	000B60701	MQ CUSTOMER REFUND FOR GR
31289	7/6/2016	\J001	MQ CUSTOMER REFUND FOR JO	42.36	000B60701	MQ CUSTOMER REFUND FOR JO
31290	7/6/2016	\K006	MQ CUSTOMER REFUND FOR KA	34.10	000B60701	MQ CUSTOMER REFUND FOR KA
31291	7/6/2016	\L001	MQ CUSTOMER REFUND FOR LE	14.92	000B60701	MQ CUSTOMER REFUND FOR LE
31292	7/6/2016	\P005	MQ CUSTOMER REFUND FOR PA	71.69	000B60701	MQ CUSTOMER REFUND FOR PA
31293	7/6/2016	\R012	MQ CUSTOMER REFUND FOR RA	100.00	000B60701	MQ CUSTOMER REFUND FOR RA
31294	7/6/2016	\R013	MQ CUSTOMER REFUND FOR RE	2.49	000B60701	MQ CUSTOMER REFUND FOR RE
31295	7/6/2016	\S008	MQ CUSTOMER REFUND FOR SH	39.48	000B60701	MQ CUSTOMER REFUND FOR SH
31296	7/6/2016	\T006	MQ CUSTOMER REFUND FOR TU	15.50	000B60701	MQ CUSTOMER REFUND FOR TU
31297	7/6/2016	\V006	MQ CUSTOMER REFUND FOR VA	91.22	000B60701	MQ CUSTOMER REFUND FOR VA
31299	7/11/2016	*0001	AZALEA HALL DEPOSIT REFUND CM	100.00	B60707	AZALEA HALL DEPOSIT REFUND CM

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31300	7/11/2016	*0002	REC PROGRAM REFUND KY	80.00	B60708	REC PROGRAM REFUND KY
31301	7/11/2016	ACW01	CB&T/ACWA-JPIA	9,133.97	B60708	GRP. HEALTH INS
31302	7/11/2016	ADV01	ADVANCED SECURITY SYSTEM	454.50	342888	SECURITY SYSTEMS
31303	7/11/2016	ADV04	ADVANCED DISPLAY AND SIGN	134.36	512604	REPAIRS/SUPPLY
31304	7/11/2016	AIR01	AIRGAS USA, LLC.	145.70	905205820	REPAIRS/ SUPPLIES
31305	7/11/2016	ARC02	Arcata Stationers	29.54	B60706	OFFICE SUPPLIES
31306	7/11/2016	BAN01	BANKCARD CENTER	2,345.27	Jun-16	OFFICE SUPPLIES/REC SUPPL
31307	7/11/2016	CAL04	CALPERS-FINANCIAL REPORTING	56,693.00	14789117	UNFUNDED ACCRUED LIABILITY
				15.00	14789126	UNFUNDED ACCRUED LIABILITY-PEPRA
			Check Total:	<u>56,708.00</u>		
31308	7/11/2016	COA01	COASTAL BUSINESS SYSTEMS	355.03	18943718	COPIER MAINT. AGREEMENT
31309	7/11/2016	COR01	CORBIN WILLITS SYSTEMS, INC	888.42	B606151	MOMS MAINT. AGREEMENT
31310	7/11/2016	COS03	CAPITAL ONE COMMERCIAL (COSTCO)	2,243.30	B60706	REC SUPPLIES/OFFICE SUPPL
31311	7/11/2016	HAR03	HARPER MOTORS CO.	525.53	B60706	VEHICLE REPAIRS
31312	7/11/2016	HAR13	The Hartford - Priority A	413.27	B60706	GRP LIFE INSURANCE
31313	7/11/2016	HFS01	HF SCIENTIFIC, INC.	89.60	204451	REPAIRS/ SUPPLIES
31314	7/11/2016	HUM01	HUMBOLDT BAY MUNICIPAL WATER DISTRICT	71,090.26	B60706	WTR PURCHASED
31315	7/11/2016	HUM08	HUMBOLDT SANITATION	1,045.20	B60706	TRASH SERVICE
31316	7/11/2016	IBS01	IBS OF THE REDWOODS	248.90	B60708	REPAIRS/ SUPPLIES

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31317	7/11/2016	MAD02	MAD RIVER UNION	20.00	39187	ADVERTISEMENT
				216.00	B60708	LEGAL ADS
			Check Total:	236.00		
31318	7/11/2016	MCK04	MCK ACE HARDWARE	249.62	B60707	REPAIRS/SUPPLY
31319	7/11/2016	MIL01	Miller Farms Nursery	1,724.64	B60707	REPAIRS/SUPPLY
31320	7/11/2016	NAP02	NAPA AUTO PARTS	9.58	B60706	REPAIRS/ SUPPLIES
31321	7/11/2016	NOR01	NORTH COAST LABORATORIES	3,689.00	B60707	LAB TESTS
31322	7/11/2016	NOR02	NORTH COAST JOURNAL, INC.	163.00	B60707	ADVERTISEMENT
31323	7/11/2016	ORE01	O'REILLY AUTOMOTIVE, INC.	24.15	B60707	REPAIRS/SUPPLY
31324	7/11/2016	PAC05	PACIFIC ECORISK	1,757.41	12198	LAB TESTING
31325	7/11/2016	PUB02	PUBLIC UTILITIES WEB CO-O	446.55	B60620	ADJ FOR DUPLICATED ONLINE PAYMENT
31326	7/11/2016	REN01	RENNER PETROLEUM	2,638.92	B60707	FUEL FOR JUNE 2016
31327	7/11/2016	ROS02	ROSS RECREATION EQUIPMENT	402.06	98884	REPAIRS/SUPPLIES
31328	7/11/2016	SDR01	SDRMA	74.16	53990	PROPERTY/LIABILITY PROGRAM
31329	7/11/2016	SIE02	SIERRA CHEMICAL CO.	1,054.68	B60707	CHLORINE AND CONTAINER DEPOSIT
31330	7/11/2016	STA09	S.W.R.C.B.	60.00	B60707	CERTIFICATE RENEWAL
31331	7/11/2016	THO02	Thomas Home Center	179.34	B60707	REPAIRS/SUPPLY
31332	7/11/2016	THR02	THREE G'S HAY & GRAIN	16.55	32239	REPAIRS/ SUPPLIES
31333	7/11/2016	USP02	USPS: ARCATA BMEU	1,500.00	B60708	REFILL PERMIT 202-BULK MAIL

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31334	7/11/2016	VER01	VERIZON WIRELESS	54.77	B60707	CELL PHONES FOR JUNE 2016
31335	7/11/2016	WES13	WESTERN WEB	1,127.82	17568	NEWSLETTER PRINTING
31336	7/12/2016	HUM15	HUMBOLDT COUNTY CLERK	50.00	B60712P	COUNTY CLERK PROCESSING
31337	7/19/2016	*0003	REC PROGRAM REFUND RR	65.00	B60719	REC PROGRAM REFUND RR
31338	7/19/2016	*0004	CANCELLED RESERVATION JV	190.00	B60719	CANCELLED RESERVATION JV
31339	7/19/2016	*0005	AZALEA HALL DEPOSIT REFUND VL	100.00	B60719	AZALEA HALL DEPOSIT REFUND VL
31340	7/19/2016	*0006	REC PROGRAM REIMB. ML	100.00	B60719	REC PROGRAM REIMB. ML
31341	7/19/2016	ACT01	ACTION RENTAL	200.10	19450	REC PROGRAM SUPPLIES
31342	7/19/2016	ATT01	AT&T	671.98	B60719	PHONE SERVICES FOR JULY 2
31343	7/19/2016	AUB01	AUBURN CONSTRUCTORS, INC.	977,896.75	4	WWMF UPGRADE
31344	7/19/2016	COA01	COASTAL BUSINESS SYSTEMS	945.07	19019714	COPIER MAINTENANCE AGREEM
31345	7/19/2016	CON01	CONNEY SAFETY PRODUCTS	526.86	5172674	REC PROGRAM SUPPLIES
31346	7/19/2016	CON02	REC PROGRAM REIMB. MC	16.82	B60719	REC PROGRAM REIMB. MC
31347	7/19/2016	GAY01	GAYNOR TELESYSTEMS, INC	155.00	31289	PROFESSIONAL SERVICES
31348	7/19/2016	GRA02	GRAINGER	91.54	913513497	REPAIRS/ SUPPLIES
31349	7/19/2016	HAC01	HACH COMPANY	587.40	9961816	REPAIRS/SUPPLY
31350	7/19/2016	IBA01	US BANK-GLOBAL CORP TRUST	57,848.69	62204	iBANK LOAN PAYMENT
31351	7/19/2016	IND02	Industrial Electric Serv	85.12	B60707	REPAIRS/SUPPLY

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31352	7/19/2016	MCB02	BILL MCBROOME	250.00	B60719	SAFETY BOOTS REIMBURSEMENT
31353	7/19/2016	MCK02	MCKINLEYVILLE GLASS CO.	333.49	43981	VEHICLE REPAIRS
31354	7/19/2016	MCK12	MCKINLEYVILLE UNION SCHOOL DISTRICT	1,568.00	63016	REC PROGRAM SUPPLIES
31355	7/19/2016	MIT01	Mitchell, Brisso, Delaney	2,422.50	37939	LEGAL SERVICES
31356	7/19/2016	NOR35	NORTHERN HUMBOLDT	2,011.76	B60707	P.PARK & CENTRAL AVE OSMZ
31357	7/19/2016	NOR37	N.COAST UNIFIED AIR QUALITY MGMT DISTR	2,265.99	5520	ANNUAL PERMIT FEES
31358	7/19/2016	NYL01	NYLEX.NET	105.00	2240	PROFESSIONAL SERVICES
				105.00	2240	PROFESSIONAL SERVICES
			Check Total:	210.00		
31359	7/19/2016	OCC01	OCCUPATIONAL HEALTH	145.00	523-05-01	PROFESSIONAL SERVICES
31360	7/19/2016	PRE08	PRECISION INTERMEDIA	1,900.00	16-1826	PROFESSIONAL SERVICES
31361	7/19/2016	RCS01	RC SYSTEMS, INC.	6,250.00	16879	SUBSCRIPTION
31362	7/19/2016	ROS02	ROSS RECREATION EQUIPMENT	111.62	98379	REPAIRS/ SUPPLIES
				107.59	98889	REPAIRS/ SUPPLIES
			Check Total:	219.21		
31363	7/19/2016	RYD01	BILL RYDER	200.00	B60706	PROFESSIONAL SERVICES
31364	7/19/2016	SAF04	SAFEWAY INC. FILE # 72905	19.44	B60719	LAB SUPPLIES/ REPAIRS/ SUPPLIES
31365	7/19/2016	SLO01	DIANE SLOANE	102.87	B60719	FLEX SPENDING REIMBURSEMENT
31366	7/19/2016	STA09	S.W.R.C.B.	55.00	2	CERTIFICATE RENEWAL
31367	7/19/2016	STA11	STAPLES CREDIT PLAN	93.92	B60719	OFFICE SUPPLIES

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31368	7/19/2016	THR01	THRIFTY SUPPLY COMPANY	1,956.40	1405107	REPAIRS/ SUPPLIES
31369	7/19/2016	UPS01	UPS	33.18	B60719	LAB SHIPMENT
31370	7/19/2016	USP02	USPS: ARCATA BMEU	215.00	B60707	PERMIT 202 RENEWAL
31371	7/19/2016	WES09	WEST COAST PLUMBING	132.68	200461	REPAIRS/ SUPPLIES
31372	7/25/2016	*0007	REC PROGRAM REFUND LC	140.00	B60725	REC PROGRAM REFUND LC
31373	7/25/2016	*0008	AZALEA HALL DEPOSIT REFUND MG	100.00	B60725	AZALEA HALL DEPOSIT REFUND MG
31374	7/25/2016	*0009	REC PROGRAM REFUND EE	87.00	B60725	REC PROGRAM REFUND EE
31375	7/25/2016	*0010	REC PROGRAM REFUND KL	12.00	B60725	REC PROGRAM REFUND KL
31376	7/25/2016	*0011	REC PROGRAM REFUND PD	105.00	B60725	REC PROGRAM REFUND PD
31377	7/25/2016	GHD01	GHD	877.00	66459	PROFESSIONAL SERVICES
31378	7/25/2016	JAC04	JACKSON & EKLUND, INC.	1,453.00	186616	PROFESSIONAL SERVICES
31379	7/25/2016	JWK01	J.W. KERNS, INC.	413.27	432416	REPAIRS/ SUPPLIES
31380	7/25/2016	KEN02	KENNEDY/JENKS CONSULTANTS	890.00	103109	WWMF UPGRADE
				61,118.03	103109	WWMF UPGRADE
			Check Total:	<u>62,008.03</u>		
31381	7/25/2016	MAY03	DENNIS MAYO	84.00	B60725	ACWA BOARD OF DIRECTORS W
31382	7/25/2016	MCK11	MCKINLEYVILLE SENIOR CENT	32.90	B60721	P/R SHARE OF INTERNET SER
31383	7/25/2016	MCS01	MCSD C/O HUMBOLDT COUNTY	24,229.20	2	JUNE 2016 RESERVES RECOVERY
				24,183.45	B60725	MAY 2016 RESERVES RECOVERY
			Check Total:	<u>48,412.65</u>		

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
31384	7/25/2016	PGE05	PGE	1,973.99	B60725	STRLT LOAN PMT & JULY CHARGES
31385	7/25/2016	PGE06	PG&E-STREETLIGHTS	14.61	B60725	STREETLIGHTS JULY 2016
31386	7/25/2016	PGE07	PG&E STREETLIGHTS	907.08	B60725	STREETLIGHTS JULY 2016
31387	7/25/2016	PGE08	PGE STREETLIGHTS	13.93	B60725	STREETLIGHTS JULY 2016
31388	7/25/2016	PGE09	PGE-STREETLIGHTS	70.80	B60725	STREETLIGHTS JULY 2016
31389	7/25/2016	PGE10	PGE STREETLIGHTS	3.03	B60725	STREETLIGHTS JULY 2016
31390	7/25/2016	SHN01	SHN ENGINEERING	570.00	88756	WWMF UPGRADE
31391	7/26/2016	SWR02	SWRCB FEES	248.93	1210016	PERMIT LATE FEES
				2,489.31	LW1005743	ANNUAL PERMIT FEES
			Check Total:	<u>2,738.24</u>		
31392	7/28/2016	USB01	U.S. BANK TRUST N.A.	7,979.17	B60728P	SEWER BOND PAYMENT
				1,534,246.03		
Total Disbursements, Accounts Payable:				<u><u>1,534,246.03</u></u>		

Payroll Related Disbursements

13837-13839	7/5/2016		Various Employees	10,526.03		Vacation Buyouts
13840-13870	7/7/2016		Various Employees	15,311.34		Payroll Checks
13871	7/7/2016	CAL12	CalPERS 457 Plan	6,188.59	B60707	RETIREMENT
				452.47	1B60707	PERS 457 LOAN PMT
			Check Total:	<u>6,641.06</u>		
13872	7/7/2016	DIR01	DIRECT DEPOSIT VENDOR- US	28,305.97	B60707	Direct Deposit

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
13873	7/7/2016	EMP01	Employment Development	901.33	B60705	STATE INCOME TAX
				1,440.48	B60707	STATE INCOME TAX
13873	7/7/2016	EMP01	Employment Development	136.31	1B60705	SDI
				549.13	1B60707	SDI
			Check Total:	<u>3,027.25</u>		
13874	7/7/2016	EMP02	Employment Dev Department	2,441.00	B60630	SUI
13875	7/7/2016	HUM29	UMPQUA BANK--PAYROLL DEP.	2,559.60	B60705	FEDERAL INCOME TAX
				5,136.47	B60707	FEDERAL INCOME TAX
				1,878.06	1B60705	FICA
				7,555.98	1B60707	FICA
				439.22	2B60705	MEDICARE
				1,767.08	2B60707	MEDICARE
			Check Total:	<u>19,336.41</u>		
13876	7/7/2016	ACW01	CB&T/ACWA-JPIA	51,887.46	B60630	MED-DENTAL-EAP INSUR
13877	7/7/2016	PUB01	Public Employees PERS	15,582.59	B60630	PERS PAYROLL REMITTANCE
13878	7/13/2016		Employee	746.39		Severance
13879-13907	7/22/2016		Various Employees	15,436.28		Payroll Checks
13908	7/22/2016	CAL12	CalPERS 457 Plan	6,549.96	B60722	RETIREMENT
				452.47	1B60722	PERS 457 LOAN PMT
			Check Total:	<u>7,002.43</u>		
13909	7/22/2016	DIR01	DIRECT DEPOSIT VENDOR- US	29,682.60	B60722	Direct Deposit
13910	7/22/2016	EMP01	Employment Development	8.31	B60711	STATE INCOME TAX
				1,499.38	B60722	STATE INCOME TAX
				7.86	1B60711	SDI
				566.38	1B60722	SDI
			Check Total:	<u>2,081.93</u>		

Check Number	Check Date	Vendor Number	Name	Net Amount	Invoice #	Description
13911	7/22/2016	HUM29	UMPQUA BANK--PAYROLL DEP.	51.70	B60711	FEDERAL INCOME TAX
				5,348.65	B60722	FEDERAL INCOME TAX
				108.28	1B60711	FICA
				7,811.36	1B60722	FICA
				25.32	2B60711	MEDICARE
				1,826.82	2B60722	MEDICARE
			Check Total:	15,172.13		
			Total Disbursements, Payroll:	223,180.87		
			Total Check Disbursements:	1,757,426.90		

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **ACTION**

ITEM: E.1 **Vangari Request for Variance on Leak Adjustment Policy**

PRESENTED BY: **Gregory Orsini, General Manager**

TYPE OF ACTION: **Roll Call**

Recommendation:

Staff recommends that Board review the information provided, allow the Vangari's time to testify, take public comment and consider request for variance of the water leak adjustment policy limiting adjustments to once every two years and approve a credit \$75.20 based upon the standard formula for the July 2016 metered water volume.

Discussion:

This item is being brought to the Board by request of the Vangari's to seek a variance of Board Policy, **Attachment 1**.

In accordance with the Water Leak Adjustment Policy revised in May of 2011 by Board action, the General Manager may authorize forgiveness for consumption of water by MCSD customers up to \$500 if it is the result of a leak and the leak has been properly repaired and proof provided. Attachment 4 is a copy of the approved and processed water leak adjustment for the Vangari's in the amount of \$113.75 based upon the June 2016 bill of \$306.69 for 67 ccf of water. The policy, as outlined on page 2 of **Attachment 4**, limits adjustments to one month of any 24-month period and the amount allowed is 50% of the difference between the cost of the average water use and the high month, not to exceed \$500.00.

The new radio read meters utilize a sensor that provides a code to alert staff to a possible leak. This code tells us that there has been registered water use for at least the previous 24 hours prior to the time the meter was read.

Attachment 2 is a summary of the contact made with the Vangari's concerning their leak. This attachment also notes that the property owner, American Hospital Management, was notified of a possible leak with the August 2015 meter read. The leak appears to have been repaired in January 2016. It also indicates that the Vangari's were made aware of another potential leak in May of 2016. It appears the landlord finally repaired the leak on June 8, 2016.

The Vangari's were tenants on the property and they did attempt to work with American Hospital Management to have the leak repaired. When the leak was finally located and repaired, the effect of the leak appears to have spanned into

the July 2016 meter read/billing period, causing a significantly higher than normal bill for the Vangari's in July 2016. Their metered use in August 2016 was 15 ccf with no leak indicator.

The average monthly water use for the Vangari's with the exception of June 2016 and July 2016, has been 17 ccf.

The Vangari's are requesting a variance/credit of \$162.14 on the July 2016 bill of \$232.14 and to only be responsible for \$70.00 but the average total bill the Vangari's have paid outside of the June and July 2016 billings has been \$77.37.

By applying the 49 ccf use from July 2016 to the standard leak adjustment calculation, the Vangari's would receive a credit of \$75.20, **Attachment 5**. Making them responsible to pay \$156.94.

The specific language from MCSD Rule and Regulations pertaining to variances are enclosed in quotations:

"The MCSD Rules and Regulations 63.01 Variances states:

The Board may, in specific cases, grant a variance from any provision of the standards incorporated into these Rules and Regulations whenever it finds:

(A) that special circumstances exist in a particular case, and

(B) that practical difficulties or unnecessary hardship would result from strict interpretation and enforcement of any standard, and

(C) that the granting of such a variance would not tend to defeat the purposes of these Rules and Regulations. The Board may place conditions upon such variances."

Alternatives:

Staff analysis consists of the following potential alternative

- Take No Action

Fiscal Analysis:

The variable cost is calculated with the first 8 ccf billed @ \$1.27/ccf and \$3.16/ccf for each ccf over 8. The Humboldt Bay Municipal Water District Pass Through (wholesale) rate for May and June was \$1.39/ccf, in July it was \$1.54/ccf and August \$1.53/ccf. The total listed below does not include the charge for monthly meter base rate for a 5/8 meter.

Customer:		Veena Vangari			
Service Address:		103 Jensen			
Date	Read	Consumed	Variable Cost	wholesale cost	Total
August 2016	292	15 ccf	\$32.28	\$22.95	\$55.23
July 2016	277	49 ccf**	\$139.72	\$75.46	\$215.18
June 2016	228	67 ccf*	\$196.60	\$93.13	\$289.73
May 2016	161	18 ccf	\$41.76	\$25.02	\$66.78
* leak month					
** spillover					

Environmental Requirements:

Not applicable

Exhibits/Attachments:

- Attachment 1 – Investigation Application from Veena Vangari
- Attachment 2 – Summary of interaction of CSR J Patton and the Vangari's concerning the evidence of leak
- Attachment 3 – Transaction history on account VAN0083
- Attachment 4 – Copy of approved and processed water leak adjustment request including the leak adjustment policy.
- Attachment 5 – Leak Adjustment Calculation based on July 2016 use.

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

RECEIVED

JUL 14 2016

McK. C.S.D.

INVESTIGATION APPLICATION

1. NAME: Veena Vangari
2. MAILING ADDRESS
103 Jensen Drive
McKinleyville CA - 95519
3. PHONE #: 530-501-5145 (916-969-0990)
4. SERVICE ADDRESS: 103 Jensen Drive, McKinleyville CA, 95519.
5. CUSTOMER #: VAN0083
6. MCSD AMOUNT DUE: 232.14
7. DUE DATE: 07/22/2016
8. WHAT AMOUNT DO YOU PROPOSE? \$70.00
9. HOW DID YOU CALCULATE #8?
Average bill for 8 regular months before
leakage.
10. EXPLAIN WHY YOU DISPUTE MCSD AMOUNT DUE:
The leak was not repaired timely. It was
fixed on 6/8/2016. We paid the bill on 6/16/2016
for 306.69 (paid in 2 installments with discount
total of 192.64).
The bill for June is again very high 232.14. This
is outrageous amount. We are unable to pay this high
amount every month. please assist with reduction
to our regular average bill of 70.00 dollars

SIGNED:

DATE:

Weph

07/14/2016

Thank you for your help &
assistance in advance
Weph
(Veena Vangari)

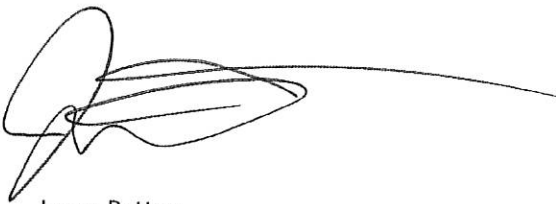
This is an account of the billing and contact made with account VAR0083 (Veena and Sanjay Vangari) in reference to their leak from the start of their service on September 2015 until the most recent billing in July 2016. After researching the billing, this customer took over on September 8, 2015.

Prior to this, the account was under AME0041 (American Hospital Management who are the managers for this property when not in a tenant's name). During the time under American Hospital Management, we replaced all meters in this route with radio read meters which send a signal to the handhelds indicating whether there is an active leak. On the first reading of this meter after the replacement, there was an indication of a leak. American Hospital Management was notified of the leak indicator.

Following contact made with American Hospital Management, the Vangari's started their service with us on September 8, 2016.

Since the beginning of service with the McKinleyville Community Services District, the Vangari's have had a leak indication eight out of nine months. I called them to advise them of this five separate months during billing. The only month that the Vangari's didn't indicate a leak was March 2016. They advised that they had fixed a leak at that time. During the April 2016 billing the leak indication was back again. During the month of May and June 2016 the Vangari's were contacted both months by me. At this time Mr. Vangari requested that I call the property management company, American Hospital Management, and advise them. I did so, and was told by the property management company that American Hospital Management had sent a plumber to this property on three separate instances and had not been able to make the leak indication ~~stop~~ stop. American Hospital Management stated that they were going to send out a plumber one final time to address the issue. After the final visit by the plumber, American Hospital Management said they found a cracked or broken pipe underneath the house. They also advised that a person standing in the house could hear the leak coming from under the house.

These statements are true to the best of my knowledge.

A handwritten signature in black ink, appearing to read 'Jason Patton', with a long horizontal line extending to the right.

Jason Patton

McKinleyville CSD

July 15, 2016

REPORT.: 08/25/16
 RUN....: 08/25/16 TIME: 08:29
 Run By.: DAVID BALDOSSER

McKinleyville C.S.D.
 Transaction History Print
 Customer VAN0083

Item E.1 Attachment 3

PAGE: 001
 ID #: MQCM
 CTL.: MCK

Customer Id.: VAN0083
 Location Id.: 0001334
 Rte/Service.: 001/3350
 Serv. Addr.: 103 JENSEN DRIVE
 City/St/Zip.: MCKINLEYVILLE, CA. 95519

Name.....: VANGARI, VEENA AND SANJAY
 Status.....: Tenant, Active Customer
 Mailing Addr.: 103 JENSEN DRIVE
 Mailing Addr.:
 City/St/Zip.: MCKINLEYVILLE, CA. 95519 9245 03

Last Billed.: 08/04/16
 Last Service.: 08/01/16
 Current Due.: 72.19
 Late Due.....: 89.95
 Total Due....: 162.14

Date	Water Base	WATER USE	HBMWD	WTR LK ADJ	Payment	Billed
10/07/15	14.75	35.29	23.63		-73.67	73.67
11/05/15	15.80	38.18	25.02			
11/16/15					-79.00	79.00
12/02/15	15.80	26.62	19.46			
12/11/15					-61.88	61.88
01/07/16	16.96	48.08	27.80			
01/12/16					-92.84	92.84
02/04/16	16.96	35.44	22.24			
02/12/16					-74.64	74.64
03/02/16	16.96	32.28	20.85			
03/14/16					-70.09	70.09
04/07/16	16.96	44.92	26.41			
04/18/16					-88.29	88.29
05/02/16	16.96	41.76	25.02			
05/09/16					-83.74	83.74
06/02/16	16.96	196.60	93.13			
06/09/16				-113.75		
06/15/16					-100.00	
06/16/16					-92.94	192.94
07/08/16	16.96	139.72	75.46			
07/14/16					-70.00	232.14
08/04/16	16.96	32.28	22.95			
08/18/16					-72.19	72.19
Totals..:	182.03	671.17	381.97	-113.75	-959.28	1121.42

WATER USAGE HISTORY

FISC	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
2016	0	0	0	17	18	14	20	16	15	19	18	67
2017	49	15	0	0	0	0	0	0	0	0	0	0

AVERAGE..: 11.17

McKinleyville Community Services District
1656 Sutter Road
McKinleyville, Ca 95519
(707) 839-3251

RECEIVED

JUN - 9 2016

McK. C.S.D.

Water Leak Adjustment Request


Date: 06/09/2016Name: Veena Vangari Phone Number: 530-501-5145Service Address: 103 Jensen Drive, McKinleyville CA 95519.

Explanation of leak and/or repair: 3/4" x 1/2" copper tee on cold water main freed under house sitting on piece of metal causing copper to break / metal removed & tee replaced

Date repaired: 6-8-16

If available, please provide receipts for parts or a copy of the plumber's bill. IF NO RECEIPTS ARE PROVIDED, THE DISTRICT MAY WAIT UNTIL THE NEXT SCHEDULED METER READ DATE TO VERIFY THAT THE LEAK HAS BEEN REPAIRED.

IF THIS ADJUSTMENT IS ACCEPTED, YOU WOULD NOT BE ELIGIBLE FOR ANOTHER ADJUSTMENT FOR 2 YEARS.

Signature: 

FOR OFFICE USE ONLY

Customer # VAN0083Rte/Svc 001 3350Customer Notified Water Credit \$ 113.75Listed In File Sewer Credit \$ 0Line 11 Noted Total Credit \$ 113.75Adjustment Done Supervisor Approval District Manager Approval 

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

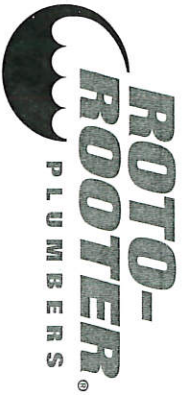
WATER LEAK ADJUSTMENT POLICY

In order to promote water conservation, The General Manager or designee is authorized to consider a potential adjustment to a customer's water and sewer bill one month out of any 24-month period where the customer proves that excess usage occurred as a result of a water leak and that the leak has been repaired. Listed below are the conditions required to be eligible for an adjustment:

1. Customers may apply for a water leak adjustment by completing a Water Leak Adjustment Request Form available at the MCSD office, 1656 Sutter Road, McKinleyville.
2. Customers will provide receipts for parts or a copy of the plumber's bill if available. If no receipts are provided, the District may wait until the next scheduled meter read date to verify that the leak has been repaired.
3. The adjustment may be calculated as up to 50% of the difference between the actual water charge for the month of the leak and the average monthly charge based on the previous 12 month use or the longest period of the customer's use, if less than 12 months.
4. The maximum amount of any single adjustment by the General Manager shall not exceed \$500.00.
5. The decision of the General Manager shall be final unless the Board Chairman finds there would be good cause for a Board hearing or appeal.

Attachment: Water Leak Adjustment Form

Revised May 18, 2011 by Board action



(707) 822-2688
(707) 839-2646
(707) 923-7518
(707) 445-0571
(707) 725-3735



(707) 822-8641
(707) 839-8642
(707) 444-8642

955997

700 South G Street, Arcata, CA 95521

(707) 822-0982 Fax

Plumbing 911, Inc. STATE LIC. #955999

CONTRACT NO. 35093

DATE

6-8-16

TECHNICIAN

Wanda Brodie #

CONTRACT ADDENDUM

SO#

JOB START DATE

COMPLETION DATE

PAID BY

C.C. #

EXP.

30 DAY BILLING

10 DAY BILLING

AUTH. #

AUTH. BY

A WORD ABOUT PRICES

Our goal is to provide you with the highest quality service and a warranty you can understand and trust for absolute satisfaction.

Many of the products we offer are available only in professional grade plumbing products and are not the same as look-alike items in home centers. Our on-site replacement warranties are highly regarded as a hassle alternative to the "bring or send-to-manufacturer" warranties.

We deliver service in your home/business via fully equipped service vehicle with a highly trained, insured technician able to spot other possible problems or opportunities in your particular application.

We hope you agree that these increased levels of service and warranty come with a value and price higher than you may see from our competitors.

Value Rate Is For Service Agreement Customers Only

Value Rate Pricing will be honored for a period of 30 days with purchase of Service Agreement

You Save

\$

REMOVE OLD PARTS: YES ☐ NO ☐

SUB TOTAL

DIAGNOSTIC FEE

ADDENDUM TOTAL

OTHER:

TOTAL

19.00

NAME: Vicky Sleight
ADDRESS: 103 Terra Vista X 2 Coppe
CITY: Arcata STATE: CA ZIP: 95521
HOME PHONE: (707) 822-0982 WORK PHONE: (707) 822-0982

NAME: Arcata Hosp. In coll.
ADDRESS: 4000 Broadway Ave Main cred 4/25/18
CITY: Arcata STATE: CA ZIP: 95521
HOME PHONE: (707) 822-0982 WORK PHONE: (707) 822-0982

We wish to provide the highest level of professionalism and quality service along with the best customer assurance policy in the industry. Our service repair warranty policy is:

1. All parts replaced by us will be warranted to be free of defects for a period of 90 days.

Many service companies provide 30, 60, or 90 day warranties. We feel that the parts we install have been carefully selected and meet or exceed manufacturer specifications. For this reason we feel comfortable offering this excellent warranty. The labor to install the warranted part(s) is discussed in item #2 below.

2. Our repair labor is warranted for a period of 90 days. This is the labor to repair or replace the part we installed in the initial repair and not to correct other problems that may have arisen in the interim.

AUTHORIZATION TO PROCEED WITH WORK I hereby authorize the herein below described work at the below listed price. I agree to pay 1.34% per month for past due contracts (minimum charge \$20). In the event that collection efforts are initiated against me, I shall pay for all associated fees and costs expended by contractor plus interest at the rate specified above. By the addition of my signature below, I agree that I have received a copy of this contract, and that I have read, understand, and agree to the terms listed herein and on the reverse side.

YOU, THE OWNER OR TENANT, HAVE THE RIGHT TO REQUIRE THE CONTRACTOR TO HAVE A PERFORMANCE AND PAYMENT BOND AND YOU MAY CANCEL THIS TRANSACTION AT ANY TIME PRIOR TO MIDNIGHT OF THE THIRD BUSINESS DAY AFTER THE DATE OF THIS TRANSACTION. FOR AN EXPLANATION OF THIS RIGHT, SEE THE ATTACHED NOTICE OF CANCELLATION FORM. CANCELLING AFTER WORK HAS BEGUN, OR AFTER YOU HAVE WAIVED YOUR RIGHT TO CANCEL IS UNLAWFUL.

SIGNATURE X

DIAGNOSIS/SOLUTION: WATER LEAK / Located water leak in under house, leaks on 3/4" x 3/8" copper tee. Pipe was sitting on metal causing copper to break. Metal piece removed & copper tee replaced w/ new 1/2" x 3/4" end of line cap lid to be removed to stop cap cell w/ new one. Line pressurized, NO leaks.

QUAN: 1 TASK/ADD-ON # 1 DESCRIPTION: Repair 3/4" x 3/8" copper tee w/ new one & couplings & new 1/2" cap. VALUE RATE: \$1149.00

ACCEPTANCE OF WORK PERFORMED -- I acknowledge satisfactory completion of the above described work, and that the premises have been left in a satisfactory condition. I agree that the amount set forth in the space marked "TOTAL" is the total flat price I have agreed to.

SIGNATURE

SERVICE TECHNICIAN -- Prior to the customer entering into the contract, I have discussed the nature of the service and cost, have given the "Notice to Owner" form, and orally explained the right to cancel with the customer. I have given a copy of the contract to the customer. All work I have done has been in compliance with company standards in a workmanship manner, to building codes when applicable.

SIGNATURE X

Water Leak Adjustment VAN0083
 Leak Month: 06/2016
 Leak Credit Date: 06/2016
 # of Units: 1

	67.00	ccf
Average Water Use Prior 12 months	17	ccf

		Month 0	36.0
Total Water Charge	\$289.73	Month -1	17.0
Total Water Charge Prior 12 Months Average Use	\$62.23	Month -2	18.0
		Month -3	14.0
Excess Water Use Charges	\$227.50	Month -4	20.0
	x 50%	Month -5	16.0
		Month -6	15.0
Water Leak Adjustment	\$113.75	Month -7	19.0
		Month -8	18.0
Sewer Charge	\$21.96	Month -9	0.0
Average Sewer Charge Prior 12 months	\$21.96	Month -10	0.0
		Month -11	0.0
Sewer Leak Credit	\$0.00	Month -12	0.0
Total Excess Charges	\$113.75	Total	137.0
		Average	17

Water Leak Adjustment VAN0083
 Leak Month: 07/2016
 Leak Credit Date: 09/2016
 # of Units: 1

Water Use in leak month	49.00	ccf
Average Water Use Prior 12 months	17	ccf

		Month 0	49.0
Total Water Charge	\$215.18	Month -1	0.0
Total Water Charge Prior 12 Months Average Use	\$64.78	Month -2	0.0
	-----	Month -3	17.0
Excess Water Use Charges	\$150.40	Month -4	18.0
	x 50%	Month -5	14.0
	-----	Month -6	20.0
Water Leak Adjustment	\$75.20	Month -7	16.0
		Month -8	15.0
Sewer Charge	\$26.16	Month -9	19.0
Average Sewer Charge Prior 12 months	\$26.16	Month -10	18.0
	-----	Month -11	15.0
Sewer Leak Credit	\$0.00	Month -12	0.0

Total Excess Charges	\$75.20	Total	152.0
		Average	17

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **ACTION**

ITEM: E.2 **Approve Resolution 2016 – 15 Calling for an election to fill a vacant board seat at the established election date on March 7, 2017**

PRESENTED BY: **Gregory Orsini, General Manager**

TYPE OF ACTION: **Roll Call Vote**

Recommendation:

Staff recommends that review the information provided, take public comment and approve Resolution 2016-15 calling for an election to the fill the vacant board seat during the March 7, 2017 election.

Discussion:

The County of Humboldt Register of Voters was notified shortly after the August 2016 meeting that Director Edwards seat had been vacated. This item is being revisited due to additional information provided by District Counsel.

The August 21 deadline relates to calling an election. Though there is no explicit statutory requirement that an election under these circumstances be called by passing a resolution, the evidence District Counsel found indicates that a resolution is the most prudent way to call an election. The best example of this evidence is Elections Code 10403, which states that when an election called by a district and that election is to be consolidated with a statewide election, the district shall file a resolution that requests such consolidation. This resolution “shall be adopted and filed at the same time as the adoption of the ordinance, resolution, or order calling the election.” (Emphasis added.)

The Board should be within the law by calling this election at their September 7, 2016 meeting. This is because Government Code section 1780(c) says the board may fill the vacancy either by appointment or calling an election, and section 1780(e) says if the board calls the election, the board may do so within 60 days of the date of the vacancy. If the board fails to call it within 60 days, the Board of Supervisors of the county may appoint someone or order the District to call an election within 90 days of the date of vacancy. If the Board of Supervisors does nothing, section 1780(g) says the board shall call an election.

Therefore, since the District has not passed a resolution calling for the election, the next steps are to:

1. Ignore any August 21 deadline, as that applies to the 60 days the board has to call the election under 1780(e).

2. Prepare and pass Resolution 2016-15 calling the election and requesting consolidation with the countywide/statewide March 7, 2017 election. The board should pass this resolution at their September meeting.

There are further requirements notes in checklist below. Some of the requirements may be covered by the County when they take over the technicalities of the election, but District Counsel will confirm that. Theoretically, this process should have been followed every time the board held an election for their seats so none of the pre-election date requirements should be unfamiliar or daunting to the board and staff.

___ 09/2016 Board Meeting: Pass resolution calling the election.

___ By 11/2/2016: Notify the county elections official using 10509 notification form (already drafted).

___ By 11/14/2016: Make forms for declarations of candidacy available to the public. (May be handled by county?) (All forms must be filed by candidates by 5:00p.m. on December 9.) (Elec. Code, § 10510.)

___ By 12/9/2016: File the resolution with the Board of Supervisors (and a copy with the elections official). (Elec. Code, § 10403.)

___ By 12/14/16: If there are no candidates or there is only one candidate by December 14, the County Board of Supervisors can go through a process (to be detailed at that time if applicable) to simply appoint the one candidate or appoint any person qualified. (Elec. Code, §§ 10500(b)(13), 10515.)

___ By 12/16/16: The names of the candidates to appear upon the ballot where district offices are to be filled shall be filed with the county elections official no later than 81 days prior to the election. (May be handled by county?) (Elec. Code, § 10403.)

Alternatives:

Staff analysis consists of the following potential alternative

- Take No Action

Fiscal Analysis:

MCSD expense for election to be determined

Environmental Requirements:

Not applicable

Exhibits/Attachments:

- Attachment 1 – Resolution 2016-15
- Attachment 2 – Notice to Elections Officer

RESOLUTION 2016 – 15

A RESOLUTION OF THE BOARD OF THE MCKINLEYVILLE COMMUNITY SERVICES DISTRICT CALLING FOR AN ELECTION TO FILL A VACANT BOARD SEAT AT THE ESTABLISHED ELECTION DATE ON MARCH 7, 2017; REQUESTING THE BOARD OF SUPERVISORS OF HUMBOLDT COUNTY TO CONSOLIDATE SAID ELECTION WITH THE STATEWIDE ESTABLISHED ELECTION; REQUESTING ELECTION SERVICES BY THE COUNTY ELECTIONS OFFICER; AND DIRECTING THE BOARD SECRETARY TO TAKE ANY AND ALL ACTIONS NECESSARY UNDER LAW TO PREPARE FOR AND CONDUCT THE ELECTION.

WHEREAS, on June 22, 2016, Board Member Helen Edwards submitted her resignation, and said resignation was accepted by the Board on July 6, 2016; and

WHEREAS, Board Member Edwards' term was scheduled to expire in December, 2019; and

WHEREAS, Section 1780 of the California Elections Code allows the board of a special district to call an election to fill a vacant board seat; and

WHEREAS, the Board desires to submit to the voters an election to fill the vacant Board seat for the remainder of Board Member Edwards' term; and

WHEREAS, the Board desires to have the Humboldt County Elections Officer render certain services in connection with the election; and

WHEREAS, other elections may be held in whole or in part of the territory of the District and it is to the advantage of the District to consolidate pursuant to Elections Code Section 10403; and

WHEREAS, Elections Code Section 13307(e) requires that before the nominating period opens the district board must determine whether a charge shall be levied against each candidate submitting a candidate's statement to be sent to the voters; and

WHEREAS, Elections Code Section 10002 requires the District to reimburse the County in full for services performed upon presentation of a bill to the District by the County; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the McKinleyville Community Services:

1. That the foregoing recitals are true and correct and are hereby incorporated by reference.

2. That pursuant to California Elections Code Section 1780, the McKinleyville Community Services District hereby calls an election at which it shall submit to the

qualified voters of the District an election to fill the vacant Board seat for the remainder of Board Member Edwards' term in accordance with the following specifications:

The purpose of the election is to choose a member of the Board of Directors of the McKinleyville Community Services District for the following seat. The following is the elected office holder of the District who resigned, and whose successor will be required to be elected at the election to be held on March 7, 2017:

<u>Director</u>	<u>Office</u>	<u>Term</u>
Helen Edwards	Director	Remainder of unexpired four-year term; Term will end December, 2019.

3. That the McKinleyville Community Services District requests and consents to consolidation of this election with other elections which may be held on March 7, 2017, in whole or in part of the territory of the district, pursuant to Elections Code 10403.

4. That the County of Humboldt Registrar of Voters is authorized to canvass the returns of the District election. The election shall be held in all respects as if there were only one election, and only one form of ballot shall be used.

5. That the Board of Supervisors is requested to issue instructions to the Humboldt County registrar of voters take any and all steps necessary for the holding of the consolidated election.

6. That the McKinleyville Community Services District recognizes that additional costs will be incurred by the County of Humboldt by reason of this consolidation and agrees to reimburse the County for any costs.

7. That the McKinleyville Community Services District acknowledges that the consolidated election will be held and conducted in the manner prescribed in Elections Code section 10418.

8. That each Candidate will pay for the Candidate's Statement. The Candidate's Statement will be limited to 200 words.

8. That this Resolution shall become effective immediately upon its adoption and the General Manager is directed to send certified copies of the Resolution to the Humboldt County Board of Supervisors and the Humboldt County Registrar of Voters.

ADOPTED, SIGNED AND APPROVED at a duly called meeting of the Board of Directors of the McKinleyville Community Services District on September 7, 2016 by the following polled vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

George Wheeler, Board President

Attest:

Lesley Frisbee, Board Secretary

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

TO: Kelly E. Saunders, Humboldt County Elections Official

FROM: Gregory Orsini, General Manager, McKinleyville Community Services District

DATE: September ____, 2016

RE: Notice of Election (Elections Code § 10509)

Notice was previously given pursuant to Government Code section 1780(b) that the McKinleyville Community Services District has a vacancy on its board following the resignation of a board member.

Notice is now hereby given pursuant to Elections Code § 10509 by Resolution 2016 – 15 of the McKinleyville Community Services District as Attachment 1 that this vacant board seat is to be filled at the next election that is at least 130 days from the date the election was called (specifically, the **March 7, 2017** established election date). (See, Elec. Code, § 1780(e)(2).) In addition, the seat is for the *unexpired term* of the board member who vacated the seat. The term will expire in December, 2019. Last, the candidates will pay for publication of any statements of qualifications not to exceed 200 words.

Gregory Orsini, General Manager

McKinleyville Community Services District

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **INFORMATIONAL**

ITEM: E.3 **Review results of Board Self Evaluation**

PRESENTED BY: **Gregory Orsini, General Manager**

TYPE OF ACTION: **None**

Recommendation:

Staff recommends that the Board review the summary of the results of the Board Self Evaluation forms, take public comment, and discuss the compiled results.

Discussion:

The members of the Board completed confidential self-evaluation work sheets. The results have been compiled and tabulated for the number of Board Members that chose the rating indicated with a range of the scores and the averages listed below each category.

On the third item down, "Have a good working relationship with the other Board Members?" one response was tallied between 4 and 5 hence the 1.5 tallies for 4 and 5 on that item.

Alternatives:

Take No Action

Fiscal Analysis:

Not applicable

Environmental Requirements:

Not applicable

Exhibits/Attachments:

- Attachment 1 – Summary of Board Member self-evaluation scores

McKinleyville Community Services District Board of Directors Self-Evaluation Worksheet Summary

August 2016

Summary of Board Self Evaluation worksheets.

1 = Not Sure 2 = Not Satisfied 3 = Somewhat Satisfied 4 = Satisfied 5 = Very Satisfied
Circle the number that most accurately describes your perception for each item.

DO YOU or ARE YOU:

Understand the vision and mission of the McKinleyville Community Services District?	1	2	3	4-1	5-3
---	---	---	---	-----	-----

Range 4 to 5, Average 4.75

Support the vision and mission of MCSD?	1	2	3	4	5-4
---	---	---	---	---	-----

Range 5, Average 5

Have a good working relationship with the other Board Members?	1	2	3-1	4-1.5	5-1.5
--	---	---	-----	-------	-------

Range 3 to 5 Average 4.13 (1 ranking of 4.5)

Have a good working relationship with the General Manager?	1	2	3	4	5-4
--	---	---	---	---	-----

Range 5, Average 5

Knowledgeable about MCSD's major programs and services?	1	2	3	4	5-4
---	---	---	---	---	-----

Range 5, Average 5

Follow trends and important developments in the industries and services that MCSD provides?	1	2	3	4	5-4
---	---	---	---	---	-----

Range 5, Average 5

Read and understand MCSD's financial statements?	1	2	3-1	4-3	5
--	---	---	-----	-----	---

Range 3 to 4, Average 3.75

Act knowledgeably and prudently when making recommendations about MCSD finances and financial policies in consideration of the District as a whole?	1	2	3	4-1	5-3
---	---	---	---	-----	-----

Range 4 to 5, Average 4.75

While considering short-term administrative matters, are you also focusing on long-term and significant policy issues and impacts?	1	2	3	4-1	5-3
--	---	---	---	-----	-----

Range 4 to 5, Average 4.75

Recommend qualified individuals with relevant skills and experience as possible nominees for the Board and committees?	1	2	3-1	4	5-3
--	---	---	-----	---	-----

Range 3 to 5, Average 4.5

Prepare for and participate at Board and committee meetings, as well as other MCSD events?	1	2	3	4-2	5-2
--	---	---	---	-----	-----

Range 4 to 5, Average 4.5

Willingly volunteer and use your special skills to further the MCSD vision and mission?	1	2	3	4-1	5-3
---	---	---	---	-----	-----

Range 4 to 5, Average 4.75

Complete assignments and responsibilities in a responsible and timely manner?	1	2	3	4-1	5-3
---	---	---	---	-----	-----

Range 4 to 5, Average 4.75

Speak for the Board or MCSD only when authorized to do so?	1	2	3	4	5-4
--	---	---	---	---	-----

Range 5, Average 5

Take advantage of opportunities to enhance the MCSD public image by periodically speaking to others about the work of the District?	1	2	3	4	5-4
---	---	---	---	---	-----

Range 5, Average 5

Respectful to all while conducting District business?	1	2	3	4	5-4
---	---	---	---	---	-----

Range 5, Average 5

ADDITIONAL COMMENTS:

None of the worksheets contained additional comments.

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **ACTION**

ITEM: E.4 **Approve Blastco, Inc. as the successful bidder related to bids received for the Cochran Tank 1B painting Request for Proposals (RFP), including budget amendment to Fiscal Year 2016/2017 and authorize Board President to execute construction contract**

PRESENTED BY: **Greg Orsini, General Manager**

TYPE OF ACTION: **Voice Vote**

Recommendation:

The Staff recommends the Board review the information presented take public comment and:

- Award the bid for preparation and painting to Blastco, Inc. for the sum of \$375,000.00
- Award the contract for coating inspection to Bay Area Coating Consultants, Inc. for the sum of \$40,100.00
- Include a 10% project contingency of \$37,500.00
- Authorize staff to amend the existing Capital Improvement budget for a total of \$491,600.00 including \$39,000.00 for design and construction management
- Authorize the Board President to sign the necessary documents to allow the awarding of the contract and the General Manager to sign the notice to proceed

Discussion:

The MCSD Capital Improvement budget scheduled the Cochran Road 1.5-million-gallon water tank to be repainted this fiscal year. The tank was constructed and last painted in 1989.

Project Description: The Cochran Tank is to be sand blasted to white metal on the interior, primed and painted. The exterior will be water blasted, sanded, primed and the entire exterior top coated to design Standards and Specifications. Construction management will be performed by the design

engineer and coating inspection will be performed by a certified coating specialist.

The Board took action in July 2016 to authorize staff to contract with Oscar Larson and Associates to prepare and advertise a Request for Proposals (RFP). The RFP was issued and appropriately advertised August 5, 2016 and bids were accepted through August 29, 2016 at 2:00 pm. A Mandatory pre-bid meeting was held on August 18th. Three bidders responded and are as follows:

Item	Description	Blastco, Inc.	Advanced Industrial Services, Inc.	Crosno Construction Inc.
1	Mobilization/ Demobilization	\$37,000.00	\$11,000.00	\$11,500.00
2	Replace Interior Coating	\$296,000.00	\$301,400.00	\$252,500.00
3	Overcoat Painting and Spot Clean-up of Exterior Coating	\$38,000.00	\$63,900.00	\$130,000.00
4	Tank Disinfection and Testing	\$4,000.00	\$7,600.00	\$5,000.00
	Total	\$375,000.00	\$383,900.00	\$399,000.00

Blastco, Inc. was low bidder at \$375,000.00. Their bid was determined to be responsive and responsible and was received on time. The required licensing, bonding and insurance are all in order.

As the coatings for this project are highly specialized, staff determined the necessity to secure the services of a Coating Inspector for this project. Due to their familiarity with Oscar Larson and their experience, Bay Area Coating Consultants will be recommended for this project.

Alternatives:

Staff's analysis includes the following potential alternative:

- Take no action

Fiscal Analysis:

Respective Firm	Associated Cost
Blastco, Inc	\$375,000.00
Bay Area Coating Consultants, Inc.	\$40,100.00
Oscar Larson and Associated	\$39,000.00
10% Contingency	\$37,500.00
Total Project Cost	\$491,600.00

Clearly staff estimation in the Capital Budget was low. A budget adjustment has been added to the motion for this reason.

Environmental Requirements:

All environmental requirements will be addressed by the painting contractor.

Exhibits/Attachments

- Attachment 1 – Blastco, Inc. Proposal
- Attachment 2 – Advanced Industrial Services, Inc Proposal
- Attachment 3 – Crosno Construction Inc. Proposal
- Attachment 4 – Bay Area Coating Consultants, Inc. Proposal
- Attachment 5 – Bay Area Coating Consultants, Inc. Professional Services Agreement
- Attachment 6 – Blastco, Inc. Professional Services Agreement

(DO NOT DETACH)

PROPOSAL TO THE BOARD OF DIRECTORS
OF THE MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

FOR

COCHRAN ROAD 1.5 MG TANK PAINTING PROJECT

BID NO. 2016-01

To the Board of Directors of the McKinleyville Community Services District:

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location(s) of the proposed work and the proposed form of the contract and the plans and specifications; and he agrees if this proposal is accepted, that he will contract with the District, in the form of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time prescribed and according to the requirements of the Engineer; that he will provide the bonds as required herein at the time he executes the contract; that he will provide proof of insurance as provided herein; that he will begin the work on the project within TEN (10) CALENDAR DAYS after receiving notice from the District to proceed, and diligently prosecute the same to completion within 60 calendar days; and that as provided for in the General Provisions, the liquidated damage shall be in the sum of **TWO HUNDRED FIFTY and no/100 dollars (\$250.00)** per day for each and every calendar day's delay in finishing the work beyond the time described herein, and that he will take in full payment therefore the following unit or lump sum prices, as the case may be, to wit:

BID SCHEDULE

BID ITEM NO.	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL ITEM PRICE
1.	Lump Sum	Mobilization/Demobilization at a fixed price of _____ dollars.	\$ <u>37,000</u>	\$ <u>37,000</u>
2.	Lump Sum	Replace Interior Coating at _____ dollars.	\$ <u>296,000</u>	\$ <u>296,000</u>
3.	Lump Sum	Overcoat Painting and Spot Clean-up of Exterior Coating at _____ dollars.	\$ <u>38,000</u>	\$ <u>38,000</u>
4.	Lump Sum	Tank Disinfection and Testing at _____ dollars.	\$ <u>4,000</u>	\$ <u>4,000</u>
Total Project Bid In Words: <u>THREE HUNDRED SEVENTY FIVE THOUSAND DOLLARS</u> Dollars.			Total Bid in Figures : \$ <u>375,000.00</u>	



Signature of Bidder

BLASTCO INC

Company

BIDDER MUST SIGN THIS PAGE

(DO NOT DETACH)

PROPOSAL TO THE BOARD OF DIRECTORS
OF THE MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

FOR

COCHRAN ROAD 1.5 MG TANK PAINTING PROJECT

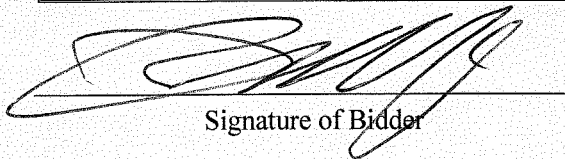
BID NO. 2016-01

To the Board of Directors of the McKinleyville Community Services District:

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location(s) of the proposed work and the proposed form of the contract and the plans and specifications; and he agrees if this proposal is accepted, that he will contract with the District, in the form of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time prescribed and according to the requirements of the Engineer; that he will provide the bonds as required herein at the time he executes the contract; that he will provide proof of insurance as provided herein; that he will begin the work on the project within TEN (10) CALENDAR DAYS after receiving notice from the District to proceed, and diligently prosecute the same to completion within 60 calendar days; and that as provided for in the General Provisions, the liquidated damage shall be in the sum of **TWO HUNDRED FIFTY and no/100 dollars (\$250.00)** per day for each and every calendar day's delay in finishing the work beyond the time described herein, and that he will take in full payment therefore the following unit or lump sum prices, as the case may be, to wit:

BID SCHEDULE

BID ITEM NO.	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL ITEM PRICE
1.	Lump Sum	Mobilization/Demobilization at a fixed price of <u>Eleven thousand</u> dollars.	\$ <u>11,000</u>	\$ <u>11,000</u>
2.	Lump Sum	Replace Interior Coating at <u>three hundred</u> <u>onethousand four hundred</u> dollars.	\$ <u>301,400</u>	\$ <u>301,400</u>
3.	Lump Sum	Overcoat Painting and Spot Clean-up of Exterior Coating at <u>Sixty three thousand</u> <u>nine hundred</u> dollars.	\$ <u>63,900</u>	\$ <u>63,900</u>
4.	Lump Sum	Remove and Replace Cathodic Protection at <u>Seventhousand six</u> <u>hundred</u> dollars.	\$ <u>7,600</u>	\$ <u>7,600</u>
Total Project Bid In Words: <u>Three hundred eighty</u> <u>three thousand nine hundred</u> Dollars.			Total Bid in Figures : \$ <u>383,900</u>	


Signature of Bidder

Advanced Industrial Services, Inc.
Company

BIDDER MUST SIGN THIS PAGE

(DO NOT DETACH)

PROPOSAL TO THE BOARD OF DIRECTORS
OF THE MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

FOR

COCHRAN ROAD 1.5 MG TANK PAINTING PROJECT

BID NO. 2016-01

To the Board of Directors of the McKinleyville Community Services District:

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location(s) of the proposed work and the proposed form of the contract and the plans and specifications; and he agrees if this proposal is accepted, that he will contract with the District, in the form of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time prescribed and according to the requirements of the Engineer; that he will provide the bonds as required herein at the time he executes the contract; that he will provide proof of insurance as provided herein; that he will begin the work on the project within TEN (10) CALENDAR DAYS after receiving notice from the District to proceed, and diligently prosecute the same to completion within 60 calendar days; and that as provided for in the General Provisions, the liquidated damage shall be in the sum of **TWO HUNDRED FIFTY and no/100 dollars (\$250.00)** per day for each and every calendar day's delay in finishing the work beyond the time described herein, and that he will take in full payment therefore the following unit or lump sum prices, as the case may be, to wit:

BID SCHEDULE

BID ITEM NO.	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL ITEM PRICE
1.	Lump Sum	Mobilization/Demobilization at a fixed price of <u>eleven thousand five hundred</u> dollars.	\$ <u>11,500</u>	\$ <u>11,500</u>
2.	Lump Sum	Replace Interior Coating at <u>two hundred fifty two five hundred</u> dollars.	\$ <u>252,500</u>	\$ <u>252,500</u>
3.	Lump Sum	Overcoat Painting and Spot Clean-up of Exterior Coating at <u>one hundred thirty thousand</u> dollars.	\$ <u>130,000</u>	\$ <u>130,000</u>
4.	Lump Sum	Tank Disinfection and Testing at <u>five thousand</u> dollars.	\$ <u>5,000</u>	\$ <u>5,000</u>
Total Project Bid In Words: <u>three hundred ninety nine thousand</u> Dollars.			Total Bid in Figures : \$ <u>399,000</u>	

Signature of Bidder

Company

Crosno Construction Inc.

BIDDER MUST SIGN THIS PAGE



Section B

Cost of Services

As of January 1, 2015 All Coating Inspection firms now fall under the State of California Prevailing Wage Requirements. The listing as per the Operating Engineers Union is Construction Inspector Group II.

Prevailing Wage Group II Construction Inspector
 DIR Public Works Contractor (PWC) Registration #1000005228
 Expires 06/30/2017

National Association of Corrosion Engineers Certified Coating Inspector includes all state of the art inspection equipment and daily reports and travel.

Item	Days	Labor Hours	Hotel	Total \$\$
1.5 MG. Reservoir	45	360.0	\$4,500.00	\$40,100.00
				Total Cost: \$40,100.00

BUILDING/CONSTRUCTION INSPECTOR TESTER GROUP II	
(NACE Certified) Prevailing Wage Billing Rates	
Base Rate: Billing Rate \$99.89 per Hour	
Time X 1.5 Billing Rate \$149.94 per Hour	
Double Time: Billing Rate \$199.78 per Hour	
Truck Charge: \$5.00 per Hour	
Subsistence/Hotel: \$0.00 per day	

Northern California (888)-384-6839 Bakersfield California (661) 873-3601
 Southern California (818) 497-5491 Reno Nevada (775) 379-2283

Proud Member: SSPC AWWA NACE ASTM API

McKinleyville Community Services District
PO Box 2037, McKinleyville California 95519
Telephone (707) 839-3251 - FAX (707) 839-8456

Professional Services Agreement

This Professional Services Agreement (this "Agreement") is made and entered between the parties listed below as of the date(s) set forth below. For your protection, make sure that you read and understand all provisions before signing. The terms recited as sections a through t on Pages 2 & 3 are incorporated in this document and, along with this page, constitute material terms and conditions of the Agreement between the parties.

TO: Bay Area Coating Consultants (BACC)	DATE: September 7, 2016
P.O Box 867 5402 Powell Road	Agreement No. 2016-05
Denair, CA. 95316	

The undersigned Consultant offers to furnish the following services (the "Services"):

As described in the proposal submitted by Consultant dated May 31, 2016, which is attached hereto as **Exhibit A** and incorporated herein by reference. The Services shall be provided on a time and materials basis not to exceed the amounts described in **Exhibit B**, which is attached hereto and incorporated herein by reference. The scope of work for this project includes the following:

BACC will provide inspection, daily written reports, photographs and all testing equipment and Closing reports as outlined in Exhibit A, Project Approach.

Contract price \$ 40,100.00

Completion date November 8, 2016

Payment Intervals:

Monthly

Instructions: Sign and return original. Upon acceptance by McKinleyville Community Services District, a copy will be signed by its authorized representative and promptly returned to you. Insert below, the names of your authorized representative(s).

Accepted: McKinleyville CSD

Consultant: Bay Are Consultant

(Business Name)

By George Wheeler

By Ed Darrimon

Title Board President

Title President/ Principle Consultant

Other authorized representative(s):

Other authorized representative(s):

Gregory P. Orsini

Consultant agrees with McKinleyville Community Services District that:

- a. **Indemnification.** To the fullest extent permitted by law and consistent with California Civil Code §2782.8(a), Consultant will, indemnify and hold harmless McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers (collectively "District") from and against all claims, demands and damages of all persons and entities that arise out of the Consultant's negligent acts or omissions, recklessness, or willful misconduct in the performance (or non-performance) of the Services under this Agreement. Consultant shall not be obligated to defend or indemnify the District from and against all claims, demands and damages that arise out of, pertain to, or relate to the District's own negligent acts or omissions, recklessness, or willful misconduct or the negligent acts or omissions, recklessness, or willful misconduct of others.
- b. **Standard of Care.** In providing the Services under this Agreement, Consultant shall exercise that degree of skill and care ordinarily used by other reputable members of Consultant's profession, practicing in the same or similar locality and under similar circumstances.
- c. **Workers Compensation Insurance.** By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and that Consultant will comply with such provisions before commencing the performance of the professional services and work under this Agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all Services covered by this Agreement.
- d. **Professional Liability Insurance.** Consultant will file with McKinleyville Community Services District, before beginning professional services, a certificate of insurance satisfactory to the McKinleyville Community Services District evidencing professional liability coverage of not less than \$1,000,000 per claim and annual aggregate, requiring 30 days notice of cancellation (10 days for non-payment of premium) to McKinleyville Community Services District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. The retroactive date (if any) is to be no later than the effective date of this Agreement. Consultant shall maintain such coverage continuously for a period of at least three years after the completion of the contract Services. Consultant shall purchase a one-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant provides insurance coverage deemed appropriate by Consultant for the role of the subconsultant under this contract.
- e. **Insurance Certificates.** Consultant will file with McKinleyville Community Services District, before beginning professional services, certificates of insurance satisfactory to McKinleyville Community Services District evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed

operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability requiring 30 days (10 days for non-payment of premium) notice of cancellation to McKinleyville Community Services District. The general liability coverage is to state or be endorsed to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by McKinleyville Community Services District, its directors, officers, employees, or authorized volunteers shall not contribute to it". The general liability coverage shall give McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant has in place levels of insurance deemed appropriate by the Consultant for the risk associated with the role of each subconsultant under this contract.

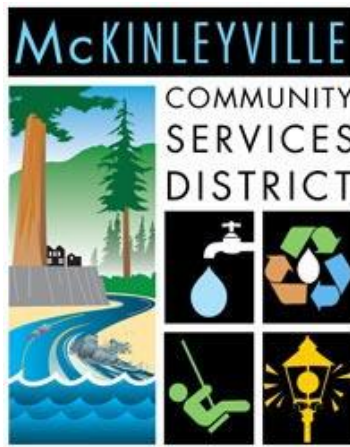
- f. **Renewal Certificates.** If any of the required coverages expire during the term of this Agreement, the Consultant shall deliver the renewal certificate(s) including the general liability additional insured endorsement to McKinleyville Community Services District at least ten (10) days prior to the expiration date.
- g. **General Manager Authority.** Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other authorized representative(s)" on behalf of McKinleyville Community Services District.
- h. **Payment Intervals.** Payment, unless otherwise specified on Page 1, is to be 30 days after acceptance of a written invoice by McKinleyville Community Services District.
- i. **Permits and Licenses.** Permits and licenses required by governmental authorities in connection with Consultant's services will be obtained at Consultant's sole cost and expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including Cal/OSHA requirements.
- j. **Amendments and Modifications.** Any change in the scope of the professional Services to be done, method of performance, nature of materials, work provided or price thereof, or to any other matter materially affecting the performance or nature of the Services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental Agreement executed by McKinleyville Community Services District. Consultant's "authorized representative(s)" has (have) the authority to execute such written change for Consultant.
- k. **Representations.** Consultant represents that it is now, and will remain for the duration of its Services, properly licensed, qualified, experienced, and equipped to perform the Services. Consultant also represents that the Services shall be completed in accordance with this Agreement. Consultant further represents that the Services and the sale or use of the Services shall not infringe, directly or indirectly, on any valid patent, copyright or trademark, and Consultant shall, at Consultant's sole cost and expense, indemnify, and hold harmless McKinleyville Community Services District from and against any and all

claims and causes of action based on infringements thereof. These representations shall survive the expiration or termination of this Agreement, and are in addition to any warranties provided by law. No payment to Consultant for any Services performed hereunder (including, without limitation, final payment) shall constitute a waiver of any Claims by McKinleyville Community Services District against Consultant relating to the Services.

- l. **Ownership of Drawings and Samples.** Consultant shall submit promptly for all drawings, details, samples and other data required or specifically requested by McKinleyville Community Services District in connection with provision of the Services, and such drawings, details, samples and other data created in connection with performance of the Services and provision of the work shall constitute the property of the McKinleyville Community Services District.
- m. **Compliance with Law/Safety.** In performance of the Services, Consultant shall, at its expense, exercise due professional care, comply strictly with, and cause all sub-consultants to comply strictly with, all laws, orders, rules and regulations of governmental authorities, including those relating to the storage, use or disposal of hazardous wastes, substances or materials, and including the procurement and payment for all necessary permits, certificates and licenses required in connection with the Services. If either Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant's (or sub-consultants) services or work provided hereunder, such party shall promptly inform the other party in writing of the existence thereof. Consultant shall comply with all applicable laws relating to safety, including without limitation the Occupational Safety and Health Act of 1970 as it may be amended from time to time, and all regulations and standards issued pursuant thereto. Consultant shall conform to the current prevailing standards of safety practice.
- n. **Equal Opportunity.** In the performance of the Services there shall be no discrimination on account of race, religion, sex, sexual orientation, age or national origin and Consultant shall comply with applicable federal, state and local laws and regulations pertaining to fair employment practices, including without limitation the provisions of Executive Order 11246 as amended by the President of the United States and the rules and regulations issued pursuant thereto, unless exempted.
- o. **Termination.** McKinleyville Community Services District may, at its option, terminate this Agreement without cause at any time. If at the time of any such termination, any Services have already been provided by Consultant but are unpaid for, McKinleyville Community Services District's only obligation, if Consultant is not in default, shall be to pay for such Services actually provided by Consultant prior to the date of termination. Upon receipt of notice of termination, Consultant shall immediately stop all performance hereunder except as otherwise directed by McKinleyville Community Services District, and if Consultant is not in default, McKinleyville Community Services District shall pay to Consultant (a) the prorata portion of the agreed price based on the percentage completion of the Services which was satisfactorily completed at the time of termination, and (b) the actual net costs incurred by Consultant directly connected with the Services that was not completed prior to the date of termination; provided, however, that under no circumstances shall the total under (a) and (b) exceed the contract price stated on page one (1) of this Agreement, above. Upon such payment, title to any such items or uncompleted Services shall, at McKinleyville Community Services District's option, pass to McKinleyville Community Services District.

- p. **Default.** Upon any default by Consultant hereunder, or in the event of proceedings by or against Consultant in bankruptcy or for the appointment of a receiver or trustee or an assignment for the benefit of creditors, McKinleyville Community Services District may, at its option, terminate this Agreement without penalty or liability (except for payment for any Services completed and accepted by McKinleyville Community Services District). Consultant shall be liable to McKinleyville Community Services District for all expenses incurred by McKinleyville Community Services District in finishing the Services and any damage incurred through any default, which at the option of McKinleyville Community Services District, may be charged against any amounts due from McKinleyville Community Services District to Consultant hereunder, but Consultant's liability hereunder shall not be limited thereby and such liability shall survive the expiration or termination of this Agreement. Any remedies provided for in this Agreement are cumulative and shall be in addition to, and not in limitation of, any other rights and remedies that may be available at law or in equity. Neither party shall be in default of this Agreement until such party has received three (3) days written notification (except in the instance of a health or safety concern, in which case failure to immediately remediate the health or safety violation shall be grounds to declare a default of this Agreement), and an opportunity to cure, or in the case of an alleged default which requires more than three (3) days to cure, a reasonable time so long as the alleged defaulting party commences the remediation of the default immediately, and thereafter diligently prosecutes the same to completion.
- q. **Notices.** Notices, requests, demands, and other communications hereunder shall be in writing and delivered personally, sent by reputable overnight courier or mailed by first class, United States mail, with postage prepaid, to McKinleyville Community Services District, **PO Box 2037, McKinleyville California 95519, Attention: Gregory Orsini**, and to Consultant at the address set forth below its signature, or at any other address that may be given by either party to the other in the manner provided above. Notices delivered personally or sent by overnight courier shall be deemed delivered upon receipt. Notices delivered by mail shall be deemed delivered upon the earlier of (i) receipt or (ii) the date five (5) U.S. mail delivery days after the notice was placed in the United States mail as provided above.
- r. **Headings.** All section headings are provided for convenience only, and shall not be deemed to constitute material terms and conditions of this Agreement.
- s. **Interpretation.** Both Consultant and McKinleyville Community Services District are deemed to have jointly participated in the negotiation and preparation of this Agreement. Consequently, both Consultant and McKinleyville Community Services District are considered to have drafted this Agreement in equal parts and, if any ambiguity is found to exist, all rules of law and evidence requiring ambiguities to be interpreted to the detriment of the drafting party shall not apply.
- t. **Attorneys Fees and Venue for Disputes.** If litigation becomes necessary to enforce the terms and provisions of this Agreement or as a result of any breach by Consultant or District of this Agreement, the prevailing party in any such litigation shall be entitled to recover reasonable attorney's fees and costs. The Humboldt County Superior Court for the State of California shall have exclusive jurisdiction over any dispute arising out of this Agreement or Consultant's provision of Services hereunder, and shall serve as the venue for any such dispute. All parties expressly consent to this designation of jurisdiction and venue.

- u. **MUTUAL UNDERSTANDING OF SERVICES.** McKinleyville Community Services District and Consultant agree that the purpose of value engineering is the identification and presentation of recommendations for improvement of project or process value, for consideration by the McKinleyville Community Services District and their other professional advisors. Both parties understand that as a part of these services, Consultant does no design work and makes no project decisions. McKinleyville Community Services District and Consultant agree that Consultant will be liable to the McKinleyville Community Services District only for damages arising from Consultant's negligence in the performance of the Value Analysis or Value Engineering work itself, and only to the extent that such negligence directly damages the McKinleyville Community Services District.



**Request for Proposals
May 31, 2016**

**Mr. James Henry
McKinleyville Community Services District
P.O. Box 2037
McKinleyville, CA 95519**

**Proposal Provided by
Bay Area Coating Consultants, Inc.**





Table of Contents

Section 1. Scope of Work

Section 2. Experience and References Information

Section 3. Project Team

Section 4. Quality Assurance and Control

Section 5. Project Approach

Section 6. Insurance Requirements

Section B. Cost of Services - in separate sealed envelope



Celebrating our 29th Year of Experience & Integrity

Section 1

The purpose of our services would be to assist McKinleyville Community Services District with completing the contract requirements established by the District. Bay Area Coating Consultants, Inc. will provide our full commitment to accomplish and complete each task required by the McKinleyville Community Services District project objectives.

Bay Area Coating Consultants, Inc. (BACC) will provide a National Association of Corrosion Engineers Certified Coatings Inspector for all coating work. BACC has been working with the District over twelve years on numbers consulting and inspection projects. BACC Principal Consultant Ed Darrimon will assist the District Engineering staff with project specifications, consulting, proper product selection, surface preparation, and failure analysis as needed. Our site inspector will be responsible for the day to day quality assurance and to interface with McKinleyville Community Services District's Engineer's representative. B.A.C.C. will furnish all state of the art inspection equipment, photographs, and daily reports. Our inspection services cover Cal / Fed OSHA requirements, disposal requirements, surface condition, abrasive blast cleaning, and coating application. B.A.C.C.'s extensive experience in the coating and lining of facilities gives in-depth knowledge to understanding of the Contractors activities, allowing us to identify areas of concern or discrepancies on an on-going basis. B.A.C.C.'S knowledge will aid in identifying key milestones for action required by the District, and B.A.C.C. Inspection team in the completion of the project.

Section 2

QUALIFICATIONS

Bay Area Coating Consultant, Inc. will provide independent inspection and consulting services, we provide inspection services for Owners and Engineering firms only. BACC was established in 1987 and has been serving the water and wastewater industry for over twenty nine years. Our philosophy has been we view each project as if it was our own structure and spending our own money. We are a small firm which allows us total involvement with our projects and communication with our inspectors. When our clients, have used our specifications or input we have never had a cost over run or a change order. We have never had an OSHA recordable injury. Our inspectors are provided with state of the art inspection equipment and training classes annually. BACC has completed thousands of projects and has total client satisfaction. All BACC Team members are fully trained on an annual basis on confined space training, scaffolding, lead and respirator training.

BACC has completed hundreds of Inspection and Consulting projects through out the United States. Our principle consultant Ed Darrimon was employed by East Bay Municipal Utility District for eleven years in the Engineering & Maintenance Departments as Supervising Coating Specialist. Mr. Darrimon designed and developed the Districts physical coating testing lab and rehabilitation program. Mr. Darrimon was responsible for overseeing the following projects:

- * Coating and lining inspection.
- * Coating specifications.
- * Design of the physical coating testing lab.
- * Established the Districts rehabilitation project of over one-hundred and eighty steel water storage tanks, and two hydro-electric powerhouses.

Mr. Darrimon also was employed in the coating application field as Vice President of Field Services and Quality Control for an eight year period. Ed then formed B.A.C.C. in 1987 and has twenty-two years experience in the Coatings & Linings Field.

ACCOMPLISHMENTS

STEEL STRUCTURES PAINTING COUNCIL: (S.S.P.C.)

- * National Board of Directors from 1988-92. Re-elected in 1992 to serve second four year term.
- * National award 1989 for Outstanding Chairman.
- * Past President and Founder of the first S.S.P.C. chapter in the U.S.A

NATIONAL ASSOCIATION OF CORROSION ENGINEERS: (N.A.C.E.).

- * Past Chairperson / Bay Area Section, Certified Level III Inspector #601

AMERICAN WATER WORKS ASSOCIATION: (A.W.W.A)

- * 26 Year Member National D-100, D-102, D-103, D104, D-108 and Standards Committee
- * Cal/Nev Corrosion Committee. * Cal/Nev past Vice Chairman Maintenance Committee.

Mr. Darrimon has presented numerous talks to the following Organizations: A.W.W.A., N.A.C.E., & S.S.P.C. on the following topics: Tank linings, Tank inspection, Specifications, Abrasive blasting, & proper use of D.H. equipment.

Mr. Darrimon has received extensive training in the following areas:

- 1987 **National Association of Corrosion Engineers Level III Certified Inspector #601**
- 1988 **Estimating Painting and Protection Cost.** Baltimore, Maryland
- 1988 **Inspection Instruments.** Baltimore, Maryland
- 1989 **Application Techniques.** Houston, Texas
- 1989 **Plant Maintenance Surveying.** Houston, Texas
- 1989 **Water Storage Tank Design & Construction.** L.A., California
- 1990 **Design of Coating & Linings.** Oakland, California
- 1990 **Val Spar Paint School.** Pomona, California
- 1990 & 93, 06 **Lead Removal Training.** Long Beach & S.F., California
- 1990 **Failure Analysis.** Nashville, Tennessee
- 1991 **Industrial Hygiene.** Long Beach, California
- 1992 **Construction Project Administration.** S.F., California
- 1993 **P.D.C.A. Lead Removal Training.** Salt Lake City, Utah
- 1994 **OSHA Lead Instructor.** S.F., California
- 1995/98/2000/02/04/07 **BAT Training,** Concord, Ca
- 1995/98/2000/02/04/07 **Confined Space, Fit Testing, First Aid Training,** Martinez, Ca.

******* EXAMPLE OF PROJECTS IN 2013/2016 *******

Reservoirs



Plural Component Urethane Linings

City of San Jose: Two 3.0 Mg. Water tanks. (*Consulting & Inspection*)
City of Santa Clara: One 1.0 Mg. Water tanks (*Consulting & Inspection*)
Stanford University: One 1.0 Mg. Water tank (*Consulting & Inspection*)
Midway Heights WD: One .5 Mg. Water tanks. (*Specifications, Consulting & Inspection*)
Tahoe City Public Utility District: Two Reservoirs, (*Specifications, Consulting & Inspection*)
North Tahoe PUD: One 1.0 Mg. Water tank . (*Consulting & Inspection*)
Modesto Irrigation District: Two 5.0 mg. Water Tanks (*Failure Analysis, Consulting*)
City of Othe, KS: Water Tank (*Failure Analysis, Consulting*)
Douglas County, NV: Two Water Tanks (*Inspection, Consulting*)
City of San Francisco: Pipelines, Penstocks, Reservoirs (*Consulting & Inspection*)
Southern Nevada Water Authority: Five Holding Vaults (*Consulting & Inspection*),
McKinleyville SD, CA: One 1.5 Water Tank (*Inspection, Consulting, Specifications*)
City of Sacramento: Six 3.0 MG. Reservoirs / (*Specifications, Consulting and Inspection*)
City of San Bruno: Digesters (*Specifications & Coating Inspection*)
City of Brisbane: Three Reservoirs (*Lining Inspection, Specifications & Consulting*)
North Coast County Water District: Three Reservoirs (*Inspection, & Consulting*)
County of San Diego: One Concrete Reservoir (*Lining Inspection*)
City of Stockton: Three Reservoirs (*Lining inspection & Consulting*)
San Jose Water Company: 16.0 Mg. (*Failure Analysis & Consulting*)
Otay Water District: One 1.0 MG. Tank (*Lining Inspection*)
El Dorado Irrigation District: Misc. *Inspection, & Consulting*) **Annual Contract 12 years**
Zone 7 Water District: Misc. equipment/Reservoirs/plants (*Lining Inspection, & Consulting*)
City of Folsom: Two water tanks (*Specifications, Inspection*)
Redwood City: Six tanks (*Coating Inspection, Underwater, Specifications*) **Lead**
Alameda County Water District: Six water tanks (*Consulting and Inspection*)
Santa Clara Valley Water District: Misc. Tanks & Treatment Plants (*Inspection & Consulting*)
Suburban Water District: 5.0 MG. (*Specification, Inspection*)
County of Napa: Water tank (*Consulting, Specifications & Testing*)
Central Water District: Three tanks (*Specification, Inspection*)
City of Palo Alto: One Reservoirs (*Consulting*)
City of Foster City: 3-4.0 MG. Water tanks (*Consulting, Underwater, Specification, & Inspection*)
City of Millbrae: Two Reservoirs (*Lead and Coating Inspection*)
Citizen Utility Corp: One 3.0 MG. (*Coating Inspection*)
City of Milpitas: Two Reservoirs (*Inspection, Consulting & Specifications*)
City of Pittsburgh: One Reservoir .5 (*Coating Inspection*)
San Joaquin/Tracy Water Agency: Five 3.0 MG. Reservoirs (*Inspection*)
North Coast Water District: Two Reservoirs (*Inspection*)
City of Hanford: Five Reservoirs (*Consulting, Specifications & Inspection*)
Lyons County Water District: Five Reservoirs 1.0MG (*Specifications, Inspection*)

City of Hughson: One Reservoir (*Inspection*)
County of San Joaquin: Five 1.0MG. Reservoirs (*Inspection*)
City of Novato: Misc. Water Treatment Plant (*Lining Inspection, & Consulting*)
Soquel Water District: Ten Reservoirs (*Consulting & Inspection*) **Annual Contract 14 years**
City of Davis: One .3 Reservoirs (*Consulting & Inspection*)
Kern County Water District: Reservoirs (*Inspection & Consulting*)
City of Martinez: Two Reservoirs (*Inspection*)
County of Sacramento: One water tank 2mg (*Underwater and Consulting & Inspection*)
Fernley NV. Two Reservoirs (*Consulting & Inspection*)
County of Santa Clara: Two Reservoirs (*Consulting & Inspection*)
City of Fresno Water: Twenty-five carbon tanks. (*Failure Analysis, Consulting & Inspection*)
Contra Costa Water District: Five pumping plants, two Reservoirs (*Inspection*)
City of Lodi: Two Reservoirs (*Consulting & Inspection, Failure Analysis*)
Dublin/San Ramon SD: 8 Reservoirs (*Specifications, & Inspection*) **Annual Contract 12 years**
City of Avenal: Two Reservoirs (*Failure Analysis, Consulting & Inspection*)
City of Arvin Edison: Twenty-two tanks (*Failure Analysis, Consulting & Inspection*)
City of Ceres: Two Reservoirs (*Failure Analysis, Consulting & Inspection*)
Diablo Water District: 3 Reservoirs (*Specifications & Inspection*) **Annual Contract 10 years**
City of Modesto: One Reservoir (*Specifications, Consulting and Inspection*)
Coastside Water County District: Three water vessels (*Consulting & Inspection*)
Calaveras County Water: One Reservoir (*Consulting & Inspection*)
Zone 7 Water Agency: Two Reservoirs, and WTP (*Consulting & Inspection*)
City of Turlock: Two Reservoirs, (*Consulting & Inspection*)
Cal American Water: Five Reservoirs, (*Consulting & Inspection*)
Zone 7 Water Agency: Two Reservoirs, and WTP (*Consulting & Inspection*)
Scotts Valley Water Agency: Three Reservoirs, (*Consulting & Inspection*)
City of Porterville: Two 2mg. Reservoirs, (*Consulting & Inspection*)
South Lake Tahoe PUD: Ten Reservoirs, (*Consulting & Inspection, Underwater*)

Wastewater



Monterey Regional WWTP: Misc. Projects (*Consulting & Inspection*) **Annual Contract 1 year**
East Bay Municipal Utility District, CA: 5 Digesters (*Consulting & Inspection*)
City of Poway: Settling Basins (*Consulting & Inspection*)
Tahoe Truckee Sanitation Agency: Vaults, clarifiers (*Consulting & Inspection*)
City of Hayward: Clarifier (*Consulting & Inspection*) **Annual Contract 2 years**
City of Livermore: Clarifiers/Digesters (*Consulting & Inspection*)
Selma Kingsburg Wastewater Treatment Plant: (*Specifications, Inspection*)
Orange County SD, CA: Digester, Secondary Containment (*failure Analysis & Inspection*)

Truckee Meadow RWWTP, NV. Misc. *Specifications & Inspection*) **Annual Contract 21 years**
Ora Loma WWTP, CA: Digesters, Secondary Containment (*Consulting & Inspection*)
Union Sanitary: Vaults, Digesters, clarifiers (*Consulting & Inspection*)
City of Turlock: Clarifiers (*Consulting & Inspection*)
City of San Leandro: Digester (*Consulting & Inspection, Specifications*)
Selma Kingsburg Wastewater Treatment Plant: (*Specifications, Inspection*)
Shanghai, China: Seventeen Wastewater tanks (*Inspection, Training, and Consulting*)
City of Portland Wastewater Authority: Tunnel (*Consulting & Inspection*)
City of Bakersfield Wastewater Treatment Plant: (*Failure Analysis, Inspection*)
City of Millbrae Wastewater Treatment Plant: (*Inspection*)
City of Fairfield Wastewater Treatment Plant: (*Inspection*)
City of Las Vegas Wastewater Treatment Plant: (*Failure Analysis, Inspection*)
City of Paso Robles Wastewater Treatment Plant: (*Failure Analysis, Inspection*)
City of Visalia Wastewater Treatment Plant: (*Inspection*) **Annual Contract 14 years**
City of Tulare Wastewater Treatment Plant: (*Inspection*)
Douglas County Wastewater Treatment Plant: *Tanks & Clarifiers (Inspection)*
City of Modesto Wastewater Treatment Plant: (*Specifications, Inspection*)
Contra Costa Wastewater Treatment Plant: (*Inspection*)
Sacramento RWWTP: (*Failure Analysis, Inspection*)
Novato County WWTP: (*Inspection*)
City of Palo Alto Wastewater Treatment Plant: (*Inspection/ Consulting*)
Cambria Community Services District: Five Steel Digesters (*Consulting & Inspection*)
City of Benicia Water & Wastewater: Misc. tanks and vessels (*Inspection & Consulting*)
City of Watsonville: Wastewater (*Specifications, Inspection & Consulting*)
City of Vacaville Wastewater: Digesters (*Coating Inspection*)
Delta Diablo WWTP: Misc. Equipment (*Specifications & Inspection*) **Annual Contract 14 years**
City of Henderson NV. WWTP: New Plant (*Coating Inspection*)
City of Vallejo WWTP: Misc Equipment (*Plant Survey, Specifications & Inspection*)
City of Daily City WWTP: Misc. Equipment (*Plant Survey, Specifications & Inspection*)
City of Castro Valley: Misc. Equipment (*Plant Survey, Specifications & Inspection*)
City of Napa WWTP: Misc. Equipment (*Plant Survey, Specifications & Inspection*)
Zone 7 Wastewater: Underground Chambers (*Consulting & Lining Inspection*)
City of Tracy WWTP: Misc. equipment (*Consulting & Plant Inspection*)
City of Fresno RWWTP: Misc. (*Consulting & Inspection*) **Annual Contract 16 years**
South Bayside System Authority: Misc. Treatment plant & Clarifiers (*Coating Inspection*)
Southern Nevada Water Authority, NV. Five tanks (*Consulting & Inspection*)
El Dorado Irrigation District WWTP: (*Consulting & Inspection*)**Annual Contract, Eight Years**
City of San Leandro: One Digester (*Consulting, Specifications & Inspection*)
East Bay Municipal Utility District: 4 digesters and 3 storage tanks (*Consulting & inspection*)
City of San Bruno: wash Basins (*Consulting, Specifications & Inspection*)

Engineering Firms

PMA/Jacobs Engineering: 74" Pipeline 24 miles (*Consulting & Inspection*)
Jacobs Engineering: Gas pipelines, BART (*Consulting & Inspection*)
Carollo Engineers: Miscellaneous treatment plants & water tanks over the years. (*Inspection & Consulting, Failure Analysis*) **Annual Contract 25 years**

URS Consulting Engineers: Pipe line (*Inspection, Consulting, Failure Analysis*)
Black & Veatch Engineers: Five water tanks (*Inspection, Consulting*)
Parson's Engineers: Treatment Plants (*Inspection, Consulting*)
Baker Hughes Engineers: 26 Wastewater tanks (*Inspection, Consulting*)
Montgomery Watson Engineers: Three water tanks (*Inspection, Consulting*)
HDR: Numerous Projects (*Inspection, Consulting*) **Annual Contract** 6 years
The Covello Group: Numerous Projects (*Inspection, Consulting*) **Annual Contract** 12 years
Kennedy/Jenks Engineers: Misc. Wastewater & treatment plants & reservoirs over the years. (*Consulting, Inspection*)
Brown & Caldwell Engineers: Water and Wastewater Projects (*Consulting /Inspection*)
West Yost Engineers: Water and Wastewater treatment plants over the years. (*Inspection, Specifications, Consulting*)
Psomas Engineers: Four water tanks (*Underwater Inspection & Consulting, Specifications*)
Camp, Dresser, McKee Engineers: Misc. treatment plants & water tanks (*Coating Inspection*)
V&A Consulting Engineers: At least 100 tanks over the years (*Inspection, Consulting*) 15 years
Forsgren Associates: Reservoir (*Consulting & Inspection*)
Farr Engineering NV: Reservoir (*Consulting & Inspection*)
PMA Associates: Pipeline 144" (*Consulting & Inspection*)
SPEC Services: Vessels (*Consulting & Inspection*)
Erier & Kalinowski Engineers: (*Inspection, Consulting, Specifications*)
Vali Cooper & Associates: (*Consulting & Inspection*)
Oscar Larson & Associates: (*Consulting & Inspection*)
Dee Jaspar & Associates: (*Consulting & Inspection*)
ENGEO: (*Consulting & Inspection*)
BSK & Associates: (*Consulting & Inspection*)
Construction Testing: (*Consulting & Inspection*)
Harris & Associates: (*Consulting & Inspection*)
V&A: (*Consulting & Inspection*) 15 years

Section 3

Bay Area Coating Consultant Services, Inc.

ORGANIZATION CHART

Ed Darrimon
President-Principal Consultant/President

Vice President / Austin Darrimon

Samuel Torres / In-House Safety and QC Manager

Aurelio Corral / South Coast Manager

Danielle Darrimon / Office Manager

Andrew Plante / Accounts Receivable

Linda Turner / Secretary/Accounting

All Full Time Inspectors

***All employees are re-certified on an annual basis on Confined Spaces,
Scaffolding, Lead, Fit and Respirator Testing***

Ed Darrimon/Principal <i>N.A.C.E. Certified Inspector</i> BACC Employed 27 years	Clint Lowe <i>N.A.C.E. Certified Inspector</i> BACC Employed 6 years	Dale Nicholson <i>N.A.C.E. Certified Inspector</i> BACC Employed 9 years
Armando Austria <i>NACE Certified</i> BACC Employed 10 years In Industry 28 years	Jeff Hobart <i>N.A.C.E. Certified</i> BACC Employed 7 years In Industry 20 years	Sam Torres <i>N.A.C.E. Certified</i> BACC Employed 9 years In Industry 15 years
Todd Whittenburg <i>N.A.C.E. Certified</i> BACC Employed 12 years In Industry 25 years	Sokphai Chheng <i>N.A.C.E. Certified</i> BACC Employed 8 years In Industry 25 years	Dave Hobart <i>N.A.C.E. Certified</i> BACC Employed 12 In Industry 22 years
Mark Prestera <i>N.A.C.E. Certified</i> BACC Employed 15 years In Industry 25 years	Ken Dollashnider <i>N.A.C.E. Certified</i> BACC Employed 5 years In Industry 20 years	Bill Rash <i>N.A.C.E. Certified</i> BACC Employed 6 years In Industry 25 years
Curtis Rash <i>N.A.C.E. Certified</i> BACC Employed 3 years In Industry 20 years	Bo Hobart <i>N.A.C.E. Certified</i> BACC Employed 8 years In Industry 11 years	Tim Gurdera <i>N.A.C.E. Certified</i> BACC Employed 9 years In Industry 19 years
Aurelio Corral <i>N.A.C.E. Certified</i> BACC Employed 3 years In Industry 20 years	Larry Westenhaver <i>N.A.C.E. Certified</i> BACC Employed 6 years In Industry 10 years	

Bay Area Coating Consultants Inspectors are N.A.C.E. coating inspectors, with an average of twenty years experience in the corrosion and coating industry.

Section 4

REFERENCES

CITY OF SAN FRANCISCO

MONGKOL MAHVONGTAKUL, P.E.

875 STEVENS STREET

SAN FRANCISCO CA. 94103 (415) 551-4890 Fax (415) 551-4877

PROJECT: NURMEOUS PROJECTS FOR THE PAST 18 YEARS. FAILURE ANALYSIS, COATING, AND LINING INSPECTION

BACC has completed numerous projects for the City of San Francisco over the past 15 years. BACC has provided coating and lining inspection, failure analysis, coating surveys and consulting. BACC has completed the following project types for the City, reservoir linings and coating inspection, pipeline inspection, inspection of penstocks and water and wastewater treatment plants and failure analysis. Six steel tanks, numerous wastewater and pipeline projects.

DUBLIN SAN RAMON SERVICES DISTRICT

STEVE DELIGHT ENGINEERING

7051 DUBLIN BLVD.

DUBLIN, Ca. 94568 925-875-2254

PROJECT: NINE TANKS/ FAILURE ANALYSIS, COATING, LINING INSPECTION, AND CONSULTING FOR THE PAST 10 YEARS.

BACC has been providing failure Analysis, Specifications, Inspection and consulting services on a yearly basis for over ten years. The District has not experienced a cost overrun or failure since employing BACC. 5 steel tanks and numerous wastewater projects.

SOQUEL CREEK WATER DISTRICT

TAJ DUFOUR ENGINEERING MANGER

5180 SOQUEL DRIVE

SOQUEL, CA. 95073 (831) 475-8500 FAX 831-475-4291

PROJECT: NINE TANKS/ FAILURE ANALYSIS, COATING, LINING INSPECTION, AND CONSULTING.

BACC has been providing failure Analysis, Specifications, Inspection and consulting services on a yearly basis for over ten years. The District has not experienced a cost overrun or failure since employing BACC. 9 steel tanks

EL DORRADO IRRIGATION DISTRICT

TIM SULLIVAN, P.E. / BOB RICE, P.E.

2890 MOSQUITO ROAD

PLACERVILLE, CA. (530) 622-4513 Fax (530) 622-8597

PROJECT: NURMEOUS PROJECTS FOR THE PAST EIGHT YEARS. FAILURE ANALYSIS, COATING, AND LINING INSPECTION

BACC has completed numerous projects for the District over the past eight years Annual Contract). BACC has provided coating and lining inspection, failure analysis, coating surveys and consulting. BACC has completed the following project types for the District: Reservoir linings and coatings, and water and wastewater treatment plants and failure analysis. Ten steel tanks

RACHEL MARTIN
RESAIDENT ENGINEER
CONTRA COSTA WATER DISTRICT
PO Box H20 | CONCORD, CA | 94524
PHONE: 925-626-3202 FAX: 925-626-3209

BACC has completed numerous projects for the District over the past twelve years. BACC has provided coating and lining inspection, failure analysis, coating surveys and consulting. BACC has completed the following project types for the District: Reservoir linings and coatings, and water and water treatment plants and failure analysis. Three steel tanks

Section 5

PROJECT APPROACH

BACC is a local firm that has been undertaking inspection work in Northern California/Nevada for over twenty nine years. It is very important to have a local firm which has a good understanding of annual weather conditions as they can change from different areas in the State. The local firm has a good rapport with local Area Air Management Districts, having full understanding of local laws and regulations.

BACC has completed projects with Mckinleyville CSD and has been able to complete them on time and within budget. BACC will provide Inspectors on short notice as we have completed over the years.

Each BACC inspector is equipped with state of the art testing and inspection equipment, laptop computers, mobile phones to stay in contact with Ed Darrimon on a daily basis. Our in house Quality Assurance inspector random selects inspector's sites to audit. The Inspector, project paper work, work standards, and industry standards are reviewed with the Q/A inspector to insure the inspector is meeting BACC in house standards. BACC inspectors receive the specifications prior to the start of work; they are required to highlight the specification for quick reference. BACC provides the inspector with current manufactures data sheets and MSDS sheets; every project is reviewed by Ed Darrimon and the site inspector. Our Inspectors are fully prepared at the start of each project.

The following are a sample of the key inspection items that are followed by the BACC inspector. BACC will furnish all inspection equipment required including daily reports with photographs.

1. SCOPE OF WORK: (ASTM 3226)

- (a) ATTEND PRE-CONSTRUCTION MEETING / REVIEW OF SPECIFICATIONS
- (b) ATTEND ON-SITE FAMILIARIZATION SESSION
- (c) DOCUMENT PRE SITE CONDITIONS

2. SURFACE CONDITION

- (a) CONDITION OF EDGES, WELD SPLATTER
- (b) GREASE OIL, OR BOTH
- (c) PROTECTIVE COVERINGS IN PLACE
- (d) AIR TEMPERATURE
- (e) SURFACE TEMPERATURE
- (f) DEW POINT, R/H
- (g) WIND DIRECTION, VELOCITY
- (h) VISIBLE MOISTURE

3. BLAST CLEANING

- (a) TYPE AND SIZE OF ABRASIVE
- (b) SURFACE CONTAMINATION- SULFATES, CHLORIDES
- (c) CLEAN AND DRY ABRASIVE
- (d) COMPRESSED AIR CHECK / WHITE BLOTTER
- (e) NOZZLE AIR PRESSURE / PRESSURE GAUGE

4. SURFACE PREPARATION

- (a) DUST AND ABRASIVE REMOVAL / VISUAL OBSERVATION
- (b) DEGREE OF CLEANLINESS / S.S.P.C./N.A.C.E. STANDARDS
- (c) PROFILE MEASUREMENT /TESTEX TAPE
- (d) MAGNETIC BASE READING
- (e) NACE-SPO-178

5. COATINGS AND LINING APPLICATION

- (a) TIME FROM SURFACE PREPARATION TO APPLICATION / RECORD
- (b) COATING VISCOSITY / DRIP TYPE
- (c) COMPRESSED AIR CHECK / WHITE BLOTTER
- (d) PROTECTIVE COVERINGS IN PLACE / VISUAL
- (e) RATIO COMPLIANCE
- (f) HARDNESS TESTINING
- (g) TIME APPLICATION BEGAN / RECORD
- (h) CONTINUE TO MONITOR TEMPERATURE AND HUMIDITY CONDITIONS
- (i) RECORD BATCH NUMBERS AND MIXING PROCEDURE
- (j) INDUCTION TIME OBSERVED-PROPER THINNING
- (k) FILM THICKNESS / WET
- (l) RE-COAT TIMES OBSERVED
- (m) INNER-COAT CLEANLINESS
- (n) FILM DEFECTS, RUNS, SAGS, DRY SPRAY, VOIDS ECT.

6. FINAL INSPECTION

- (a) DRY FILM THICKNESS / READINGS SSPC PA-2
- (b) HOLIDAY INSPECTION / NACE SPO 188-88
- (c) SOLVENT TEST / TOTAL CURE
- (d) CLOSING WRITTEN REPORT, PHOTOGRAPHS, CONTRACTOR SUMMARY.

Section 6

BACC shall meet all insurance requirements as listed in Exhibit C.

BACC has the following insurance coverage's in effect:

General Liability: Five million
Workman's Compensation: One million dollars
Errors and Omissions: One million dollars
Auto: Two million dollars

SMALL/MICRO BUSINESS CERTIFICATIONS

BACC is certified with the following agencies:

State of California: Certified micro small business #61256. Expires: 4/30/17

BACC Safety Compliance and Drug Testing Partners





Section B

Cost of Services

As of January 1, 2015 All Coating Inspection firms now fall under the State of California Prevailing Wage Requirements. The listing as per the Operating Engineers Union is Construction Inspector Group II.

Prevailing Wage Group II Construction Inspector
 DIR Public Works Contractor (PWC) Registration #1000005228
 Expires 06/30/2017

National Association of Corrosion Engineers Certified Coating Inspector includes all state of the art inspection equipment and daily reports and travel.

Item		Days	Labor Hours	Hotel	Total \$\$
1.5 MG.	Reservoir	45	360.0	\$4,500.00	\$40,100.00
					Total Cost: \$40,100.00

BUILDING/CONSTRUCTION INSPECTOR TESTER GROUP II	
(NACE Certified) Prevailing Wage Billing Rates	
Base Rate: Billing Rate \$99.89 per Hour	
Time X 1.5 Billing Rate \$149.94 per Hour	
Double Time: Billing Rate \$199.78 per Hour	
Truck Charge: \$5.00 per Hour	
Subsistence/Hotel: \$0.00 per day	

Northern California (888)-384-6839 Bakersfield California (661) 873-3601
 Southern California (818) 497-5491 Reno Nevada (775) 379-2283

Proud Member: SSPC AWWA NACE ASTM API

McKinleyville Community Services District
PO Box 2037, McKinleyville California 95519
Telephone (707) 839-3251 - FAX (707) 839-8456

Professional Services Agreement

This Professional Services Agreement (this “Agreement”) is made and entered between the parties listed below as of the date(s) set forth below. For your protection, make sure that you read and understand all provisions before signing. The terms recited as sections a through t on Pages 2 & 3 are incorporated in this document and, along with this page, constitute material terms and conditions of the Agreement between the parties.

TO: Blastco, Inc. DATE: September 7, 2016
11905 Regentview Ave. Agreement No. 2016-06
Downey, CA. 90241

The undersigned Consultant offers to furnish the following services (the “Services”):

As described in the proposal submitted by Consultant dated May 31, 2016, which is attached hereto as **Exhibit A** and incorporated herein by reference. The Services shall be provided on a time and materials basis not to exceed the amounts described in **Exhibit B**, which is attached hereto and incorporated herein by reference. The scope of work for this project includes the following:

Blastco, Inc. will provide work and services as outlined in Exhibit A, Scope of Work.

Contract price \$ 375,000.00

Completion date November 8, 2016

Payment Intervals:

Monthly

Instructions: Sign and return original. Upon acceptance by McKinleyville Community Services District, a copy will be signed by its authorized representative and promptly returned to you. Insert below, the names of your authorized representative(s).

Accepted: McKinleyville CSD

Consultant: Blastco, Inc.

(Business Name)

By George Wheeler

By Terry F. Warren

Title Board President

Title President

Other authorized representative(s):

Gregory P. Orsini

Other authorized representative(s):

Consultant agrees with McKinleyville Community Services District that:

- a. **Indemnification.** To the fullest extent permitted by law and consistent with California Civil Code §2782.8(a), Consultant will, indemnify and hold harmless McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers (collectively "District") from and against all claims, demands and damages of all persons and entities that arise out of the Consultant's negligent acts or omissions, recklessness, or willful misconduct in the performance (or non-performance) of the Services under this Agreement. Consultant shall not be obligated to defend or indemnify the District from and against all claims, demands and damages that arise out of, pertain to, or relate to the District's own negligent acts or omissions, recklessness, or willful misconduct or the negligent acts or omissions, recklessness, or willful misconduct of others.
- b. **Standard of Care.** In providing the Services under this Agreement, Consultant shall exercise that degree of skill and care ordinarily used by other reputable members of Consultant's profession, practicing in the same or similar locality and under similar circumstances.
- c. **Workers Compensation Insurance.** By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and that Consultant will comply with such provisions before commencing the performance of the professional services and work under this Agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all Services covered by this Agreement.
- d. **Professional Liability Insurance.** Consultant will file with McKinleyville Community Services District, before beginning professional services, a certificate of insurance satisfactory to the McKinleyville Community Services District evidencing professional liability coverage of not less than \$1,000,000 per claim and annual aggregate, requiring 30 days notice of cancellation (10 days for non-payment of premium) to McKinleyville Community Services District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-:VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. The retroactive date (if any) is to be no later than the effective date of this Agreement. Consultant shall maintain such coverage continuously for a period of at least three years after the completion of the contract Services. Consultant shall purchase a one-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant provides insurance coverage deemed appropriate by Consultant for the role of the subconsultant under this contract.
- e. **Insurance Certificates.** Consultant will file with McKinleyville Community Services District, before beginning professional services, certificates of insurance satisfactory to McKinleyville Community Services District evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed

operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability requiring 30 days (10 days for non-payment of premium) notice of cancellation to McKinleyville Community Services District. The general liability coverage is to state or be endorsed to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by McKinleyville Community Services District, its directors, officers, employees, or authorized volunteers shall not contribute to it". The general liability coverage shall give McKinleyville Community Services District, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by McKinleyville Community Services District. In the event that the Consultant employs other consultants (sub-consultants) as part of the Services covered by this Agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant has in place levels of insurance deemed appropriate by the Consultant for the risk associated with the role of each subconsultant under this contract.

- f. **Renewal Certificates.** If any of the required coverages expire during the term of this Agreement, the Consultant shall deliver the renewal certificate(s) including the general liability additional insured endorsement to McKinleyville Community Services District at least ten (10) days prior to the expiration date.
- g. **General Manager Authority.** Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other authorized representative(s)" on behalf of McKinleyville Community Services District.
- h. **Payment Intervals.** Payment, unless otherwise specified on Page 1, is to be 30 days after acceptance of a written invoice by McKinleyville Community Services District.
- i. **Permits and Licenses.** Permits and licenses required by governmental authorities in connection with Consultant's services will be obtained at Consultant's sole cost and expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including Cal/OSHA requirements.
- j. **Amendments and Modifications.** Any change in the scope of the professional Services to be done, method of performance, nature of materials, work provided or price thereof, or to any other matter materially affecting the performance or nature of the Services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental Agreement executed by McKinleyville Community Services District. Consultant's "authorized representative(s)" has (have) the authority to execute such written change for Consultant.
- k. **Representations.** Consultant represents that it is now, and will remain for the duration of its Services, properly licensed, qualified, experienced, and equipped to perform the Services. Consultant also represents that the Services shall be completed in accordance with this Agreement. Consultant further represents that the Services and the sale or use of the Services shall not infringe, directly or indirectly, on any valid patent, copyright or trademark, and Consultant shall, at Consultant's sole cost and expense, indemnify, and hold harmless McKinleyville Community Services District from and against any and all

claims and causes of action based on infringements thereof. These representations shall survive the expiration or termination of this Agreement, and are in addition to any warranties provided by law. No payment to Consultant for any Services performed hereunder (including, without limitation, final payment) shall constitute a waiver of any Claims by McKinleyville Community Services District against Consultant relating to the Services.

- l. **Ownership of Drawings and Samples.** Consultant shall submit promptly for all drawings, details, samples and other data required or specifically requested by McKinleyville Community Services District in connection with provision of the Services, and such drawings, details, samples and other data created in connection with performance of the Services and provision of the work shall constitute the property of the McKinleyville Community Services District.
- m. **Compliance with Law/Safety.** In performance of the Services, Consultant shall, at its expense, exercise due professional care, comply strictly with, and cause all sub-consultants to comply strictly with, all laws, orders, rules and regulations of governmental authorities, including those relating to the storage, use or disposal of hazardous wastes, substances or materials, and including the procurement and payment for all necessary permits, certificates and licenses required in connection with the Services. If either Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant or McKinleyville Community Services District receives notice of any violation by Consultant of any laws relating to Consultant's (or sub-consultants) services or work provided hereunder, such party shall promptly inform the other party in writing of the existence thereof. Consultant shall comply with all applicable laws relating to safety, including without limitation the Occupational Safety and Health Act of 1970 as it may be amended from time to time, and all regulations and standards issued pursuant thereto. Consultant shall conform to the current prevailing standards of safety practice.
- n. **Equal Opportunity.** In the performance of the Services there shall be no discrimination on account of race, religion, sex, sexual orientation, age or national origin and Consultant shall comply with applicable federal, state and local laws and regulations pertaining to fair employment practices, including without limitation the provisions of Executive Order 11246 as amended by the President of the United States and the rules and regulations issued pursuant thereto, unless exempted.
- o. **Termination.** McKinleyville Community Services District may, at its option, terminate this Agreement without cause at any time. If at the time of any such termination, any Services have already been provided by Consultant but are unpaid for, McKinleyville Community Services District's only obligation, if Consultant is not in default, shall be to pay for such Services actually provided by Consultant prior to the date of termination. Upon receipt of notice of termination, Consultant shall immediately stop all performance hereunder except as otherwise directed by McKinleyville Community Services District, and if Consultant is not in default, McKinleyville Community Services District shall pay to Consultant (a) the prorata portion of the agreed price based on the percentage completion of the Services which was satisfactorily completed at the time of termination, and (b) the actual net costs incurred by Consultant directly connected with the Services that was not completed prior to the date of termination; provided, however, that under no circumstances shall the total under (a) and (b) exceed the contract price stated on page one (1) of this Agreement, above. Upon such payment, title to any such items or uncompleted Services shall, at McKinleyville Community Services District's option, pass to McKinleyville Community Services District.

- p. **Default.** Upon any default by Consultant hereunder, or in the event of proceedings by or against Consultant in bankruptcy or for the appointment of a receiver or trustee or an assignment for the benefit of creditors, McKinleyville Community Services District may, at its option, terminate this Agreement without penalty or liability (except for payment for any Services completed and accepted by McKinleyville Community Services District). Consultant shall be liable to McKinleyville Community Services District for all expenses incurred by McKinleyville Community Services District in finishing the Services and any damage incurred through any default, which at the option of McKinleyville Community Services District, may be charged against any amounts due from McKinleyville Community Services District to Consultant hereunder, but Consultant's liability hereunder shall not be limited thereby and such liability shall survive the expiration or termination of this Agreement. Any remedies provided for in this Agreement are cumulative and shall be in addition to, and not in limitation of, any other rights and remedies that may be available at law or in equity. Neither party shall be in default of this Agreement until such party has received three (3) days written notification (except in the instance of a health or safety concern, in which case failure to immediately remediate the health or safety violation shall be grounds to declare a default of this Agreement), and an opportunity to cure, or in the case of an alleged default which requires more than three (3) days to cure, a reasonable time so long as the alleged defaulting party commences the remediation of the default immediately, and thereafter diligently prosecutes the same to completion.
- q. **Notices.** Notices, requests, demands, and other communications hereunder shall be in writing and delivered personally, sent by reputable overnight courier or mailed by first class, United States mail, with postage prepaid, to McKinleyville Community Services District, **PO Box 2037, McKinleyville California 95519, Attention: Gregory Orsini**, and to Consultant at the address set forth below its signature, or at any other address that may be given by either party to the other in the manner provided above. Notices delivered personally or sent by overnight courier shall be deemed delivered upon receipt. Notices delivered by mail shall be deemed delivered upon the earlier of (i) receipt or (ii) the date five (5) U.S. mail delivery days after the notice was placed in the United States mail as provided above.
- r. **Headings.** All section headings are provided for convenience only, and shall not be deemed to constitute material terms and conditions of this Agreement.
- s. **Interpretation.** Both Consultant and McKinleyville Community Services District are deemed to have jointly participated in the negotiation and preparation of this Agreement. Consequently, both Consultant and McKinleyville Community Services District are considered to have drafted this Agreement in equal parts and, if any ambiguity is found to exist, all rules of law and evidence requiring ambiguities to be interpreted to the detriment of the drafting party shall not apply.
- t. **Attorneys Fees and Venue for Disputes.** If litigation becomes necessary to enforce the terms and provisions of this Agreement or as a result of any breach by Consultant or District of this Agreement, the prevailing party in any such litigation shall be entitled to recover reasonable attorney's fees and costs. The Humboldt County Superior Court for the State of California shall have exclusive jurisdiction over any dispute arising out of this Agreement or Consultant's provision of Services hereunder, and shall serve as the venue for any such dispute. All parties expressly consent to this designation of jurisdiction and venue.

- u. **MUTUAL UNDERSTANDING OF SERVICES.** McKinleyville Community Services District and Consultant agree that the purpose of value engineering is the identification and presentation of recommendations for improvement of project or process value, for consideration by the McKinleyville Community Services District and their other professional advisors. Both parties understand that as a part of these services, Consultant does no design work and makes no project decisions. McKinleyville Community Services District and Consultant agree that Consultant will be liable to the McKinleyville Community Services District only for damages arising from Consultant's negligence in the performance of the Value Analysis or Value Engineering work itself, and only to the extent that such negligence directly damages the McKinleyville Community Services District.

SECTION 09900

TANK AND PIPE PAINTING

PART 1 GENERAL

1.1 SCOPE OF WORK

A. Work included:

1. The Contractor shall provide all labor, materials, equipment and incidentals required to remove all the existing interior coatings and repaint the reservoir interior shell, rafters, floor, ladder, overflow, ceiling, roof drain piping, and all other miscellaneous steel on the interior of a 1.5 MG. 82' foot diameter by 40' foot tall Cochran reservoir with a NSF/UL 61 certified lining system. The reservoir was first coated in 1990 and re-coated in 2003. The existing interior lining system is an epoxy. The exterior coatings of Cochran reservoir and all associated piping shall be prepared as per this specification and coated with an epoxy urethane system. The exterior of the reservoir shall be over coated. The District will drain the reservoir. The Contractor shall coordinate with the District for the removal and replacement of the cathodic protection system by the District. The Contractor shall remove and reinstall the gauge board after painting operations are complete.
2. The Contractor shall have a current California C-33 license and be SSPC/QP-1 certified. The Contractor shall submit five projects within the last two years using plural component equipment and NSF-61 100% solids epoxy on the interior of potable water storage tanks. The information shall include Name of project, size of project, name and phone number of owner and Engineer.
3. When the new interior coating has completely cured, the Contractor shall clean and disinfect the reservoir.
4. After filling the reservoir, the District shall test the reservoir water for bacteriologic and volatile organic contamination, and for aesthetic quality. The District shall not accept the project until the reservoir water meets California Department of Health Services (DHS) and federal drinking water standards. In addition, the tank will not be accepted until the coating system is free of taste and odor associated with the coating product and does not impart any adverse aesthetic quality to District water.
5. The interior roof, rafters and shell shall be completely coated, tested, repaired and caulked prior to any operations on the floor of the tank.
6. The Contractor shall dispose of all wastes from abrasive blasting and any other wastes or debris generated during work. The Contractor shall sample and test wastes as required by applicable regulatory agencies, and as necessary for classification of wastes prior to disposal. The Contractor shall bear all costs for waste sampling, testing, accumulation, transport, and disposal, including the cost for wastes classified as hazardous and non-hazardous.

7. The Contractor should expect that the entire surface under the existing coatings to be corroded or having mill scale and shall provide for such conditions accordingly, including complete removal of such materials down to bare steel and providing "White Metal Blast Cleaning" (SSPC/SP # 5) to allow for proper adhesion of the interior coating system.
8. The District shall conduct a one-year anniversary inspection and the Contractor shall provide floor protection, lighting, and scaffolding during the inspection. The Contractor shall be present at the inspection and disinfect the reservoir after repairs are complete.
9. When considering the proposed work schedule, the Contractor shall allow three (3) consecutive working days for the District to fill the Reservoir after the coating has cured.
10. At least two days prior to start of work, the Contractor shall arrange with the District for a pre-preparation conference at the job site to ensure that all parties are familiar with the entire project, including specifications and the manufacturer's printed application instructions.

B. Related work described elsewhere:

- | | | |
|----|--------------------------------|---------------|
| 1. | Project Site Cleanup: | Section 01560 |
| 2. | Shop Drawings and Submittals | Section 01300 |
| 3. | Tank Disinfection and Testing: | Section 13212 |

1.2 GOVERNING STANDARDS

A. The following standards (including the most recent update or version) shall govern the work unless specified otherwise in these specifications:

1. SSPC-Vol.1, Steel Structures Painting Manual, Good Painting Practice.
2. SSPC-Vol.2, Steel Structures Painting Manual, Systems and Specifications.
 - a. SSPC-SP 1 Solvent Cleaning
 - b. SSPC-SP 2 Hand Tool Cleaning
 - c. SSPC-SP 3 Power Tool Cleaning
 - d. SSPC-SP 5 White Metal Blast Cleaning
 - e. SSPC-SP 6 Commercial Blast Cleaning
 - f. SSPC-SP 7 Brush-Off Blast Cleaning
 - g. SSPC-SP 10 Near White Blast Cleaning
 - h. SSPC-SP 11 Power Tool Cleaning to Bare Metal
 - i. SSPC-AB 1 Mineral and Slag Abrasives
 - j. SSPC-PA 1 Shop, Field and Maintenance Painting
 - k. SSPC-PA Guide 10 Guide to Safety and Health for Industrial Painting Projects
 - l. SSPC Guide 12 Guide for Illumination of Industrial Painting Projects

- | | | |
|----|------------------------|---|
| m. | SSPC-Guide to Vis 1-89 | Visual Standard for Abrasive Blast Cleaned Steel |
| n. | SSPC-V15 (3-93) | Visual Standard for Power and Hand-Tool Cleaned Steel |
3. AWWA D102-06, Standard for Painting Steel Water-Storage Tanks
 4. AWWA C652, Disinfection of Water Storage Facilities.
 5. All applicable National Association of Corrosion Engineers (NACE) and ASTM standards.
 6. All applicable State and Federal OSHA safety standards.
- B. The Contractor shall consult the Engineer regarding any situations not covered by the reference standards or this specification; however, it is the Contractor not the District that is ultimately responsible for proper coating application.

1.3 SUBMITTALS

- A. The Contractor shall submit all submittals in accordance with Specification Section 01300 Shop Drawings and Submittals.
- B. The Contractor shall provide a separate submittal for each material to be used in the work. The manufacturer's latest written product data sheets and current manufacturer's MSDS sheets shall be included for all products. At a minimum provide submittals for all materials used in surface and coating operations including abrasive materials, paint systems, thinners, cleaning fluids, solvents, and any other additives.
- C. The Contractor shall provide a separate submittal for each material to be used in the work. At a minimum provide submittals for Abrasive materials, Paint systems, Thinners, and any other additives.
- D. The Contractor shall include the following data in the interior coating system submittal:
 1. Weight in pounds/gallon – ASTM D-2196
 2. Percent solids by volume – ASTM D-2369
 3. Percent solids by weight – ASTM D-2369
 4. Air cure dry time to re-coat – ASTM D-1640
 5. Minimum adhesion to steel substrate – ASTM D-4541 using a type II instrument (Minimum acceptable adhesion shall be 800 p.s.i.).
 6. Adhesion between coats – ASTM D-4541
 7. Manufacturer's batch numbers and dates of manufacture for materials to be furnished as part of this project.

8. Letter from dehumidification manufacture that the equipment has been properly sized as per the specification requirements.
- E. The Contractor shall include technical data documenting that the material to be provided complies with these specifications. Submittals will not be accepted until all requirements of this specification have been confirmed.
- F. The Contractor shall include the following data in the manufacturer's recommended handling and installation instructions for the proposed paint system submittal:
1. Storage – including maximum and minimum storage temperatures
 2. Surface preparation
 3. Coating repair
 4. Application equipment
 5. Mixing and application of coating system – including a table of minimum and maximum time to re-coat as a function of temperature
 6. Curing – including curing time required before holiday testing, and curing time required before immersion as function of temperature and coating thickness. Minimum and maximum re-coat times.
 7. Ventilation and Containment System
 8. Acceptable temperatures at the time of application.
 9. Health and Safety Plan
 10. Fire Safety Plan.
- G. The Contractor shall include the following data in the equipment submittal:
1. Details of vacuum system for removing dust and abrasive from abrasive blast cleaned surfaces.
 2. The manufacturer's latest written operation instructions including recommendations for air filter maintenance and change interval for air compressors used for work.
- H. The Contractor shall include the following data in the report submittal:
1. Actual weight of blast cleaning abrasive used for field abrasive blast cleaning, submitted within 24 hours after blasting is completed.
 2. Quantity of coating material used for each coat, submitted within 24 hours after completion of each coat.

3. Name of laboratories proposed to be used to test wastes and reservoir water prior to testing any materials.
4. Laboratory test results for representative waste samples prior to removing any waste materials from the job site. At a minimum, the samples shall be tested for total concentrations of the 17 metals identified in Title 22, for comparison to Total Threshold Limit Concentrations (TTLC) values. The California Waste Extraction Test (WET) shall be performed for each analyte of each sample for which the total concentration exceeds 10 times the STLC value, if any, as specified in Title 22. Toxic Characteristic Leaching Procedure (TCLP) testing shall be performed for each analyte of each sample for which the total concentration exceeds 20 times the TCLP values, if any, specified in the Federal Resource Conservation and Recovery Act. Reactivity, corrosively, and Ignitability testing shall be performed as required by Title 22 and/or the District or representative of the disposal facility.
5. Receipts from disposal site for all wastes. Receipts shall identify disposed material and source, show quantity of disposed material in tons or cubic yards, and show method used for final disposition as buried, incinerated, and chemically treated and/or other means.
6. Quantity of thinner used for each coat and total amount used.

I. The Contractor shall include the following data in the disposal plan submittal:

1. Certification that the materials disposal plan complies with all applicable requirements of: the Federal Resource Conservation and Recovery Act; Title 22 and Title 26 of the California Administrative Code; and other applicable regulations of local, state and federal agencies having jurisdiction over the disposal of spent abrasive blast media, removed coating materials, and other waste, whether hazardous or non-hazardous.
2. The name and Environmental Laboratory Accreditation Program Certificate number of laboratory that will sample and test spent abrasive blast media and removed coating materials. Include statement of the laboratory's certified testing areas and analyses that the laboratory is qualified to perform.
3. Written permission to dispose of material from disposal site representative. Include name, address, and telephone number of disposal site and of representative.
4. The District shall provide written acceptance of the disposal plan prior to disposal of any wastes.

1.4 QUALITY ASSURANCE

A. Qualifications

1. The Contractor shall provide evidence of regular engagement in application of similar coatings for at least five years prior to commencement of this work.

2. The Contractor shall certify in writing that foremen and workers on-site shall be experienced and knowledgeable in preparation for and application of high performance industrial coatings.
 3. The Contractor shall provide written evidence to the Engineer that the Contractor has a minimum of five years experience in the painting of water storage tanks and a current list of water tank painting projects for the past five years (five minimum).
 4. The Contractor shall conform to all the standards of craftsmanship as discussed in the Steel Structures Painting Council's Painting Manual, Volume 1, Good Painting Practice. These techniques include, but are not limited to: multiple passes of the spray gun, with each pass overlapped 50%, and "cross hatching" successive coats of paint.
 5. The Contractor shall use properly functioning equipment capable of performing the task required herein, that is the high pressure water blasting equipment shall be capable of providing 3,000 psi at the nozzle(s).
- B. The Contractor's workmanship shall conform to standards and recommendations of SSPS Vol. 1, especially Chapters 5.1 and 6.
 - C. The District may use any testing method deemed necessary by the District Coating Inspector to verify quality of work. The District may, but is not required to, monitor the quality of work pursuant to this section.
 - D. The Contractor shall ensure proper materials handling and use, including: all coating materials are labeled and used in accordance with SSPC-PA 1, Paragraphs 5.1.1 through 5.1.5, except all coating system materials without a stated shelf life shall be delivered and used within six months of the date of manufacture; and certification, from any source, that the coating system materials are still suitable for use beyond the stated shelf life or beyond the six month period specified above will not be accepted.
 - E. The Contractor shall perform the necessary quality assurance in accordance with an approved plan.
 - F. The Contractor shall comply with the following conditions in collection and analysis of wastes:
 1. All testing of spent abrasive blast media and removed coating materials to classify these wastes as hazardous or non-hazardous shall be performed by a laboratory that complies with and is certified under the Environmental Laboratory Accreditation Program (ELAP) of the California Department of Health Services.
 2. Any Laboratory performing analysis shall provide analysis for comparison to TTLC, STLC, TCLP limits, and RCA limits, and to all other applicable regulatory limits. Laboratory shall retain samples at least ninety (90) calendar days after all analyses are complete.

3. The Contractor shall ensure collection of as many representative samples as required by the representative of the disposal facility, but not less than four total.
4. The Contractor shall ensure the following: each sample shall have an identifying sample number assigned when the sample is taken; each sample number shall be included on the sampling chain of custody and in all reports, correspondence, and other documentation related to the sample; each sample shall have a sampling chain of custody; and, each chain of custody shall show the name and organization of each person having custody of the sample, and also show the sample number, job name and location, time of day and date sample was taken, material sampled, and tests to be performed.
5. The Contractor shall notify the District at least 24 hours prior to sampling collection for the purpose of District verification of samples collected.

G. Manufacturer's Representative

1. The Contractor shall, at no cost to the District, provide a qualified technical representative of the coating system manufacturer at the job-site as required by the District to resolve problems related to the coating system or the application of the system.

1.5 SAFETY

- A. The Contractor shall comply with all applicable safety and health regulations and requirements, as well as Industry Safety Standards.
- B. The Contractor shall submit a notarized letter signed by a principal officer certifying the Contractor fully complies with the California Code of Safety Regulations and the Federal Code of Regulations pertaining to the scope of this project, but not limited to the following; as well as any other applicable orders, codes, ordinances, or laws(State, Federal, and Local), and (GISO-General Industry Safety Orders, CSO-Construction Safety Orders, CFR-Code of Federal Regulations).

Title	Code Regulation	Section
Illness Injury Prevention Program	CSO/GISO	1508-3203
Hazard Communication	GISO	5194
Lead	CFR	1926.62
Safety Instructions for Employees	CSO	1510
Dust, Fumes, Mist, Vapors, and Gases	CSO	1528
Metal Scaffolding	CSO	1644
General Industry Standards	29 CFR	1910.1025
Respiratory Protection	CSO/GISO	1531-5144

1.6 DUST/OVER-SPRAY CONTROL

- A. The Contractor shall provide adequate dust and over-spray control from the coating and surface preparation operations to prevent damage or nuisance to property or persons.
- B. The Contractor shall be solely responsible for all claims resulting from dust and over-spray control from the coating and surface preparation operations or any damage or nuisance to property or persons.

1.7 WASTE

- A. The present coating system was removed and replaced in 1990.
- B. The Contractor shall bear all cost associated with stripping, handling, storing, testing, transport, and disposal of all waste. It shall be the Contractors responsibility to estimate the quantity and classification of waste associated with work.

1.8 WARRANTY

- A. Anniversary inspection requirements and failure criteria shall be in accordance with AWWA D-102, Section 9, except as modified herein. The total warranty period shall be three years from the final acceptance date.

PART 2 GOVERNING STANDARDS

- 2.1 The following standards (including the most recent update or version) shall govern the work unless specified otherwise in these specifications:

SSPC-Vol.1,	Steel Structures Painting Manual, Good Painting Practice.
SSPC-Vol.2,	Steel Structures Painting Manual, Systems and Specifications.
SSPC-SP 1	Solvent Cleaning
SSPC-SP 2	Hand Tool Cleaning
SSPC-SP 3	Power Tool Cleaning
SSPC-SP 5	White Metal Blast Cleaning
SSPC-SP Guide 11	Stripe Coating
SSPC-SP 7	Brush-Off Blast Cleaning
SSPC-SP 10	Near White Blast Cleaning
SSPC-SP 11	Power Tool Cleaning to Bare Metal
SSPC-AB 1	Mineral and Slag Abrasives
SSPC-PA 1	Shop, Field and Maintenance Painting
SSPS-PA Guide 3	Guide to Safety in Paint Application
SSPS-PA Guide 12	Lighting
SSPC-Guide to Vis 1-89	Visual Standard for Abrasive Blast Cleaned Steel
SSPC-V15 (3-93)	Visual Standard for Power & Hand-Tool Cleaned Steel
AWWA D102-97	Standard for Painting Steel Water-Storage Tanks
AWWA C652	Disinfection of Water Storage Facilities.
ISO-8502-3	Preparation of Steel Substrates (Class 0)
All applicable State and Federal OSHA safety standards.	

2.2 QUALITY ASSURANCE

- A. The District has retained a coating inspection firm to oversee all quality control related to coating operations. The inspector will report directly to the District Engineer and shall act with the Engineer's authority in all matters related to construction. The Inspector will be an N.A.C.E. Certified Coating Inspector, who will inspect any or all phases of work to be performed as outlined herein. The inspector shall be an addition to the District Inspector; authority shall be limited to coating related work only. The District Inspector shall remain the primary observer for all work on the project. The inspector shall work for and report to the District. The Contractor shall not rely upon the tank inspector for documentation of environmental conditions and assuring compliance with plans and specifications.
- B. The Contractor shall notify the District Engineer in advance (48 hours minimum) of all surface preparation or paint application in order to perform a preliminary examination and provide acceptance of the surface preparation and each coat prior to application of the next coat.
- C. The Coating Inspector shall examine all materials, tools, and equipment to be used in the blasting and coating operations and shall have the authority to direct the Contractor to remove, replace, or repair any materials, tools, or equipment found not to be in conformance with the Contract Documents including the approved shop drawings and manufacturer's recommendations. The Contractor shall be fully responsible for compliance with all safety measures, hazardous and toxic materials regulations, and site security. Observation of or failure to observe any safety efforts of the Contractor by the Inspector shall not relieve the Contractor of this responsibility nor shall any liability transfer from the Contractor to the District or the Inspector. The Contractor shall indemnify, defend, and save harmless the District and the coating Inspector from all liability associated therewith.
- D. The Contractor shall provide evidence of regular engagement in application of 100% solids coatings for at least five years prior to commencement of this work on potable water storage reservoirs.
- E. The Contractor shall certify in writing that foremen and workers on-site shall be experienced and knowledgeable in preparation for and application of high performance industrial coatings.
- F. The Contractor's workmanship shall conform to standards and recommendations of SSPS Vol. 1, especially Chapters 5.1 and 6.
- G. The District may use any testing method deemed necessary by the District Coating Inspector to verify quality of work. The District may, but is not required to, monitor the quality of work pursuant to this section.
- H. The Contractor shall ensure proper materials handling and use, including: all coating materials are labeled and used in accordance with SSPC-PA 1, Paragraphs 5.1.1 thru 5.1.5, except all coating system materials without a stated shelf life shall be delivered and used within six months of the date of manufacture; and certification, from any source, that the coating system materials are still suitable for use beyond the stated shelf life or beyond the six month period specified above will not be accepted. All equipment and materials shall be stored in a secured ventilated container.

- I. The Contractor shall perform the necessary quality assurance in accordance with an approved plan. The Contractor will supply all inspection equipment. The District reserves the right to use their inspection equipment at any time.
- J. The Contractor shall comply with the following conditions in collection and analysis of wastes:
 - 1. All testing of spent abrasive blast media and removed coating materials to classify these wastes as hazardous or non-hazardous shall be performed by a laboratory that complies with and is certified under the Environmental Laboratory Accreditation Program (ELAP) of the California Department of Health Services.
 - 2. Any Laboratory performing analysis shall provide for comparison to TTLC, STLC, TCLP limits, and RCA limits, and to all other applicable regulatory limits. Laboratory shall retain samples at least ninety (90) calendar days after all analyses are complete.
 - 3. The Contractor shall ensure collection of as many representative samples as required by the representative of the disposal facility, but not less than 4 total.
 - 4. The Contractor shall ensure the following: each sample shall have an identifying sample number assigned when the sample is taken; each sample number shall be included on the sampling chain of custody and in all reports, correspondence, and other documentation related to the sample; each sample shall have a sampling chain of custody; and, each chain of custody show the name and organization of each person having custody of the sample, and also show the sample number, job name and location, time of day and date sample was taken, material sampled, and tests to be performed.
 - 5. The Contractor shall notify the District at least 24 hours prior to sampling collection for the purpose of District verification of samples collected.
 - 6. Manufacturer's Representative: The Contractor shall, at no cost to the District, provide a qualified technical representative of the coating system manufacturer at the job-site as required by the District to resolve problems related to the coating system or the application of the system.

2.3 DELIVERY, STORAGE, AND HANDLING

- A. The Contractor shall deliver materials as follows:
 - 1. Delivery of abrasive grit shall be in original labeled moisture-proof bags or airtight bulk containers. Abrasives shall not be reused.
 - 2. Delivery of coating system materials shall be in original, unopened containers with seals unbroken and labels intact. Labels shall identify type of material, color, and batch number. No material shall exceed six months from the original batch manufacturing date.
- B. The Contractor shall store materials as follows:

1. Store materials in a single, approved location.
 2. Store coating system materials in enclosed, secure, and ventilated structures, and maintain temperature inside the structure within the temperature range recommended by the manufacturer.
 3. Keep storage location clean, neat, and free of fire hazards.
 4. All operating equipment shall be placed into secondary containment to prevent accidental spills.
- C. The Contractor shall handle materials as follows:
1. Avoid spilling thinners, solvents, paint products or other materials that contain toxic substances. All compressors and operating equipment shall be placed in secondary containment. All sewer or site drains shall be covered.
- D. Remove discarded thinners, solvents, and paint products from the job-site daily.

2.4 SAFETY

- A. The Contractor shall comply with all Federal, State, and Local applicable safety regulations and requirements. All scaffolding shall be equipped with interior stairways. No exterior ladders on scaffolding will be allowed.

2.5 EXISTING INTERIOR COATINGS

- A. The District assumes present coating system (Epoxy) is the original coating system provided at the time of tank erection and fabrication.
- B. The Contractor shall bear all cost associated with stripping, handling, storing, testing, transport, and disposal of all waste. It shall be the Contractor's responsibility to estimate the quantity and classification of waste associated with work.

2.6 WARRANTY

- A. Anniversary inspection requirements and failure criteria shall be in accordance with AWWA D-102, Section 9, except as modified herein. The total warranty period shall be three years from the final acceptance date.
- B. The District will conduct a first anniversary warranty inspection approximately one year following final acceptance of the work, including inspection of the interior and exterior of the tank. The District will establish the date of the inspection and will notify the Contractor at least thirty (30) calendar days in advance of the inspection.
- C. The Contractor shall furnish ventilation, scaffolding, and lighting equipment as necessary for any warranty inspections, and shall be present for such inspections. The District will provide an inspection report to the Contractor detailing the number and types of failures observed, the percentage of surface area where failures have occurred, and the names of the persons making the inspections.

- D. The District shall consider any location where coating has delaminated, peeled, blistered, or cracked; and any location where rusting is evident as failure of the coating system. In addition, the District shall consider photographs or reports of the coating imperfections or failures as acceptable evidence of failure.
- E. The Contractor shall be liable for all remedial work including repair of all failures by removing the deteriorated coating, cleaning the surface, and recoating with the same system in accordance with this Section. The District may allow surface preparation of small failures (areas less than 1 sq ft.) by cleaning to bare metal in accordance with appropriate SSPC-SP standards, however, the method of repair is at the sole discretion of the District.
- F. The District will prepare a schedule for remedial work completion, to be no more than thirty (30) calendar days after the submittal of the inspection report to the Contractor. Upon failure of the Contractor to commence remedial work within ten calendar days after the starting date established by the District, the District may at its option, retain another Contractor to perform the remedial work. The Contractor shall be liable for actual cost of all such remedial work plus a 20 percent District administrative cost.
- G. The Contractor shall bear the expense of all warranty inspections of the remedial work required by the District. The Contractor shall disinfect the reservoir after the inspection and repairs.

2.7 PRODUCTS FOR INTERIOR COATING SYSTEM MATERIALS

- A. The Contractor shall provide the following new interior coating systems consisting of a thin film epoxy on the rafters, roof plates, and down 6" onto the shell (Devoe 233H or Sherwin Williams's tank clad B-62). The floor, shell, ladder, roof supports, and overflow shall be coated with Devoe 234P or Sherwin Williams Sherplate PW 100% solids epoxy recommended for corrosion protection of steel water storage tanks.
- B. The Contractor shall not use or allow to come in contact with any portion of the tank interior, any coating system and/or any thinners or additives which have not been approved and listed by the National Sanitation Foundation, Standard 61 (NSF 61) for use in potable water reservoirs. Minimum adhesion value (ASTM D-4541) for the lining system using a type two instrument shall be 800 P.S.I. The interior roof, rafters, and shell shall be completely coated and tested prior to abrasive blasting on the floor plates.
- C. The Contractor shall provide coating "certified non-lead" (less than 0.06 percent lead by weight in the dried film) as defined in Part 1303 of the Consumer Products Safety Act.

2.8 ABRASIVES

- A. The Contractor shall use abrasive grit for field blast cleaning conforming to the following:
- B. Produce a surface profile of 3.5 to 4.5 mils for the floor, shell, roof supports, ladder, and over flow.
- C. Produce a surface profile of 1.5 to 2.5 mils for the roof plates, rafters, and down onto the shell 1'.

- D. New, clean and free of contaminants, and containing no hazardous materials.
- E. Certified by California Air Resources Board, Executive Order G-565.
- F. Conform to all applicable requirements of the Local Air Quality District.
- G. Kleen Blast is approved. No sand abrasives are allowed.

2.9 QUALITY CONTROL

- A. The Contractor shall provide adequate lighting, without shadows, during all phases of work to insure that work is performed as specified and that the entire work area is illuminated.
- B. The Contractor shall provide ground supported scaffolding and lighting (SSPC Guide12), as determined by the Inspector, to facilitate visual and instrument inspection by the Inspector of each phase of the work and of the completed work, as so placed as directed to minimize glare and shadows. Work will be rejected if proper lighting is not achieved for a proper inspection. All scaffolding shall be equipped with stairways, no exterior ladders.
- C. The Contractor shall provide personnel to move scaffolding and furnish other assistance to District Inspectors as required.
- D. The District Coating Inspector will examine surfaces after abrasive blast cleaning to verify that all deposits of contaminants have been removed as per surface clean as per ISO 8502 Class 0. The Contractor shall blow down and vacuum all surfaces prior to District inspection. Tank floors shall be vacuumed.
- E. The Contractor shall verify at a minimum of two times daily that air supply is free of oil and moisture contamination (ASTM D-4285). The Contractor shall use effective oil and water separators in all main compressor airlines and shall be placed as close as practicable to the equipment. Prior to using compressed air, the Contractor shall test the quality of air downstream of the separators at suitable outlets by blowing the air on clean white blotter for 2 minutes to check for any contamination, oil, or moisture.
- F. The Contractor shall perform the following daily: measure air temperature, humidity, relative humidity, and metal surface temperature, and determine dew point and relative humidity prior to abrasive blasting or painting. The Contractor shall provide portable temperature & humidity recorders to provide continuous permanent hard copy of the reservoir conditions and, repeat measurements and determination of dew point as often as the District Inspector deems necessary but not less often than every four hours at the start of preparation operations and run constantly until final cure.
- G. The Contractor shall maintain a written record of measurements and dew points, and time that measurements were taken, keep such record on-site, and make records available to District Inspector on request.
- H. The Contractor shall furnish 1 roll of Testex tape 1.5 to 4.5 mils X-course prior to the start of abrasive blasting. The District Coating Inspector may evaluate surface preparation using field abrasive blasting standards, and Testex tape. Evaluation may

include inspection of blasted surfaces for dust and abrasive residue, using clear adhesive coated tape. Evaluation will be made immediately prior to coating application.

- I. The Contractor shall verify cleanliness of all spray application equipment prior to, or no later than, time of mixing coating material.
- J. The Contractor shall measure wet film thickness during coating application of coating to ensure adequate coating thickness, taking at least one measurement for each 100 square feet of application area. The Contractor shall measure dry film thickness after each coat using a non-destructive magnetic dry film thickness gauges.
- K. The District Coating Inspector may, but is not required to, also measure coating thickness, at random locations, after each coat. SSPC –PA 2 (Level 1) is only to be used for the calibration of dry film thickness gauges. This is a minimum maximum dry film thickness specification. Dry film thickness readings will not be averaged. All inspection equipment shall be supplied by the Contractor. All equipment shall have current calibration certificates. The District reserves the right to use their own equipment at any time.
- L. The District Coating Inspector will evaluate cleanliness of coated surface immediately prior to application of a subsequent coat.
- M. The Contractor shall test all coated surfaces for pinholes (NACE SPO-188) and holidays after application of the final coat in accordance with the following:
 - 1. Perform test in presence of the District Coating Inspector.
 - 2. Perform test after coating has cured as recommended by the manufacturer.
 - 3. Use an appropriate detector, such as Elcometer #236 or as approved by the District representative.
 - 4. Re-test after coating repairs.
 - 5. The District may hire a third party inspector to inspect Contractor's work, but the ultimate responsibility for the quality of the Contractor's work and the performance of contractual obligations remains with the Contractor.

2.10 LIMITING ENVIRONMENTAL CONDITIONS

- A. The Contractor shall apply coatings only when conditions are within the limits prescribed by the manufacturer and shall not apply coatings when the following conditions exist:
 - 1. Metal temperature is less than 60 degrees F.
 - 2. Relative humidity is greater than 45 percent.
- B. Contractor shall not abrasive blast or apply coatings when air temperature is less than 5 degrees F above dew point.

2.11 DEHUMIDIFICATION

- A. The Contractor shall provide dehumidification as required to establish and maintain the specified temperature and relative humidity inside the reservoir. The Contractor shall complete any blasting, coating and testing operations within the duration of time as specified. The District shall not provide a time extension for weather delay. The Contractor shall bear all cost and liability for work resulting from dehumidification equipment failure, breakdown, power failure, or down time. The Contractor should be aware that homes are in close proximity of the reservoir and sound could be an issue from operating equipment. The Contractor is responsible for staying within the District and local home owners association sound ordinances.
- B. The Contractor shall provide dehumidification continuously from start of white metal (SP #5) abrasive blasting, until a minimum of three (3) days after application of final coat and all repairs are completed, or for a longer period as recommended by the coating system's manufacturer. The Contractor shall submit a letter from the dehumidification manufacture that the equipment has been properly sized for this project prior to any abrasive blasting operations. A minimum of one air change per hour is required.
- C. The Contractor shall provide dehumidification equipment consisting of a solid desiccant (not liquid, granular, or loose lithium chloride) design having a single rotary desiccant bed capable of continuous operation, fully automatic with drip-proof electrical controller. Air heaters alone are not acceptable as dehumidification units.
- D. The Contractor shall ensure that relative humidity of processed air from dehumidification unit not exceed forty five percent.
- E. The Contractor shall ensure dehumidification equipment provides a minimum of one complete air changes inside the reservoir every sixty minutes.
- F. The Contractor shall ensure areas adjacent to the surface that is to be blasted and coated are not exposed to a relative humidity greater than forty-five percent at any time during blasting, cleaning, coating, or curing.
- G. The Contractor shall ensure that during blast cleaning and coating, and for 96 hours after final coat and all repairs are completed, dehumidification units maintain an air and steel temperature of 60 degrees F minimum inside the reservoir.
- H. The Contractor shall ensure dehumidification equipment is placed as close to reservoir manhole as possible.
- I. The Contractor shall ensure cleaning of dehumidification filters prior to start of dehumidification and weekly cleaning thereafter.
- J. The Contractor shall ensure dehumidification tubing is maintained as follows:
- K. Mechanically connected and sealed with duct tape at joints.
- L. Extended to the center of the Reservoir and attached to a diffuser that will distribute air equally throughout Reservoir.
- M. Have no dust or other foreign matter inside tubing.

- N. The Contractor shall provide and maintain 24-hour strip chart recorder for humidity and temperature and place humidity and temperature measuring devices inside reservoir at the start of abrasive blasting operations.

2.12 PREPARATION

- A. The Contractor shall prepare surfaces to be coated in accordance with the coating manufacturer's instructions but not less than specified herein.
- B. The Contractor shall clean surfaces including: removal of all visible oil, grease, dirt, welding residue, and other contaminants from areas to be coated; inspection using a black light to locate oil and grease; and removal of slag and weld metal accumulation and splatters by chipping or grinding as required in NACE SPO-178.
- C. The Contractor shall provide blast cleaning including: removal of existing coating, under film corrosion, corrosion, and other corrosion products from all areas to be coated; and, preparation of all surfaces to be coated by abrasive blast cleaning to SSPC-SP 5 white metal with a surface profile of 3.5 to 4.5 mils for the 100% solids epoxy and 1.5 to 2.5 mils for the thin film epoxy.
- D. The Contractor shall ensure complete abrasive blast cleaning of metal prior to application of coating system. The Contractor will provide a hold back of 5" into the existing coating.
- E. The Contractor shall not reuse abrasive blast media unless the media is specifically designed for reuse, if steel abrasive is used the working mixture shall be a minimum of 75% grit and 25% shot. The Contractor shall be fully aware of the different required anchor profiles that are required for different products.
- F. The Contractor shall ensure maintenance of abrasive blasting equipment including:
 - 1. Installation of an oil moisture separator in the airline between compressor and blast machine.
 - 2. Installation of an air cooler/dryer in the airline between the compressor and the oil and moisture separator.
 - 3. Use of venturi nozzle.
- G. The Contractor shall ensure all surfaces to be blast cleaned are electrically grounded during blast cleaning. All air and blast lines will have cable whip checks installed.
- H. The Contractor shall provide exhaust air dust collectors to prevent discharge of dust to outside air.
- I. The Contractor shall mask-off and protect all exposed machined metal surfaces, plastic, and other surfaces not to be painted or that may be damaged by abrasive blasting or tying in to coating systems.
- J. The Contractor shall remove all dust and abrasive from freshly blasted surfaces by use of a District approved vacuum system.

- K. The Contractor shall dispose of abrasive blast media and other waste materials off-site and in accordance with approved material disposal plan and discard material directly from Reservoir to a portable container and remove container from site. The Contractor shall ensure media is not placed on ground or other intermediate location. No abrasives shall be reused at any time.

2.13 APPLICATION

- A. The Contractor shall adhere to general application requirements as follows:
1. Mix and apply all coatings in accordance with the manufacturer's recommendations and instructions, the applicable requirements of SSPC-PA 1, and as specified herein.
 2. Obtain Inspector's evaluation and approval of steel surface preparation immediately prior to application of first coat.
 3. Obtain Inspector's evaluation and approval of cleanliness of previous coat immediately prior to application of a subsequent coat.
 4. Contractor shall provide ratio testing at the beginning of each application.
 5. Completely coat all surfaces above shell prior to coating shell. The floor will be abrasive blasted and coated after the shell, roof, roof supports and rafters are completely caulked, tested, and repaired.
 6. For each portion of the Reservoir-shell, roof, and floor, complete application.
 7. Apply coatings by plural component spray except:
 - a. Areas of less than 2 square inches may be brushed, or the roof and rafters.
 - b. Required brush striping of edges, welds, nuts, bolts, rafter edges, and roof plate edges. The thin film stripe coat will be applied as a totally independent coat by brush and allowed to dry prior to application of the finish coat. The stripe coat will be the same as the system being applied. No other products shall be allowed for stripe coats.
 8. Apply coatings at a temperature recommended by manufacturer. Prior to mixing, coating materials shall be not less than 90°F. Use explosion-proof inline heaters, as necessary.
 9. Scaffolding or other support system shall be free of abrasive blast media, dirt, and other foreign matter prior to coating application. The Contractor should be fully aware that most 100% epoxies can produce amine blush which must be removed prior to over coating and disinfection.
 10. Finish coat shall be uniform in color and gloss over the entire surface. Finish coat shall be smooth to touch with no sags, runs, dry spray, over-spray, cracks, pinholes or other surface defects and must be even in color and appearance. When coating is applied, the previously coated area will be masked off to prevent overspray onto newly painted surfaces.

11. Coating should not be applied closer than 6 inches from an unprepared surface.
 12. The Contractor shall apply an totally independent brush coat and allowed to dry to all welds, plate edges, rafter edges, nuts, bolts, and hard to reach areas prior to application of the finish coat.
- B. The Contractor shall provide color as follows: (Thin Film Epoxy / Devoe/233H or Sherwin Williams Tank Clad)
1. First Coat: Buff
 2. Second Coat: White
- C. The Contractor shall provide color as follows: (Thick Film Epoxy/ Devoe 234P or Sherwin Williams Sherplate PW)
1. White
- D. The Contractor shall provide a Dry Film Thickness (DFT) as follows: (Thin Film Epoxy)
1. First Coat: 8.0 mils minimum to 10.0 mils maximum
 2. Finish Coat: 8.0 mils minimum to 10.0 mils maximum
 3. Minimum total DFT: 16.0 mils
 4. Maximum total DFT: 20.0 mils
- E. The Contractor shall remove areas of paint in excess of allowable mils specified.
- F. The Contractor shall provide a Dry Film Thickness (DFT) as follows: (Thick Film Epoxy)
1. First Coat: 25.0 mils minimum to 30.0 mils maximum
 2. Minimum total DFT: 25.0 mils
 3. Maximum total DFT: 30.0 mils
- G. The Contractor shall provide additional coats to achieve specified minimum dry film thickness.
- H. The Contractor shall provide application equipment as follows:
1. Airless spray pumps in compliance with manufacturer's requirements, having an anti-freeze device, and fluid filter.
 2. Use fluid tip size recommended by manufacturer.

3. Use clean fluid lines not previously used to apply zinc-rich or water-based coating materials.
 4. Clean equipment using only products recommended by the coating manufacturer.
 5. Blow lines to remove all thinners prior to painting.
 6. Hardness testing is required eight hours of each application.
 7. Each application a sample shall be sprayed onto plastic and marked with the date and time of application including the batch number. This sample shall retained be given to the project Engineer.
 8. Ratio checks will be performed prior to each application in clean measured beakers. All plural component pump gauges shall be in working order prior to any application, if gauges are not working they shall be immediately replaced. All gauges shall be in the zero position when pump is off.
- I. The Contractor shall provide coating repairs as follows:
1. Touch-up or refinish all chipped, abraded, or otherwise unsatisfactory portions of the work in accordance with the manufacturer's recommendations. The Contractor should be fully aware that high solids epoxies can amine blush.
 2. Re-coating or touch-up of areas that have cured beyond the maximum time recommended by the manufacturer require the following special preparation.
 3. Sweep blast area and 3-inches into the surrounding area. Sweep blast under low pressure to uniformly abrade surface and feather edges. Feather edges by sanding or other means acceptable to the Inspector.
 4. Remove abrasive blast residue from blasted area with special attention to marginal areas of intact coating.
 5. All repairs will be masked off.
 6. Clean area with a bond solvent recommend by the manufacturer.

2.14 INTERIOR CURING AND CLEANING

- A. The Contractor shall ensure curing of all coatings by forced heated air ventilation for a minimum of 72 (ventilating) hours at seventy degrees, or longer if recommended by the manufacturer after coating application and repairs are completed. Curing shall include providing ventilation at a rate of at least one complete air change every four hours.
- B. Equipment shall have a time recorder that provides a cumulative record of operating time.
- C. Deliver air from ventilating fan to center of reservoir through continuous flexible duct that is not reduced in area from the fan outlet.

- D. Prior to re-installation of roof vent covers removed during forced air ventilation, the Contractor shall ensure cleaning as follows:
- E. Clean dust and abrasive-blasting residue from the roof ventilation screens.
- F. Thoroughly wash down with water all interior surfaces, including but not limited to, roof, walls, floor, piping and supports. All amine blush must be removed prior to putting the reservoir into service. The Contractor shall steam clean surfaces where necessary.

2.15 SHELL TO ROOF JUNCTION GAP CAULKING

- A. Prior to finish coat is cured (finger nail depression test), the Contractor shall completely fill the shell to roof juncture gap and gaps and around the entryways and the floor roof pedestals with Sikaflex-1A NSF-61 caulking or approved substitute to provide a tightly adherent, smooth and continuous seam of caulk. This application may be performed after to the application of epoxy or as directed by the manufacture.

2.16 MANWAY GASKET REPLACEMENT AND VENT SCREENS

- A. The Contractor shall supply new manway gaskets for tank manways. The vent screens shall be replaced with new vent screens as per AWWA D-100.

2.17 RESERVOIR DISINFECTION

- A. Upon complete curing, the Contractor shall submit in writing to the District certification that the coating is cured and ready to be placed into service for disinfection and testing. Reservoir cleaning and disinfection shall not commence without written certification. All amine blush must be removed prior to disinfection.
- B. After all other work has been completed, the Contractor shall ensure that the interior of the Reservoir is thoroughly cleaned and disinfected in accordance with the most current edition of AWWA C652, Disinfection of Water Storage Facilities. The Contractor shall ensure the reservoir is disinfected in accordance with Chlorination Method 2, which requires spray wash of the Reservoir interior with a 200-mg/ml chlorine solution. The District will assist the Contractor in filling the Reservoir and the Contractor shall allow three (3) consecutive working days for the owner to fill the Reservoir.
- C. The Contractor shall furnish all cleaning and disinfection materials and all equipment and labor necessary for the cleaning and disinfecting operations.
- D. After the first 24 hours have elapsed once the tank is full, the District will take a sample of the water to be used for bacteriological contaminants. If the results of this test are negative, the tank will be considered satisfactorily disinfected. If the results are positive, the tank shall be drawn down to that depth that will permit the addition of sodium hypochlorite to a final concentration of 10-mg/L. This depth will be determined upon an evaluation of the chlorine residual provided for in this Section of these Project Special Provisions.
- E. The Contractor shall ensure that any water used in cleaning and in disinfection of the Reservoir, is discharged in a manner acceptable to the District and the appropriate water

pollution control agency. The Contractor shall ensure all water discharged is de-chlorinated.

2.18 SOAK PERIOD & TESTING FOR VOLATILE ORGANIC COMPOUNDS

- A. The Contractor shall ensure that water in the Reservoir is allowed to soak for five (5) days after the Reservoir has been filled to the over-flow level and disinfected.
- B. After the five-day soak period the District will sample and submit a single sample to a certified laboratory to test the water for presence of organic chemical contaminants (e.g. TCE, PCE, etc.) possibly having leached from the new paint system. The sample is to be tested in accordance with EPA Method 524.2. The water sample will be collected by the District in the presence of the Contractor and should be a true representation of the water in the Reservoir at the time.
- C. The Contractor shall be liable for all cost associated with re-testing water if reservoir water draining and refilling is necessary.
- D. The District Engineer shall evaluate and determine acceptability of the aesthetic quality of the water as a condition of final acceptance of the work. Constituent levels found from sample results which are at or below regulated maximum contaminant levels specified by state and federal standards shall not be the sole basis for tank acceptance.
- E. The District Engineer may reject all work or a portion thereof based on any adverse taste or odor detected or other conditions affecting the aesthetic quality of the water.

2.19 DISPOSAL OF EXISTING COATINGS AND SPENT ABRASIVE BLAST MEDIA

- A. The Contractor shall dispose of spent abrasive blast media and removed coating materials in accordance with a District approved disposal plan.
- B. The Contractor shall coordinate and pay all costs for sampling and testing of spent abrasive blast media and removed coating materials in order to document waste class. Minimum sampling and testing requirements are listed previously in this Section.
- C. Prior to removal of hazardous wastes off-site, the Contractor shall allow adequate time for District to review laboratory test results, as well as the time required to obtain a Hazardous Waste Generator's U.S. EPA ID Number, if required the District will provide the Contractor with written notice to dispose of all or a portion of the spent abrasive blast media and/or removal coating materials as hazardous waste, if so determined by the District that such disposal is required.
- D. The Contractor shall be responsible for all costs associated with accumulating, transporting, and disposing of spent abrasive blast media and removed coating materials.

2.20 CLEAN-UP

- A. Upon completion of the work, the Contractor shall make a detailed inspection of all work.

- B. The Contractor shall be solely responsible for all paint over-spray or fugitive dust fallout claims.
- C. The Contractor shall remove all spattering, spits, and blemishes.
- D. Upon completion, of work, the Contractor shall remove all staging, tarps, scaffolding, and containers from the site, including but not limited to: paint and thinner containers and excess paint and thinner (to be disposed of in conformance to all current regulations); paint spots removed and the entire job site cleaned; all damage to surfaces resulting from the work from this section to be cleaned, repaired or refinished to the complete satisfaction of the District. All clean up shall be completed within 7 calendar days starting at the last day of holiday testing of the reservoir. The Contractor shall allow adequate time for District for review of laboratory test results, as well as the time required to obtain a Hazardous Waste Generator's U.S. EPA ID Number if required.
- E. The District will provide the Contractor with written notice to dispose of all or a portion of the spent abrasive blast media and/or removed coating materials, as required.
- F. The Contractor shall bear all costs associated with site clean up.

2.21 MEASUREMENT AND PAYMENT

- A. Under this item, the Contractor shall remove all existing coatings from the inside of the tank and abrasive blast interior surfaces. The Contractor shall then recoat the tank interior using the system specified. The Contractor shall also provide the necessary environmental controls (dehumidification, heaters, enclosures, etc.) and arrange for the VOC testing, disinfecting of the tank, and arrange for bacteriological testing.
- B. Payment will be made on a lump sum basis in accordance with Section 01150, Measurement and Payment.

PART 3 EXTERIOR COATING

3.1 SCOPE

- A. The Contractor shall properly prepare all exterior surfaces of the water storage tank including, shell, roof, ladders, piping, and appurtenances. The Contractor shall apply the coating system as indicated herein and in a manner prescribed by these specifications and the manufacturers printed application instructions. The interior coating system must be completed prior to coating work on the exterior. The existing roof anode access holes shall receive new Hand Hole Liner Grommet as manufactured by Dive Corr (562-439-8287).
- B. Cochran reservoir the Contractor shall over coat the exterior coating of the reservoir and all associated piping and appurtenances. The exterior shall be water blasted at a minimum of 5,000 P.S.I. to remove all existing chalking. No water will be allowed to leave the boundaries of the site. The drains shall have filter fabric installed to prevent any cleaning debris from entering the site drainage system. The use of Devco Devprep #88 or approved equal shall be used to pre-clean the exterior. At no time will the pre cleaner be allowed to dry on the exterior surfaces. All areas of visual corrosion shall be cleaned as

per SSPC/SP#3 and SP#11. At no time shall fugitive dust or overspray be allowed beyond the site boundaries. The contractor shall remove any existing caulking at the base of the tank. The exterior shell to concrete chime shall be completely caulked with Sika 2-C after application of the finish coat.

- C. At least two days prior to start of work, the Contractor shall arrange with the District for a pre-preparation conference at the job site to ensure that all parties involved are familiar with the entire project, including all specifications, safety codes, and job site conditions.

3.2 MATERIALS

- A. The District provides the following protective coatings manufacturer, as specified herein, as a standard of quality, or equal. All finish colors shall be colored at the factory as a dry grind only, no quick colors shall be accepted.

PPG / Ameron

- B. Reference Standards: The Contractor shall comply with the requirements of the Steel Structures Painting Council Painting Manual, Volume 1 and 2, Good Painting Practices, including the National Association of Corrosion Engineers, American Society of Testing and Materials, and American Water Works Association D-102-06, for application and surface preparation, and all applicable OSHA and safety standards.
- C. The Contractor shall consult the District Engineer regarding any situations not covered by the reference standards or this specification; however, it is the Contractor not the District that is ultimately responsible for proper exterior coating application.

3.3 SUBMITTALS

- A. The Contractor shall submit the manufacturers latest written product data sheets on each product to be used, and current manufacturer's safety data sheets (M.S.D.S.) on all materials to be used in the surface and coating operations including abrasives, thinners, cleaning fluids, and solvents.
- B. The Contractor shall submit, for the District Engineer's acceptance, a written program detailing measures for full containment, and equipment and dust and over-spray control.
- C. The Contractor shall maintain on the job site at all times M.S.D.S. and product data sheets. The Contractor shall post required signage for lead work.
- D. The Contractor shall include the following data in the manufacturer's recommended handling and installation instructions for the proposed paint system submittal:
 - 1. Storage – including maximum and minimum storage temperatures
 - 2. Surface preparation
 - 3. Coating repair
 - 4. Application equipment

5. Mixing and application of coating system – including a table of minimum and maximum time to re-coat as a function of temperature
6. Curing – Minimum and maximum re-coat times.
7. Acceptable temperatures at the time of application
8. The Contractor shall include the following data in the report submittal: Quantity of coating material used for each coat, submitted within 24 hours after completion of each coat.

3.4 DELIVERY

- A. The Contractor shall assure that all materials delivered to the job site are in their original unopened containers.
- B. The Contractor shall not use any product older than twelve months from the original manufacturer's factory batch date as listed on the container.

3.5 STORAGE

- A. The Contractor shall submit, for the District Engineer's acceptance, a specified material storage area and store all materials in the approved location.
- B. The Contractor shall maintain material storage areas in a clean condition, free of solvent rags, and wastepaper. The Contractor shall remove debris and other fire hazards and dispose of such items in accordance with all the applicable regulations at the end of each work day.

3.6 SAFETY

- A. This project is subject to all applicable Safety and Health regulations and Industry Safety Standards.
- B. The Contractor shall submit a notarized letter signed by a principal officer certifying the Contractor fully complies with the California Code of Safety Regulations and the Federal Code of Regulations pertaining to the scope of this project, but not limited to the following; as well as any other applicable orders, codes, ordinances, or laws, State, Federal, and Local. (GISO-General Industry Safety Orders, CSO-Construction Safety Orders, CFR-Code of Federal Regulations).

Title	Code Regulation	Section
Illness Injury Prevention Program	CSO/GISO	1508-3203
Hazard Communication	GISO	5194
Lead	CFR	1926.62
Safety Instructions for Employees	CSO	1510
Dust, Fumes, Mist, Vapors, and Gases	CSO	1528
Metal Scaffolding	CSO	1644
General Industry Standards	29 CFR	1910.1025
Respiratory Protection	CSO/GISO	1531-5144

3.7 HAZARDOUS SUBSTANCES

- A. The Contractor shall exercise extreme care when handling or disposing of materials or substances listed in Section 8-339 of Division 4 (California Code of Occupational Safety and Health Regulations) of Title 26 (Toxics) of the California Code of Regulations, or as evidenced by the M.S.D.S.
- B. The Contractor shall immediately notify the District Engineer of any spill of material that is a hazardous substance in accordance with the appropriate jurisdiction.

3.8 DUST/OVER-SPRAY CONTROL

- A. The Contractor shall provide full containment for the coating and surface preparation operations to prevent damage or nuisance to property or persons.
- B. The Contractor shall be solely responsible for all claims resulting from dust and over-spray control from the coating and surface preparation operations or any damage or nuisance to property or persons.

3.9 WORKMANSHIP

- A. The Contractor shall provide written evidence to the District Engineer that workers furnished have performed quality work and possess experience and knowledge in surface preparation and the application of high performance industrial coatings.
- B. The Contractor shall provide written evidence to the District Engineer that the Contractor has a minimum of five years experience in the painting of water storage tanks and a current list of water tank painting projects for the past five years (five minimum).
- C. The Contractor shall conform to all the standards of craftsmanship as discussed in the Steel Structures Painting Council's Painting Manual, Volume 1, Good Painting Practice. These techniques include, but are not limited to: multiple passes of the spray gun, with each pass overlapped 50%, and "cross hatching" successive coats of paint. A stripe (Brush coat) is required on all welds prior to the finish coat

3.10 EQUIPMENT

- A. The Contractor shall use properly functioning equipment capable of performing the task required.

3.11 SURFACE PREPARATION

- A. The Contractor shall prepare all exterior surfaces by water blasting and power tool cleaning.
- B. The Contractor shall schedule cleaning and painting so that detrimental amounts of dust or other contaminants do not fall on wet, or newly painted surfaces. Surfaces not to be painted shall be suitably protected from the effects of cleaning and painting operations. Prior to spot and full priming, surfaces shall be cleaned by a combination of blowing with clean dry air with a 1/2" hose with a shut off device, vacuuming, brooming, or as directed by the District Engineer.

3.12 DEGREE OF CLEANLINESS

- A. The Contractor shall water blast the exterior of the reservoir at 5, 000 P.S.I. minimum (SSPC/WJ-4) with Devco Dev-prep #88 or Great Lakes Extra Muscle Detergent. At no time shall cleaning detergents be allowed to dry on the exterior surfaces. The Contractor shall remove all chalking with an end result equal to ASTM D-4214 result #8
- B. The entire existing exterior coatings shall be pole sanded to remove any existing debris in the coating. The Contractor shall power tool clean all areas of visual corrosion as per SSPC/SP# 3 and as per SSPC/Sp#11. All broken edges shall be feathered to a smooth transition.

3.13 AIR COMPRESSORS

- A. The Contractor shall remove from the work site air compressors that are undersized or will not supply sufficient air for the coating operations. All operating equipment shall be placed into secondary containment to prevent accidental spills.
- B. The Contractor shall check air stream a minimum of twice daily for moisture and oil contamination as per ASTM D-4285. All equipment shall have moisture and oil separators.

3.14 COATING APPLICATION/ ENVIRONMENTAL CONDITIONS

- A. The Contractor shall not apply coating when any of the following conditions occur: metal temperature is less than five degrees above the dew point and on the rise for a minimum of six hours.
- B. The Contractor shall measure relative humidity and dew point using a sling psychrometer in conjunction with U.S. Department of Commerce Weather Bureau Psychrometric Tables.

3.15 APPLICATION PROCEDURES

- A. The Contractor shall apply all coatings in accordance with the manufacturer's latest written recommendations and the best state of the art techniques that will result in a finish that is free of runs, sags, pinholes, dry spray, orange peel, be in equal in color and appearance. The exterior welds shall be stripe coated with the epoxy primer prior to the application of the urethane finish coat.
- B. The Contractor shall bring all materials to the job site in the original factory sealed containers. The Contractor shall not use any material until the Engineer has inspected the contents and obtained the information from the containers or labels. All materials shall be mixed as full kits only. Materials shall only be thinned with the manufacturer's recommended thinners, and will be thinned as required to adjust for viscosity for temperature variations, proper atomization and flow. Thinning shall not exceed the Local, State, or Federal V.O.C. limits. Any catalyzed material remaining at the end of each day shall be properly discarded. The entire primer application shall be complete before the finish coat is applied.
- C. In order to prevent the degradation or contamination of cleaned surfaces, the first coat of paint shall be applied immediately after the surfaces have been cleaned and approved by

the Engineer. Succeeding coats shall be applied before contamination of the under surface occurs.

3.16 CURING

- A. Each coat of paint shall be allowed to either dry or cure for the amount of time recommended by the coating manufacture before successive coats of paint are applied.
- B. All successive coats of paint shall be applied within the re-coat threshold time as recommended by the manufacturer.

3.17 COLOR SCHEME

- A. The exterior top coat color shall be as per the District General Manager's instructions.
- B. The Contractor shall submit color chips at least 3-inches by 5-inches in dimension within five (5) days prior to the start of application of the exterior top coat. The Contractor shall order final coating materials only after receiving written approval from the District Engineer. Failure to obtain the District's approval prior to ordering shall not be cause for additional compensation.

3.18 EXTERIOR SURFACES – COATING SYSTEMS

- A. The Contractor shall full prime and finish coat all exterior surfaces including, shell, roof, ladders, railings, and all associated piping.
- B. The following coating system is approved by the District.
- C. PPG-Ameron, Inc. or Approved Equal
- D. Spot Prime: Amerlock Sealer at 1.5 minimum 2.0 maximum mils DFT
- E. Finish Coat: Amershield at 3.0 minimum 5.0 maximum mils DFT
- F. Total System DFT: 4.5 minimum 7.0 mils maximum
- G. The color and sheen (Gloss) shall be submitted to the District and approved in writing by the District prior to Contractor ordering material.

3.19 FILM THICKNESS

- A. The tank Coating Inspector shall inspect film thickness with a non-destructive dry film thickness gauge (e.g., Elcometer 456). The Contractor shall provide to the District upon request U.S. Department of Commerce, Bureau of Standards calibration plates to verify accuracy.

3.20 COATING REPAIRS

- A. If it is necessary to touch-up or re-coat damaged areas after the coatings have cured beyond the maximum re-coat time, the Contractor shall prepare surfaces prior to applying touch-up paint. The Contractor shall mask off and spray designated areas only. All repairs will be masked off.

3.21 CONTRACTOR'S RESPONSIBILITY

- A. The Contractor shall dispose of any residual waste from surface preparation operations in compliance with all Federal, State, and Local regulations. The Contractor shall ensure that all openings are covered and protected to prevent over-spray from entering the Reservoir. The Contractor will be responsible for all costs in the event of contamination of the water inside the Reservoir.
- B. Upon completion of the work, the Contractor shall restore the site to the original condition, including removing all trash and other debris from the site.

3.22 CLEAN-UP

- A. Upon completion of the work, the Contractor shall make a detailed inspection of all work.
- B. The Contractor shall be solely responsible for all paint over-spray or dust fallout claims.
- C. The Contractor shall remove all spattering, spits, and blemishes.
- D. Upon completion of the work the Contractor shall remove all staging, tarps, scaffolding, and containers from the site, including, but not limited to: paint and thinner containers and excess paint and thinner (to be disposed of in conformance to all current regulations); paint spots removed and the entire job site cleaned; all damage to surfaces resulting from the work from this section to be cleaned, repaired or refinished to the complete satisfaction of the District. All clean up shall be completed within 7 calendar days starting at the last day of holiday testing of the reservoir. No abrasive residual may be left on the ground and must be removed.
- E. The Contractor shall bear all costs associated with site cleanup.

3.23 STEEL TANK 1-YEAR INSPECTION

- A. At the time of tank acceptance for service, the District Engineer shall schedule the first anniversary inspection provided for in AWWA D102-06. The inspection of the tank shall be scheduled for a date between the first day of the eleventh month and the thirtieth day of the thirteenth month following acceptance. This schedule for the inspection shall be considered tentative and the Contractor will be notified of the inspection schedule no later than the first day of the tenth month following acceptance of the tank.
- B. Upon completion of this inspection, the inspecting firm will prepare a report that includes but is not limited to, the methods used in the inspection, the equipment and personnel on hand at the time of the inspection, a summary of findings, photographs of all deficiencies found, and any other information relevant to the condition and maintenance of the tank.
- C. The Contractor shall have a representative on site at the time of inspection to authorize any minor repairs the inspection subcontractor is willing to perform during or directly after the inspection.

3.24 OMISSIONS

- A. Care has been taken to delineate herein those surfaces to be coated. However, if the coating requirements have been inadvertently omitted from this section or any other section of the specifications, it is intended that all metal surfaces unless specifically exempted herein, shall receive a first class protective system equal to that given the same type surface pursuant to these specifications.

3.25 INSPECTION

- A. The District has retained a coating inspection firm to oversee all quality control related to coating operations. The tank inspector will report directly to the District Engineer and shall act with the Engineer's authority in all matters related to tank construction. The Inspector will be an N.A.C.E. Certified Coating Inspector, who will inspect any or all phases of work to be performed as outlined herein. The tank inspector shall be an addition to the District Inspector; authority shall be limited to tank related work only. The District Inspector shall remain the primary observer for all work on the project. The tank inspector shall work for and report to the District. The Contractor shall not rely upon the tank inspector for documentation of environmental conditions and assuring compliance with plans and specifications.
- B. The Contractor shall notify the District Engineer in advance (48 hours minimum) of all surface preparation or paint application in order to perform a preliminary examination and provide acceptance of the surface preparation and each coat prior to application of the next coat.
- C. The Coating Inspector shall examine all materials, tools, and equipment to be used in the blasting and coating operations and shall have the authority to direct the Contractor to remove, replace, or repair any materials, tools, or equipment found not to be in conformance with the Contract Documents including the approved shop drawings and manufacturer's recommendations. The tank inspector will also observe the Contractor's safety activities throughout blasting and coating operations and the Contractor shall immediately rectify any deficiencies noted in that observation. The Contractor shall be fully responsible for compliance with all safety measures, hazardous and toxic materials regulations, and site security. Observation of or failure to observe any safety efforts of the Contractor by the Tank Inspector shall not relieve the Contractor of this responsibility nor shall any liability transfer from the Contractor to the District or the Tank Inspector. The Contractor shall indemnify, defend, and save harmless the District and the Tank Inspector from all liability associated therewith.
- D. The SSPC-Vis1 pictorial surface standards along with dry film and wet film thickness gauges will be used by the Coating Inspector to determine acceptability of the paint application. The Contractor shall provide necessary testing equipment to perform the above-mentioned tests.
- E. The Contractor shall afford the tank inspector all reasonable facilities and assistance in monitoring the coating and priming operations. The Contractor shall provide weekly copies of their daily work reports to the tank Coating Inspector. Such reports shall include, but not be limited to, the day and date of work performed, the relevant weather conditions, the type and amount of work performed, all work related to the safety of the operation, and personnel assigned to work actually performed.

- F. To facilitate adequate inspection of all surfaces, the Contractor shall provide scaffolding or rigging necessary for the Coating Inspector to perform dry film thickness readings, and visual holiday inspection as required by these specifications and reference standards. The Contractor shall provide personnel to move scaffolding or rigging at the instructions of the Engineer.
- G. The tank Coating Inspector shall have authority to direct the Contractor to suspend operations when environmental conditions fall outside the manufacturer's recommended parameters. The Contractor shall comply with these directions and shall not proceed until the tank Coating Inspector determines environmental conditions are sufficient to proceed. Failure to suspend coating operations as directed or restarting work without the direction of the tank Coating Inspector shall be cause for rejection of work so performed.
- H. The Contractor shall immediately remove and replace all such work in accordance with these Project Special Provisions and directions of the tank inspector. No additional compensation will be allowed for work resulting from failure to comply with the tank inspector or for surfaces not otherwise conforming to the provisions of these Project Special Provisions.

3.26 COATING INSPECTOR AUTHORITY

- A. The tank Coating Inspector shall have authority to direct the Contractor to suspend operations when environmental conditions fall outside the manufacturer's recommended parameters.
- B. The Contractor shall comply with directions and shall not proceed until the tank Coating Inspector determines environmental conditions are sufficient to proceed. Failure to suspend coating operations as directed or restarting work without the direction of the tank Coating Inspector shall be cause for rejection of work so performed.
- C. The Contractor shall immediately remove and replace all such work in accordance with these Project Special Provisions and directions of the Coating Inspector.
- D. No additional compensation will be allowed for work resulting from failure to comply with the tank inspector or for surfaces not otherwise conforming to the provisions of these Project Special Provisions.

3.27 SAFETY

- A. The Contractor shall provide a safe work environment at all times. In the event the Coating Inspector notes any safety deficiencies, the Contractor shall immediately rectify noted deficiencies.
- B. The Contractor shall be fully responsible for compliance with all safety measures, hazardous and toxic materials regulations, and site security. Observation of or failure to observe any safety deficiencies of the Contractor by the Coating Inspector shall not relieve the Contractor of this responsibility nor shall any liability transfer from the Contractor to the District or the Coating Inspector.
- C. The Contractor shall save harmless the District and the Coating Inspector from all liability associated therewith.

3.28 INSPECTION ASSISTANCE

- A. To facilitate adequate inspection of all surfaces, the Contractor shall provide scaffolding or rigging necessary for the Coating Inspector to perform dry film thickness readings, and visual holiday inspection as required by these specifications and reference standards.
- B. The Contractor shall provide personnel to move scaffolding or rigging at the instructions of the Coating Inspector.

3.29 NOTIFICATION

- A. The Contractor shall notify the Coating Inspector in advance (48 hours minimum) of all surface preparation or paint application in order to perform a preliminary examination and provide acceptance of the surface preparation and each coat prior to application of the next coat.

3.30 ACCEPTABILITY FOR PAINT APPLICATION

- A. The SSPC-Vis1 pictorial surface standards along with dry film and wet film thickness gauges will be used by the Coating Inspector to determine acceptability of the paint application.
- B. The Contractor shall provide necessary testing equipment to perform the above-mentioned tests.

3.31 REPORTING

- A. The Contractor shall afford the Coating Inspector all reasonable facilities and assistance in monitoring the coating and priming operations.
- B. The Contractor shall provide weekly copies of daily work reports to the tank Coating Inspector. Such reports shall include, but not be limited to, the day and date of work performed, the type and amount of work performed, all work related to the safety of the operation, and personnel assigned to work actually performed.

END OF SECTION

This Page Intentionally Left Blank

SECTION 13212

TANK DISINFECTION AND TESTING

PART 1 GENERAL

1.1 DESCRIPTION

- A. Tank disinfection shall be in accordance with AWWA C-652, using Method 2 (Section 4.3.2) and as outlined hereinafter. The Owner shall furnish, at no cost, the water for cleaning once, disinfection once, and filling once, for the tank.
- B. Tank volatile organics (VOC) testing shall be in accordance with California Department of Health Services recommendations and as outlined hereinafter. The Owner shall furnish, at no cost, the water to fill the tanks once for this test.
- C. The Contractor will be responsible for obtaining any necessary permits, complying with all regulations and assuring that all water discharged from the tank does not cause any environmental damage or nuisance.

1.2 CLEANING

- A. All cleaning shall be in accordance with AWWA C-652 Section 4.1. The Owner will provide all water for cleaning once. The final cleaning shall be subject to inspection and approval of the Engineer.
- B. All scaffolding, planks, tools, rags, dust, dirt, scrap material fragments, and any other material not part of the structural or operating facilities of the tank shall be removed. Then the surfaces of the walls, floor, and operating facilities of the storage facility shall be cleaned thoroughly by use of a high pressure water jet, sweeping, scrubbing, or equally effective means. All water or foreign material accumulated in this cleaning operation shall be removed from the storage facility. No sand, debris or foreign material shall be discharged through the tank drain system.
- C. Following the cleaning operation, the vent screen, overflow screen, and any other screened openings shall be checked and put in satisfactory condition to prevent birds, insects, and other possible contaminants from entering the facility.

1.3 DISINFECTION

- A. Upon complete curing, the Contractor shall submit in writing to the District certification that the coating is cured and ready to be placed into service for disinfection and testing. Reservoir cleaning and disinfection shall not commence without written certification. All amine blush must be removed prior to disinfection.
- B. After all other work has been completed, the Contractor shall ensure that the interior of the Reservoir is thoroughly cleaned and disinfected in accordance with the most current edition of AWWA C652, Disinfection of Water Storage Facilities. The Contractor shall ensure the reservoir is disinfected in accordance with Chlorination Method 2, which requires spray wash of the Reservoir interior with a 200-mg/l chlorine solution. The

District will assist the Contractor in filling the Reservoir and the Contractor shall allow three (3) consecutive working days for the owner to fill the Reservoir.

- C. The Contractor shall furnish all cleaning and disinfection materials and all equipment and labor necessary for the cleaning and disinfecting operations.
- D. After the first 24 hours have elapsed once the tank is full, the District will take a sample of the water to be used for bacteriological contaminants. If the results of this test are negative, the tank will be considered satisfactorily disinfected. If the results are positive, the tank shall be drawn down to that depth that will permit the addition of sodium hypochlorite to a final concentration of 10-mg/L. This depth will be determined upon an evaluation of the chlorine residual provided for in this Section of these Project Special Provisions.
- E. The Contractor shall ensure that any water used in cleaning and in disinfection of the Reservoir, is discharged in a manner acceptable to the District and the appropriate water pollution control agency. The Contractor shall ensure all water discharged is de-chlorinated.

1.4 BACTERIOLOGICAL TESTING

- A. After the Contractor disinfects and fills the tank, and following the contact time required by the disinfection method, the Owner will take three water samples for coliform organism testing. If the samples are negative, then the water will be allowed to stand in the tank for volatile organics testing. If one or more of the samples are positive, an additional three samples will be taken. If one or more of the repeat samples are positive, the tank must be drained and re-disinfected. The Contractor will be responsible for draining the tank. Water to refill the tank will be paid for at the Contractor's expense at a rate of \$1.53 per 100 cubic feet. This process will be repeated as necessary until all three samples collected during a sampling event are negative.
- B. The Contractor has the right to obtain his own samples for independent coliform testing at any laboratory certified by the California State Department of Health Services for such testing. All samples tested must be reported. The Owner reserves the right to take additional samples for coliform testing if the Contractor's testing results differ from the Owner's.
- C. Costs for initial coliform testing shall be paid by the Owner. Contractor shall pay for any necessary repeat sampling and testing and for any independent samples obtained by Contractor. Additional samples taken by the Owner under the provisions of item B. above will be paid for by the Owner if the results are in agreement with the Contractor's samples. In the event that the results of such additional samples are not in agreement with Contractor's samples, the samples will be considered to be repeat samples and will be paid for by Contractor.

1.5 VOLATILE ORGANIC CHEMICALS

- A. After water samples from the disinfected tank have passed the coliform testing and the water has been in the tank for a minimum of 120 hours, the Owner will take a water sample from the tank to test for Volatile Organic Chemicals (VOCs) which could be released from the paint. If any VOCs are found above State or EPA maximum

contaminant levels or applicable health advisory levels, the tank will be drained to waste and the Contractor will be responsible to take appropriate actions, subject to recommendation of the coating manufacturer and approval of the Engineer, to assure that the coatings are entirely cured and will not leach VOCs. If, in the opinion of the Engineer, the actions taken to correct the VOC problem could result in bacterial contamination of the tank, the contractor will be required to disinfect the tank in accordance with section 1.3 and repeat the bacteriological testing described in Section 1.4. All such actions will be at the Contractor's expense.

- B. If the water in the tank does not pass VOC standards at the end of the first 120 hour period, the Contractor will be responsible for draining the tank. The tank will then be refilled, at the Contractor's expense, at a rate of \$1.53 per 100 cubic feet. After 120 hours, the water will again be sampled and tested for VOCs. This process will be repeated as necessary until water in the tank passes VOC standards.
- C. The 120-hour soaking period for VOC testing may be performed concurrently with the retention period required under the disinfection process. The tank shall not be placed in service until the DHS has reviewed and approved the VOC test results.
- D. The Contractor has the right to obtain his own samples for independent VOC testing at any laboratory certified by the California State Department of Health Services for such testing. Water in the tank will be considered to have passed VOC standards when the arithmetic mean of all analyses for each VOC is below State or EPA maximum contaminant levels or applicable health advisory levels. The Owner reserves the right to take additional samples for VOC testing if the Contractor's testing results differ from the Owner's.
- E. Costs for initial VOC testing shall be paid by the Owner. Contractor shall pay for any necessary repeat sampling and testing and for any independent samples obtained by Contractor. Additional samples taken by the Owner under the provisions of item D. above will be paid for by the Owner if the results are in agreement with the Contractor's samples. In the event that the results of such additional samples are not in agreement with Contractor's samples, the samples will be considered to be repeat samples and will be paid for by Contractor.

1.6 DISCHARGE OF CHLORINATED WATER

- A. Prior to discharge of chlorinated water, a reducing agent shall be applied to the water to be wasted to neutralize thoroughly the chlorine residual remaining in the water. A chlorine residual of less than 0.1 mg/l is required. Only chlorine reducing agents approved by the Engineer will be allowed.
- B. A pH of between 6.5 and 8.5 is also required prior to discharge.
- C. All discharges shall be controlled so as not to cause erosion or flooding downstream. The Contractor shall coordinate all discharges with the Owner and Engineer.

1.7 TESTING

- A. The samples shall be taken from a sample tap on the outlet piping from the tank, or from a sample tap connected directly to the tank. In either case, the operation shall be such as to assure that the sample collected is actually from water that has been in the tank.
- B. During the disinfection operation and the required sampling of water from the tank, samples may be taken by the Contractor from water inflowing to the tank to determine if coliforms are present in the typical potable water source.
- C. After the five-day soak period the District will sample and submit a single sample to a certified laboratory to test the water for presence of organic chemical contaminants (e.g. TCE, PCE, etc.) possibly having leached from the new paint system. The sample is to be tested in accordance with EPA Method 524.2. The water sample will be collected by the District in the presence of the Contractor and should be a true representation of the water in the Reservoir at the time.
- D. The Engineer shall evaluate and determine acceptability of the aesthetic quality of the water as a condition of final acceptance of the work. Constituent levels found from sample results which are at or below regulated maximum contaminant levels specified by state and federal standards shall not be the sole basis for tank acceptance.
- E. The Engineer may reject all work or a portion thereof based on any adverse taste or odor detected or other conditions affecting the aesthetic quality of the water.

1.8 AFFIDAVIT OF COMPLIANCE

- A. The affidavit of compliance shall be the coliform and volatile organic test results certifying the water held in the tank to be free of coliform bacteria and volatile organic contamination.

1.9 TESTING COST

- A. Initial cost for coliform and VOC tests required in this section will be paid for by the Owner. Cost for retesting due to an initial failed test will be the responsibility of the Contractor. Costs of any testing performed by the Contractor will be the responsibility of the Contractor.

1.10 TIME DELAYS

- A. Contractor shall not be entitled to a time extension for any delay caused by the retesting requirements of this section.

PART 2 PRODUCTS – Not Used

PART 3 EXECUTION – Not Used

END OF SECTION

(DO NOT DETACH)

PROPOSAL TO THE BOARD OF DIRECTORS
OF THE MCKINLEYVILLE COMMUNITY SERVICES DISTRICT

FOR

COCHRAN ROAD 1.5 MG TANK PAINTING PROJECT

BID NO. 2016-01

To the Board of Directors of the McKinleyville Community Services District:

The undersigned, as Bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the location(s) of the proposed work and the proposed form of the contract and the plans and specifications; and he agrees if this proposal is accepted, that he will contract with the District, in the form of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract in the manner and time prescribed and according to the requirements of the Engineer; that he will provide the bonds as required herein at the time he executes the contract; that he will provide proof of insurance as provided herein; that he will begin the work on the project within TEN (10) CALENDAR DAYS after receiving notice from the District to proceed, and diligently prosecute the same to completion within 60 calendar days; and that as provided for in the General Provisions, the liquidated damage shall be in the sum of **TWO HUNDRED FIFTY and no/100 dollars (\$250.00)** per day for each and every calendar day's delay in finishing the work beyond the time described herein, and that he will take in full payment therefore the following unit or lump sum prices, as the case may be, to wit:

BID SCHEDULE

BID ITEM NO.	UNIT	BID ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE	TOTAL ITEM PRICE
1.	Lump Sum	Mobilization/Demobilization at a fixed price of _____ dollars.	\$ <u>37,000</u>	\$ <u>37,000</u>
2.	Lump Sum	Replace Interior Coating at _____ dollars.	\$ <u>296,000</u>	\$ <u>296,000</u>
3.	Lump Sum	Overcoat Painting and Spot Clean-up of Exterior Coating at _____ dollars.	\$ <u>38,000</u>	\$ <u>38,000</u>
4.	Lump Sum	Tank Disinfection and Testing at _____ dollars.	\$ <u>4,000</u>	\$ <u>4,000</u>
Total Project Bid In Words: <u>THREE HUNDRED SEVENTY FIVE THOUSAND DOLLARS</u> _____ Dollars.			Total Bid in Figures : \$ <u>375,000.00</u>	



Signature of Bidder

BLASTCO INC

Company

BIDDER MUST SIGN THIS PAGE

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **ACTION**

ITEM: E.5 **Approve Budget Modification for McKinleyville Teen and Community Center Kitchen Equipment**

PRESENTED BY: **Gregory Orsini, General Manager**

TYPE OF ACTION: **Roll Call Vote**

Recommendation:

Staff recommends that the Board review the information provided, discuss, take public comment and

- Approve the proposed Budget Modification for the McKinleyville Teen and Community Center kitchen equipment for \$110,000, which includes \$40,000 from donations and \$70,000 from Reserves
- Authorize the General Manager to procure kitchen equipment for the McKinleyville Teen and Community Center Kitchen

Discussion:

Proposals were received for the kitchen equipment for the McKinleyville Teen and Community Center. The installation and purchase of the equipment was separated from the original construction contract to avoid paying the General Contractors 10% mark-up and paying prevailing wages for installation. District staff will be able to install the equipment resulting in a cost savings for the project.

Donations were contributed towards the kitchen appliances totaling \$40,000. A total of \$70,000 will be utilized from reserves.

Castino Restaurant Equipment and Supply was determined to be the most responsive bidder at \$110,000.

This cost also includes the vent hood the and blowers.

Alternatives:

Staff analysis consists of the following potential alternative

- Take No Action

Fiscal Analysis:

The cost of the Castino bid is \$110,000. Of that total, \$70,000 will be used from reserves and \$40,000 from donations that have already been received for this purpose.

Environmental Requirements:

Not applicable

Exhibits/Attachments:

- Attachment 1 – Castino Restaurant Equipment and Supply Proposal



Quotation


09/01/2016





50 Utility Court, Rohnert Park, CA 94928
 Phone (707) 585-3566 Fax (707) 585-7306
www.CastinoSolutions.com

To: Mckinleyville Community Services District Greg Orsini Mckinleyville, CA 707-839-3251	Project: McKinleyville Teen Center Div 11400 Foodservice Equipment McKinleyville, CA	From: Castino Restaurant Equipment & Supply - No. Ca. David G. Castino 50 Utility Court Rohnert Park, CA 94928 7075853566 229 7075853566 229 (Contact)
--	--	--

Job #: 910219


Thank you for the opportunity to provide a quotation for your project. We at Castino's specialize in creating a partnership to bring knowledge, design, supplies, furnishings, and equipment for your continued success. We look forward to being of service.





Item	Qty	Description	Sell	Sell Total
1	1 ea	CONVECTION OVEN  Blodgett Oven Model No. BDO-100G-ES SNGL Convection Oven, gas, single deck, standard depth, capacity (5) 18" x 26" pans, stainless steel doors, dual pane thermal glass windows, (5) stainless steel racks and (11) rack positions, chrome plated door handle, manual controls, cooling fan, porcelain cavity, lights, full angle iron frame, stainless steel construction, 25" stainless steel legs, 45,000 BTU, 3/4 hp blower, cETL, NSF ENERGY STAR	\$2,995.00	\$2,995.00
	1 ea	2 year parts and 1 year labor warranty, standard		<Included>
	1 ea	Natural gas		<Included>
	1 ea	115v/60/1-ph, 8.0 amps, cord & plug, 3/4 hp, 2-wire with ground, standard		<Included>
	1 ea	To be installed under a class I exhaust hood		<See Above>
	1 st	25" legs, adjustable, stainless steel (set), standard		<Included>
	1 ea	6" casters	\$226.95	\$226.95
	1 ea	Dormont 1675KIT48 Dormont Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, 1 SnapFast® QD, 1 full port valve (2) 90° elbows, coiled restraining cable with hardware, 180,000 BTU/hr minimum flow capacity, limited lifetime warranty	\$152.49	\$152.49
ITEM TOTAL:				\$3,374.44
1.1	1 ea	PG&E REBATE BDO-100G-ES Pacific Gas and Electric Company Model No. PG&E REBATE (F241) PG&E Rebate Program. This unit qualifies for PG& E \$ _500_____ Rebate, payable directly to customer from PG&E or can be applied by Castino at time of purchase with customer signature on PG&E rebate form and	-\$500.00	-\$500.00

Item	Qty	Description	Sell	Sell Total
		current copy of actual customer PG&E bill. Castino representative shall provide documents for rebate. **NON TAXABLE**		
2	1 ea	HD RANGE, 72", 6 BURNERS, 36" GRIDDLE American Range Model No. AR36G-6B Heavy Duty Restaurant Range, gas, 72", (6) 32,000 BTU open burners, (1) 36" griddle, 5/8" thick plate, manual controls, (2) 26-1/2" ovens with one rack each, stainless steel front, sides & high shelf, 6" chrome plated legs, 52.0 kW, 322,000 BTU, ETL	\$4,793.13	\$4,793.13
				
	1 ea	Standard one year limited warranty on parts & labor		<Included>
	1 ea	Natural Gas		<Included>
	1 ea	(2) 26-1/2" std. ovens, standard		<Included>
	1 st	A35103 Casters, set of 6 (3 locking)	\$375.56	\$375.56
	1 ea	Dormont 1675KIT48 Dormont Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, 1 SnapFast® QD, 1 full port valve (2) 90° elbows, coiled restraining cable with hardware, 180,000 BTU/hr minimum flow capacity, limited lifetime warranty	\$152.49	\$152.49
ITEM TOTAL:				\$5,321.18
3	1 ea	FRYER Pitco Frialator Model No. VF-35S Solstice Standard Fryer, gas, tube fired stand alone model, 35 lb. oil capacity, millivolt control, stainless steel tank, front & sides, 70,000 BTU, ENERGY STAR®		<Deleted>
				
	1 ea	Gas to be determined		<Deleted>
	1 ea	P6072145 Basket, (2) oblong/twin size, 13-1/2" x 6-1/2" x 5-1/2" deep, long handle, regular mesh (shipped std (n/c) with models "T" SG14, SG14R, SSH55, E14, E14X, E14B, SG14T, 35+, 45+, fryer batteries shipped with (1) per fryer		<Deleted>
	1 ea	B3901504 Casters, 9" adjustable swivel (set of 4) non-lock rear & lock front casters, solstice supree, SG, SE, VF35 and flat bottom fryers, pasta cookers, rethermalizers, BNB		<Deleted>
	1 ea	Dormont 1675KIT48 Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, 1 SnapFast® QD, 1 full port valve, (2) 90° elbows, coiled restraining cable with hardware, 180,000 BTU/hr minimum flow capacity, limited lifetime warranty		<Deleted>
4	1 ea	FRENCH FRY WARMER Nemco Model No. 6000A-2 Heat Lamp, freestanding, infrared, two bulb, 120v/60/1ph, 500 watts, white 250 watt infrared bulbs standard, red 250 watt infrared bulb and white shatter-resistant 250 watt bulb also available, UL listed, NSF		<Deleted>
				
5	1 ea	WORK TABLE Custom Stainless Fabrication Model No. FT-3015-X Lite™ Series Equipment Filler Table, S/S legs & undershelf, 1-1/2" turn up in rear, 15" x 30".	\$297.00	\$297.00
				






Item	Qty	Description	Sell	Sell Total
6	1 ea	EXHAUST HOOD Accurex, LLC Model No. UL LISTED, NFPA 96 Exhaust Hood, wall type, Class I, ___" L, ___" D including 3" rear stand off, non compensating, 24" H, type 430 stainless steel exposed surfaces, stainless steel baffle filters, grease cup, ___ each vapor proof light fixtures, NFPA, UL and NSF approved	\$3,814.80	\$3,814.80
	1 ea	SP Supply Plenum, ceiling mounted on front of hood, full length of hood, with perforated bottom air return, supplied with duct collar(s) and fire damper(s) as required, stainless steel, UL Listed, NSF approved		<Included>
	1 ea	FIRE CAB HOOD Fire Suppression System Cabinet Only, mounted on ___ end of hood (add's 12" to hood length), with removable access panel doors on end. (fire suppression system not included in price)		<Included>
	1 ea	*HOOD SEISMIC BRKT Hanging brackets, for seismic install and hood prep for installation of prefabricated U.L. listed exhaust hood	\$1,100.00	\$1,100.00
	1 ea	*HOOD HOOD ENCLOSURE Hood enclosure, from top of hood to 10'-0" ceiling, on front, left and right ends, 18 gauge type 304 stainless steel	\$390.50	\$390.50
ITEM TOTAL:				\$5,305.30
6.1-6.2	1 ea	EXHAUST FAN AND MAKE UP AIR PACKAGE Exhaust Hood Mfg. Model No. PKG Exhaust Fan and Make up air fan package per approved mechanical bid set plans, to include the following. **Non Taxable**:	\$38,222.55	\$38,222.55
	1 ea	EF Exhaust Fan, Range Hood, roof-mounted, centrifugal, belt-driven, upward air discharge, aluminum housing, grease type with external grease receptacle, UL listed		<Included>
	1 ea	ED Exhaust Duct, class I, 16 gauge, galvanized, welded, from top of hood to exhaust fan on roof with rain shield and blower transition. NOTE: Job site inspection may require changes to duct as quoted and may require additional costs or extra's. NON SEISMIC hangers.		<Included>
	1 ea	FS Fan, Supply, roof-mounted, tempered air system, painted housing, UL approved, UL Listed		<Included>
	1 ea	Class II, galvanized duct with transitions from make-up air unit on roof to make-up air plenum on exhaust hood and T-Bar ceiling register(s) as required. NON SEISMIC hangers.		<Included>
7	1 ea	FRONT SUPPLY PLENUM Accurex, LLC Model No. FSP Front supply plenum is included with item #6		<Included>
8	1 ea	WALL LINING, NON INSULATED, STAINLESS STEEL Accurex, LLC Model No. WL Wall Lining, flat, non insulated, 20 gauge type 304 stainless steel, batten trim on exposed edges, NSF construction, ___" high, ___" long	\$564.30	\$564.30
9	1 ea	FIRE SUPPRESSION SYSTEM Accurex, LLC Model No. NFPA, UL300 Fire Suppression System, liquid chemical system, mech. control head, wall-mtd tank, standard-plated fittings, black iron pipe, ___" mech. gas valve supplied (installed by plumber). Complete system. System shall meet NFPA and UL300 requirements including all codes and regulations applicable to jurisdiction of area installed. **Non Taxable**	\$4,456.10	\$4,456.10




Item	Qty	Description	Sell	Sell Total
	1 ea	CHROME Upgrade exposed piping to chrome plated piping and fittings. **Non Taxable**		<Included>
	1 ea	CONCEAL Seperate trip to install conduit and manual pull station in walls, concealed, prior to sheet rock. **Non Taxable**		<Included>
	1 ea	NIC NOT IN CONTRACT Shunt trip breakers, for electrically operated equipment, and electric motors/controls on gas equipment below hood, by electrical contractor, not in contract		<NIC>
	1 ea	K-CLASS Fire extinguisher, wall mounted, K-Class, required to complete the hood fire suppression system, per NFPA. **Non Taxable**	\$243.10	\$243.10
	1 ea	PERMIT Permit fee, for hood fire suppression system only. **Non Taxable**		<Included>
ITEM TOTAL:				\$4,699.20
10	1 ea	FIRE EXTINGUISHER Accurex, LLC Model No. K Fire extinguisher is included with item #9		<Included>
11	1 ea	HEATED MOBILE CABINET Cres Cor Model No. 131-UA-11D Cabinet, Mobile Heated, non-insulated with bottom-mount heater, magnetic latch, (11) wire universal slides for 12" x 20" thru 18" x 26" pans, slides on 4-1/2" centers adjustable on 1-1/2", (4) 5" swivel casters (2) braked, aluminum exterior and interior		<Future>
	1 ea	Standard Warranty: 90 day labor with 1 yr parts warranty		<Future>
	1 ea	120v/60/1-ph, 1920 w, 16.0 amp, 6' 12/3 ga. power cord, standard		<Future>
	1 ea	Right-hand door swing, standard		<Future>
12	1 ea	REACH-IN REFRIGERATOR Saturn Equipment Model No. FB72R (5487) Reach-In Refrigerator, three section, self-contained, 81.9" W, 71 cu. ft. capacity, (3) solid self-closing locking hinged doors, (9) adjustable shelves, 33° to 38°F temperature range, digital display/controls, stainless steel exterior, stainless steel interior, bottom mounted, (6) 4" casters (3 locking), R134A refrigerant, 1/3 HP, 115v/60/1-ph, 7.3 amps, cETLus, ETL	\$3,808.00	\$3,808.00
	1 ea	2 Year parts & labor, 5 year compressor warranty, standard		<Included>
13	1 ea	HAND SINK Krowne Metal Model No. HS-2L (1749) Hand Sink, wall mount, 15-3/4"W x 15-1/4"D x 13-3/8"H O.A., 7-3/4"H backsplash, 12-1/2" wide x 9-3/4" front-to-back x 5-5/8" deep bowl, 4" O.C. splash mount gooseneck faucet (low lead compliant), includes mounting bracket, stainless steel construction, NSF	\$114.92	\$114.92
14	2 ea	SOAP DISPENSER, WALL MOUNTED Castino Restaurant Supply Model No. 2985 Soap Dispenser, wall-mounted, surface, white ABS plastic, liquid soap dispenser, 32-ounce, for INTEGRA refillable foaming hand soap (soap not included)	\$25.92	\$51.84
15	2 ea	PAPER TOWEL DISPENSER	\$43.82	\$87.64





Item	Qty	Description	Sell	Sell Total
		San Jamar Model No. T1900XC Packed 5 ea Classic® Paper Towel Dispenser, wall mount, 15-1/4"L x 11-3/4"W x 4-1/4"D, combination multi-fold/C-fold towels, 20 gauge steel, standard key lock, matte chrome finish		
	16-17	SPARE NO.		
18	1 ea	WORK TABLE, ISLAND Custom Stainless Fabrication Model No. WT Work Table, 16 gauge type 304 stainless steel top, square edge top, 36" wide top, no splash, with fixed 18 gauge type 304 s/s undershelf welded to legs, stainless steel tubular legs, s/s adjustable bullet feet, 120" long, 34" working surface, NSF approved	\$1,680.00	\$1,680.00
19	1 ea	OVERSHELF Custom Stainless Fabrication Model No. OTS-15-120 Shelf, table mounted, single deck, 15"W, 120"L, 18 gauge 430 series stainless steel, not adjustable, old style		<Deleted>
	1 ea	Front of table shelf location		<Deleted>
20		SPARE NO.		
21A	1 ea	WORK TABLE Custom Stainless Fabrication Model No. CUSTOM Work Table, 16 gauge type 304 stainless steel top, square edge top, 30" wide top, flat top no splash, with fixed 18 gauge type 304 s/s bottom and intermediate undershelf welded to legs, stainless steel tubular legs, s/s adjustable bullet feet, 78" long, 34" working surface, NSF approved	\$1,440.00	\$1,440.00
21B	1 ea	WORK TABLE Custom Stainless Fabrication Model No. CUSTOM Work Table, 16 gauge type 304 stainless steel top, square edge top, 30" wide top, 6" high splash at rear and right end with 2" return to wall, with fixed 18 gauge type 304 s/s bottom and intermediate undershelf where possible welded to legs, stainless steel tubular legs, s/s adjustable bullet feet, 107" long, 34" working surface, NSF approved	\$2,250.00	\$2,250.00
	2 ea	CUSTOM Glass Rack Slides Section, 16 gauge type 304 stainless steel, 3-sets of angle slides welded to 1-5/8" stainless steel tubular legs, rounded bottom corner edges, 2"x2"x20" long, NSF approved, per section		<Included>
21.1	1 ea	PASS SHELF Custom Stainless Fabrication Model No. CUSTOM Pass Shelf, for pass window opening with roll up door, 16 gauge type 304 stainless steel, approximately 10.5" x 70.5" long plus 3" ends on outside of wall, turn down all sides, notch for wall thickness, with trim angles for mounting and hat channel for support (no plywood sub top), NSF 34" working surface	\$420.00	\$420.00
22	1 ea	COFFEE BREWER		<By Owner>


Item	Qty	Description	Sell	Sell Total
		Grindmaster-Cecilware Model No. B-DAP Precision Brew™ Coffee Brewer for Airpots, fresh brew, automatic, digital controls, dual brewer, 2.2 and 2.5 liter brew capacity, stainless steel construction, NSF, cULus, CE (Grindmaster)		
	1 ea	2 years parts & labor warranty, standard		<By Owner>
	1 ea	120V/240/60/1, 6000W, 25 amps, standard		<By Owner>
23	1 ea	TEA BREWER  Grindmaster-Cecilware Model No. TB3 Iced Tea Brewer with B-1/3T Dispenser, fresh brew, automatic design, 3 gallon capacity, plastic funnel, stainless steel construction, 1/4" water line required, 1.8 kw, 120v/60/1-ph, NEMA 5-15P, cULus, NSF (Cecilware)		<By Owner>
	1 ea	2 years parts & labor warranty, standard		<By Owner>
24		SPARE NO.		
25	1 ea	WORK TABLE Custom Stainless Fabrication Model No. CUSTOM Work Table, 16 gauge type 304 stainless steel top, square edge top, 30" wide top, 6" high splash at rear with 2" return to wall, stainless steel tubular legs with cross bracing front-to-back, s/s adjustable bullet feet, 96" long, 34" working surface, NSF approved	\$1,457.50	\$1,457.50
	1 ea	Marine edge top	\$330.00	\$330.00
	1 ea	CUSTOM Fixed partial undershelf, 18 gauge type 304 stainless steel, approx 36" long		<Included>
	1 ea	NSF1818 Sink Tub, integrally welded into top, seamless, 18" left-to- right, 18" front-to-back, 12" deep, center drain, with 3-1/2" sink hole and lever waste bracket (Lever waste by Castino), NSF approved		<Included>
ITEM TOTAL:				\$1,787.50
26	1 ea	PRE-RINSE FAUCET ASSEMBLY  T&S Brass Model No. B-0133-BC EasyInstall Pre-Rinse Unit, spring action, wall mount, 8" centers, wall bracket, low flow valve, (B-0107-C)	\$281.95	\$281.95
	1 ea	B-0155 Add-on Faucet, for Pre-Rinse Units, 6" nozzle, includes 3" nipple	\$66.79	\$66.79
ITEM TOTAL:				\$348.74
27	1 ea	LEVER WASTE  T&S Brass Model No. B-3952 Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet (replaces B-3913, B-3917)	\$48.58	\$48.58
28	1 ea	OVERSHELF, WALL-MOUNTED Custom Stainless Fabrication Model No. WS Overshelf, Wall-Mounted, 16 gauge 304 stainless steel, 12" wide, 18" long, square edge with turned up rear and turned down ends, 16 gauge s/s wall brackets (brackets shipped loose to mount at wall studs), NSF approved	\$93.50	\$93.50


Item	Qty	Description	Sell	Sell Total
28.1	1 ea	OVERSHELF, WALL-MOUNTED Custom Stainless Fabrication Model No. WS Overshelf, Wall-Mounted, 16 gauge 304 stainless steel, 12" wide, 36" long, square edge with turned up rear and turned down ends, 16 gauge s/s wall brackets (brackets shipped loose to mount at wall studs), NSF approved	\$93.50	\$93.50
29	3 ea	GARBAGE CAN Rubbermaid Model No. FG263256GRAY Packed 6 ea BRUTE® Food Processing Container, without lid, 32 gallon, 22"D x 27-1/4"H, with "Inedible" black imprint, reinforced rims, built in handles, double rimmed base, high-impact plastic construction, gray		<By Owner>
	3 ea	FG264000BLA BRUTE® Dolly, 18-1/4"D x 6-5/8"H, heavy duty 3" casters, 250 lb. capacity, black		<By Owner>
30	1 ea	RACK SHELF, WALL MOUNTED Custom Stainless Fabrication Model No. SRS Rack Shelf, Wall Mounted, Slanted, 21" wide, 42" long, 16 gauge type 304 stainless steel, 2" lip on all sides with angle to match wall, 16 gauge stainless steel wall brackets, NSF approved	\$302.50	\$302.50
31	1 ea	AIR CURTAIN Mars Air Systems Model No. STD260-1UA-OB Standard Series 2 Air Curtain, for 60" wide door, Unheated, 115v/60/1-ph, Obsidian Black powder coated cabinet (Standard Production Color)	\$635.25	\$635.25
	1 ea	5 year warranty, standard		<Included>
	1 ea	99-014 Steel Mechanical Universal Surface-mounted Plunger/Roller Switch	\$69.30	\$69.30
ITEM TOTAL:				\$704.55
32	1 ea	Custom Stainless Fabrication Model No. WS Overshelf, Wall-Mounted, 16 gauge 304 stainless steel, 12" wide, 24" long, square edge with turned up rear and turned down ends, 16 gauge s/s wall brackets (brackets shipped loose to mount at wall studs), NSF approved	\$93.50	\$93.50
33	1 ea	CLEAN DISHTABLE Custom Stainless Fabrication Model No. CUSTOM Dishtable, Clean, 16 gauge type 304 stainless steel, 8" high rear splash with 1" turn up and 2" return to wall on back and left end, rolled rim on front, non-pitched drainboard, stainless steel tubular legs with cross bracing front to back, s/s adjustable bullet feet, NSF approved, 26" wide and transitions to 30" wide, 108" long	\$3,600.00	\$3,600.00
	3 ea	NSF1823 Sink Tub, integrally welded into top, seamless, 18" left-to-right, 23" front-to-back, 12" deep, center drain, with 3-1/2" sink hole, lever waste bracket (lever waste by Castino), NSF approved		<Included>
34	1 ea	PRE-RINSE FAUCET ASSEMBLY	\$281.95	\$281.95

Item	Qty	Description	Sell	Sell Total
		T&S Brass Model No. B-0133-BC EasyInstall Pre-Rinse Unit, spring action, wall mount, 8" centers, wall bracket, low flow valve, (B-0107-C)		
	1 ea	B-0156 Add-on Faucet, for Pre-Rinse Units, 12" nozzle, includes 3" nipple	\$71.28	\$71.28
ITEM TOTAL:				\$353.23
35	3 ea	LEVER WASTE T&S Brass Model No. B-3952 Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet (replaces B-3913, B-3917)	\$48.58	\$145.74
				
36	1 ea	WALL / SPLASH MOUNT FAUCET T&S Brass Model No. B-0231 Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles	\$115.63	\$115.63
				
37	1 ea	SHELVING, WALL-MOUNTED Focus Foodservice Model No. FWS1436G Direct Wall Mount Kit, includes (2) each 14" (35.5 cm) single wall brackets and (1) each 14" x 36" (35.5 cm x 91.4 cm) shelf, green epoxy coated	\$37.63	\$37.63
				
38	1 ea	DISHWASHER, DOOR TYPE Jackson WWS, Inc. Model No. CONSERVER XL-E (3130) Conserver® Dishwasher, Door Type, 33-1/8"W x 29-1/2"D x 68-1/2"H, low temperature chemical sanitizing, field convertible corner/straight-thru operation, approximately (39) racks/hour capacity, (3) built-in dispensing pumps, built-in scrap accumulator, removable screen, drain pump, auto-start, stainless steel construction, 3" adjustable stainless steel bullet feet, 1 HP wash pump, NSF, cETLus, ENERGY STAR®	\$2,856.70	\$2,856.70
				
	1 ea	1 year parts & labor warranty, continental USA, standard		<Included>
	1 ea	115V/60/1-ph, 11.4 amps, std.		<Included>
39	1 ea	EXHAUST HOOD Exhaust Hood, UL Listed Model No. VH1-STANDARD Exhaust Hood, wall type, Class II, 42" Long, 42" Deep, non compensating, 24" high, type 304 stainless steel construction, with full perimeter gutter, drain tube, duct collar attached, NSF approved. To include closure panels	\$1,002.10	\$1,002.10
40	1 ea	EXHAUST FAN AND DUCT PACKAGE (VAPOR HOOD) Exhaust Hood Mfg. Model No. CUSTOM Exhaust fan and duct package for vapor hood per approved mechanical plan bid set, as follows:		<Included>
	1 ea	EF CLASS II VH Exhaust Fan, roof-mounted, centrifugal, belt-driven, upward air discharge, aluminum housing, class II, vapor type non		<Included>

Item	Qty	Description	Sell	Sell Total
		grease fan, UL listed		
	1 ea	DUCT CLASS II VH Exhaust Duct, class II, galvanized, 10'-0" of duct, with rain shield and blower transition. NOTE: Job site inspection may require changes to duct as quoted and may require additional costs or extra's. NON SEISMIC hangers.		<Included>
41	1 ea	SOILED DISHTABLE Custom Stainless Fabrication Model No. SDT Dishtable, Soiled, 16 gauge type 304 stainless steel, 8" splash at rear with 1" turn up with 2" return to wall, non-pitched drainboard, rolled rim on front and end, stainless steel tubular legs with cross bracing front to back, s/s adjustable bullet feet, 30" wide, 54" long, NSF approved	\$1,540.00	\$1,540.00
	1 ea	PRS2020 Pre-rinse sink, 20"x20"x5" deep, center drain with 3-1/2" basket waste, integrally welded into top. Includes removable scrap basket w/rack slides, 16 gauge type 304 stainless steel with perforated bottom. NSF approved		<Included>
42	1 ea	PRE-RINSE FAUCET ASSEMBLY T&S Brass Model No. B-0133-BC EasyInstall Pre-Rinse Unit, spring action, wall mount, 8" centers, wall bracket, low flow valve, (B-0107-C)	\$281.95	\$281.95
				
43	1 ea	WALK-IN FREEZER Existing Model No. EXISTING Walk-in Freezer, existing, not in contract		<Existing>
44	8 ea	WIRE SHELVING Focus Foodservice Model No. FF1860G Packed 2 ea Shelf, Wire, 18"W x 60"L, green epoxy coated finish	\$32.85	\$262.80
				
	8 ea	FG074G Post, 74"H, stationary, green epoxy coated with SaniGard™	\$8.84	\$70.72
ITEM TOTAL:				\$333.52
45	1 ea	WALK-IN COOLER Existing Model No. EXISTING Walk-in Cooler, existing, not in contract		<Existing>
46	8 ea	WIRE SHELVING Focus Foodservice Model No. FF1848G Packed 4 ea Shelf, Wire, 18"W x 48"L, green epoxy coated finish	\$27.68	\$221.44
				
	8 ea	FF1836G Shelf, Wire, 18"W x 36"L, green epoxy coated finish	\$23.14	\$185.12
	4 ea	FF2424G Shelf, Wire, 24"W x 24"L, green epoxy coated finish	\$27.40	\$109.60
	20 ea	FG074G Post, 74"H, stationary, green epoxy coated with SaniGard™	\$8.84	\$176.80
ITEM TOTAL:				\$692.96
47	15 ea	WIRE SHELVING	\$25.05	\$375.75

Item	Qty	Description	Sell	Sell Total
		Focus Foodservice Model No. FF1860C Packed 2 ea Shelf, Wire, 18"W x 60"L, chromate finish		
	10 ea	FF1848C Shelf, Wire, 18"W x 48"L, chromate finish	\$21.07	\$210.70
	20 ea	FG086C Post, 86"H, stationary, chromate finish	\$9.42	\$188.40
ITEM TOTAL:				\$774.85
48	1 ea	ICE CUBER Manitowoc Model No. IY-0324A (5125) Indigo™ Series Ice Maker, cube-style, air-cooled, self-contained condenser, 22"W x 24-1/2"D x 21-1/2"H, up to 350-lb approximately/24 hours, DuraTech™ exterior (stainless finish with innovative clear-coat resists fingerprints & dirt), half-dice size cubes	\$2,369.05	\$2,369.05
	1 ea	3 year parts & labor Commercial warranty		<Included>
	1 ea	5 year parts & labor Commercial warranty on evaporator		<Included>
	1 ea	5- year parts & 3 year labor Commercial warranty on compressor		<Included>
	1 ea	(-161) 115v/60/1ph, 11.5 amps		<Included>
48.1	1 ea	WATER FILTRATION SYSTEM 3M Purification Model No. ICE120-S Packed 6 ea 3M™ Valve-In-Head Water Filter System with Gauge, 17"H x 4.5"D, standard water, single vessel, 3/8"FNPT, 1/4-turn shut off valve, max pressure of 125 psi at 100°F, for sediment, chlorine taste & odor, cyst, scale, 0.5 micron rating, 1.5 gpm flow rate, 9,000 gallon capacity, for ice machines (cubers up to 750lbs, flakers up to 1200lbs), integral mounting bracket and single o-ring seal cartridge filter included, NSF (for Cubed Ice makers, Manitowoc I 0302, 0303, 0304, 0305, 0322, 0323, 0324, 0325, 0452, 0453, 0454, 0455, 0502, 0503, 0504, 0505, 0522, 0523, 0523, 0524, 0525, 0594, 0592, 0606, 0696, Scotsman C 0322, 0330, 0522, 0530, 0630, Hoshizaki IM500, KM 250, 320, 351, 410, 450, 451, 515, 600, 631, 650, Ice-O-Matic ICE 0250, 0305, 0320, 0400, 0406, 0500, 0506, 0520, 0525, 0605, 0606, Koolaire K0250, 0350, 0420, 0500, 0600)	\$186.65	\$186.65
				
49	1 ea	ICE BIN FOR ICE MACHINES Manitowoc Model No. B-420 (5123) Ice Bin, 22"W, 34"D, 50"H, with top-hinged front-opening door, approximately 310 lb ice storage capacity, for top-mounted ice maker, stainless steel exterior	\$857.74	\$857.74
	1 ea	3 year parts & labor Commercial warranty		<Included>
	1 st	K-00145 Legs, 6", with adjustable secured flanged foot, stainless steel	\$150.95	\$150.95
				
ITEM TOTAL:				\$1,008.69
51	1 ea	MOP SINK Advance Tabco Model No. 9-OP-20-X Mop Sink, floor mounted, 25"W x 21"D x 10"H (overall), 20"W x 16" front-to-back x 6" deep (bowl size), free flow drain with 2" IPS outlet, stainless steel construction	\$465.30	\$465.30
				
52	1 ea	SERVICE FAUCET	\$105.86	\$105.86

Item	Qty	Description	Sell	Sell Total
		T&S Brass Model No. B-0665-BSTR Service Sink Faucet, 8" centers, 2-3/8" clearance from wall to center of faucet, 8-7/8" from wall to center of outlet, rough chrome plated finish, vacuum breaker nozzle with 3/4" garden hose thread & pail hook, built in screwdriver stops		
53	1 ea	OVERSHELF, WALL-MOUNTED Custom Stainless Fabrication Model No. WS Overshelf, Wall-Mounted, 16 gauge 304 stainless steel, 8" wide, 24" long, square edge with turned up rear and turned down ends, 16 gauge s/s wall brackets (brackets shipped loose to mount at wall studs), NSF approved	\$61.60	\$61.60
54		SPARE NO.		
55	1 ea	PLANETARY MIXER Globe Model No. SP20 (18300) Planetary Mixer, bench model, 20-qt. 304 stainless steel bowl, #12 attachment hub, (3) fixed speeds, digital controls with 60-minute timer & batch recall, permanently lubricated gear-driven transmission, removable & interlocking stainless steel bowl guard with built-in ingredient chute, bowl lift, thermal overload protection, cast iron body, enamel gray paint, non-slip rubber feet, includes: stainless steel wire whip, aluminum spiral dough hook & flat beater, 1/2 HP, 115v/60/1-ph, 6.0 amps, 6 ft cord with NEMA 5-15P, cETLus, NSF		<Deleted>
	1 ea	2 year parts (excludes wear/expendable parts), 1 year labor warranty (contact factory for details)		<Deleted>
56	1 ea	EQUIPMENT STAND Custom Stainless Fabrication Model No. SAG-MT-242 Equipment Stand with adjustable undershelf, 24" x 24", 24" high, stainless top, legs, & undershelf		<Deleted>
	1 st	TA-25 Casters, 5", swivel, with rubber wheels (set of 4) (2 with brakes)		<Deleted>
57	1 ea	POP-UP TOASTER Hatco Model No. TPT-120 Pop-Up Toaster, (4) 1-1/4" wide self centering slots, individual progressive color controls, removable crumb tray, stainless steel construction		<Deleted>
	1 ea	NOTE: Sale of this product must comply with Hatco's Minimum Resale Price Policy; consult order acknowledgement for details		<Deleted>
	1 ea	NOTE: Includes 24/7 parts & service assistance, call 800-558-0607		<Deleted>
	1 ea	One year replacement warranty, contact Hatco service team for details		<Deleted>
	1 ea	120v/60/1-ph, 1800w, 15.0 amps, 6' cord with NEMA 5-15P		<Deleted>
58	2 ea	LOCKER Win-Holt Equipment Group Model No. WL-21 Locker, Double Tier, 1 column, 2 lockers per column, 12" x 12" x 36" compartment, doors are mesh grid vented		<Deleted>
59	1 ea	FOOD SLICER		<Deleted>

Item	Qty	Description	Sell	Sell Total
		Globe Model No. 3600N (13961) Globe Premium Slicer, 13" dia. steel alloy knife blade, manual, gear-driven knife system, start/stop touchpad controls, 2° angled drip groove on slicer table, 2° angled drip groove on slicer table, knife ring guard with removable deflector, knife cover interlock, & dual gear slice-thickness adjustment, 45° carriage angle, 12" food chute carriage, stainless steel construction, 1/2HP, 115v/60/1-ph, 7.0amps, NEMA 5-15P, cETLus, NSF/ANSI 8-2010 (made in the USA)		
	1 ea	1 year labor warranty from date of original installation (not to exceed 18 months from factory shipment)		<Deleted>
	1 ea	2 year parts warranty (excludes wear/expendable parts)		<Deleted>
	1 ea	15 year drive gears warranty (see Warranty sheet for complete details)		<Deleted>
60		SPARE NO.		
61	1 ea	NOT IN CONTRACT Model No. NICWH Water Heater, by PC, not in contractor		<NIC>
62	1 ea	GREASE TRAP NOT IN CONTRACT Model No. NIC Grease trap is by others		<NIC>
DELIV1	1 ea	DELIVERY AND STAGING Castino Restaurant Supply Model No. DELIVERY Delivery and staging, stage all equipment in Castino's warehouse. Upon proper notification, deliver all equipment to job site, crated. Owner or a representative shall be on site to receive and sign all delivery documents. **Taxable**	\$1,584.00	\$1,584.00
INSTA L1	1	INSTALLATION Castino Restaurant Supply Model No. LABOR Installation Labor, uncrate, assemble, set-in place, level, secure to floor and walls as required Foodservice Equipment. Silicone seal as necessary. Remove all packing materials from job site and dispose of. NON SEISMIC. **Non Taxable**	\$6,480.00	\$6,480.00
	1	*HOOD LABOR SEISMIC Installation of class I exhaust hood system, to include hanging hood, hood enclosure, wall lining, exhaust duct and fan package, make up air and duct package. SEISMIC. **Non Taxable**		<Included>
	1	*HOOD LABOR SEISMIC Installation of class II vapor exhaust hood system, to include hanging hood, hood enclosure and exhaust duct and fan package. SEISMIC. **Non Taxable**		<Included>
	1	LABOR Installation of custom stainless steel fabricated items, to include counters, work tables, counter tops, dish tables, and wall shelves. Anchor all custom fabricated stainless steel items NON SEISMIC. **Non Taxable**	\$6,480.00	\$6,480.00
	1	NIC NOT IN CONTRACT All roof work, carpentry work, etc., including 1-hour rated exhaust duct shafts, exhaust and make-up air roof curbs and sealing of curbs, by G.C., not in contract		<NIC>
	1	NIC NOT IN CONTRACT Beer system, wine system, and installation of system by others, not in contract		<NIC>
	1	NIC NOT IN CONTRACT Phone lines, P.O.S. lines, beverage lines, and		<NIC>

Item	Qty	Description	Sell	Sell Total
		conduits for same are by G.C., not in contract		
	1	NIC NOT IN CONTRACT Conduits for refrigeration lines below slab, in slab, in walls, ceilings, etc. are by G.C., if required, not in contract		<NIC>
	1	NIC NOT IN CONTRACT Core drilling Castino's refrigeration lines in concrete floors, and walls are to be done by others. Sealing of holes after installation of lines to be done by others, not in contract		<NIC>
	1	NIC NOT IN CONTRACT Installation of all stone/millwork/ counter tops on job site, including all site preparations, delivery, shop drawings, and labor required to complete the top installations by others, not in contract		<NIC>
	1	NIC NOT IN CONTRACT Ground level and roof level curbs by G.C., not in contract		<NIC>
	1	NIC NOT IN CONTRACT Roof jacks, wall jacks, installation, and sealing of jacks by G.C., not in contract. Castino shall provide on site location of jacks where required for Castino supplied equipment		<NIC>
	1	NIC NOT IN CONTRACT All plumbing work, drain lines, water lines, re circulating lines, by P.C., not in contract. Plumbing fixtures provided by Castino are to be mounted, and installed by P.C., not in contract. Any components required for installation not provided for by Castino shall be provided and installed by P.C., including valves, drain manifolds, and regulators, not in contract.		<NIC>
	1	NIC NOT IN CONTRACT Electrical conduits, receptacles, cords, plugs, wiring, interconnected wiring from fixture to fixture, electrical panel(s), circuits, all connections to equipment provided by Castino including any switches, controls, magnetic starters that are not part of equipment provided by Castino, and all electrical work shall be provided and installed by E.C., not in contract		<NIC>
ITEM TOTAL:				\$12,960.00
SUPER	1	JOB SITE SUPERVISION	\$900.00	\$900.00
		Castino Restaurant Supply Model No. LABOR		
		Job Site Supervision, check job site progress to include the following:		
	1	LABOR Site field measuring of existing conditions. **Non Taxable**	\$900.00	\$900.00
	1	Check all rough framing to insure proper wall placement		<Included>
	1	Check all plumbing rough-in's prior to closing walls for proper placement		<Included>
	1	Check all electrical rough-in's prior to closing walls for proper placement		<Included>
	1	Check all final finished wall dimensions prior to ordering equipment for proper fit of all equipment		<Included>
	1	Coordinate with plumbing and electrical contractor for final plumbing connections		<Included>
ITEM TOTAL:				\$1,800.00
WB	1	WALL BACKING		<NIC>
		NOT IN CONTRACT Model No. NOT IN CONTRACT		
		Wall Backing, 2x4 minimum wood studs installed where shown on Castino's plan(s). For anchoring food service equipment where metal studs are located to walls. Wood backing and installation of wood backing by others, not in contract		

Merchandise	\$102,884.20
Freight	\$965.49
Tax 7.5%	\$6,329.29
Total	\$110,178.98

California State Contractors License #686402

Terms:-----

Note:-----

Prices are firm for acceptance for 30 days.

Submitted by: Accepted by:

X _____ X _____
 "David G." Castino, President
 Castino Restaurant Equipment
 and Supply, Inc. Title: _____

Date: _____ Date: _____

Acceptance: _____ Date: _____

Printed Name: _____

Project Grand Total: \$110,178.98

McKinleyville Community Services District

BOARD OF DIRECTORS

Sept 7, 2016

TYPE OF ITEM: **INFORMATION**

ITEM: F.2.A **Support Services - August 2016 Report**

PRESENTED BY: **Colleen M. R. Trask, Finance Director**

TYPE OF ACTION: **None**

FINANCIAL, AUDIT, & BUDGET INFORMATION

The District has deposited \$668,683.89 to date into the Trust Account for reserves recovery as of August 31, 2016. This represents 61.5% of the \$1,087,684.00 total reserve that need to be recovered. The payments that were suspended for accurate year-end balances have been paid and are included in this total.

The District has \$181,451.13 to date in the Trust Account for the next Biosolids Disposal project. Suspended payments for this account will be brought current over the next two months.

CalPERS' invoice for the current year's amortized portion of the District's unfunded pension liability was received and paid in full in July 2016.

Audit Update: The on-site portion of the audit has been completed. Fixed asset journal entries are being finalized by Scott Gordon of Jackson & Eklund. The GASB 45 journal entries for OPEB liability have been prepared. CalPERS' GASB 68 journal entries have been calculated and completed by Larry Wood of Jackson & Eklund.

Treasurer's Report Highlights: Water Fund capacity fees collected during July total \$12,909. (p.4) Wastewater Fund capacity fees total \$19,904. Neither Capital Contributions nor Capacity fees will be included in the income vs. expenses graphs of the Treasurer's Report.

Several lines of the Activity Summary show greater than a 10% variation in July. This is largely due to seasonality, and is indicated on the report with the notation "Budget is spread evenly across 12 month, but actuals vary by month."

Actual and Target reserve balances for the end of Fiscal Year 2015-16 will be calculated when the final June 2016 financials are closed. The new graph will be available on next month's Treasurer's Report.

OTHER UPDATES

The third disbursement request to the State Revolving Fund loan for construction costs related to the new Wastewater Management Facility has been approved and will be sent to the State Controller's Office for payment. On the Debt page of the Treasurer's Report, the loan principal amounts will be accumulated until the SRF provides a final loan amount after construction is finished in FY2017-18.

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **INFORMATION**

ITEM: F.2.B **Operations Department – July 2016 Report**

PRESENTED BY: **James Henry, Operations Director**

TYPE OF ACTION: **None**

Water Department:

Water Statistics:

The district pumped 47.9 million gallons of water in July.
Two water quality complaints were investigated and rectified.
Daily, weekly and monthly inspections of all water facilities were conducted.
Five new water services were installed.

Double Check Valve Testing:

Annual routine testing was conducted in Route 14 along with a minimal number of retests. Customers with failed DCV's were notified to make repairs and call the office to schedule a retest. The semi-annual well cap inspections were completed.

Average and Maximum Water Usage:

The maximum water usage day was 2.0 million gallons and the average usage per day was 1.5 million gallons.

Water Distribution Maintenance:

Weekly Bacteria Samples were collected on Schedules 1, 4, 5 and 6 which represent different locations in the water system. The schedules are made up of a sample taken in each pressure zone. Three water service leaks were repaired due to bad crimps in the pipe from when other utilities were installed along with corroded fittings. One angle-stop was replaced due to leaking by when turned off. Hydrants were exercised, inspected and documented in the log book. Any discrepancies were flagged to generate work orders for repairs. The annual hydrant inspections are completed. Phase 3 of the meter replacement program is in process. Due to a minimal response to the seasonal positions, the replacement program is off to a slow start. Other options are being looked at for getting personnel to replace meters. Two water services were lowered and shortened on McKinleyville Avenue for the road widening project. A water service was extended on Central Ave. due to the new handicap approach being installed by County.

Water Station Maintenance:

String trimming and hedge trimming was completed at the Norton Tank site. Mowing, string trimming and station cleaning was conducted at the Blake Station. The semi-annual amp and meg checks were completed on all water station motors. This is done to verify motors are running efficiently and to prevent damage to motors.

As of July 2014, the District is required to submit a Public Water Monthly Monitoring Report to compare water usage to last year's usage in the same month. I will keep the Board updated each month using the Table below.

Water Usage Comparison in Million Gallons

	2013	2015	% Reduction	2015 Recycled	R- GPCD
April	39.755	33.238	16	0	52
May	49.407	38.200	23	15.1	57
June	51.337	41.847	19	15.6	64
July	54.757	44.946	18	11.7	69
August	55.908	41.747	25	16.1	61
September	45.702	41.670	9	15.7	69
October	39.439	37.320	6	12.3	59
November	34.879	28.939	17	9.6	52
December	35.203	29.937	15	5.2	50
	2013	2016	% Reduction	2016 Recycled	R- GPCD
January	38.241	33.054	14	0	49
February	33.751	31.319	9	0	51
March	36.244	33.761	7	0	49
April	39.755	34.892	13	0	51
May	49.407	36.635	26	11.3	53
June	51.337	44.589	14	22	61
July	54.757	47.992	13	14.7	61

*Recycled water is reclaimed water that is used for irrigating crops.

New Construction Inspections:

Central Estates Phase 2D; Site grading and cutting in roads are in process. Underground work including water and sewer installation should start next month. McKinleyville BMW Expansion; A 4" fire service was tapped and installed. Five existing sewer laterals were capped back at the property line and inspected with the push camera. DCV and sampling still remains on the check list. Fire Department Remodel; 4" Hot tap was installed for the fire service. Grocery Outlet; Plan check occurred and staff is waiting for designer to respond to recommendations.

Sewer Department:**Waste Water Statistics:**

24 million gallons of wastewater were collected and pumped to the W.W.M.F. 22.6 million gallons of wastewater were treated and discharged to land disposal or reclamation in July.

Daily, weekly and monthly inspections of all sewer facilities were conducted.

Sewer Station Maintenance:

Letz station pump 3 was ragged up causing the pump to log longer hours. Staff opened up pump, removed rags and put the pump back into service. Station cleaning was conducted at Letz during the repairs. Wet wells were washed at the B Street and Fischer sewer lift stations. During the Fischer wet well wash, the grit pit was washed along with wiping down the hand rails and fixtures. The water seal valves on the Fischer pumps were replaced due to leaking. Mowing was completed at the B Street station. The annual hoist inspections were completed by a certified inspector at the Fischer Station.

Sewer Collection System:

Grease traps were inspected at required facilities. Customers that are out of compliance were notified to have their traps pumped and possibly shorten their pumping schedule. Three new sewer services were installed as per customer's request.

Wastewater Management Facility:

The Chlorine Contact Basin was drained and cleaned with fire hoses. Pennywart was removed from Pond 4. Pennywart removal is ongoing maintenance to prevent it from taking over and covering the ponds. The annual hoist inspection for the CL2 and SO2 hoist was completed by a certified inspector.

Daily Irrigation and Observation of Reclamation Sites:

Weekly well monitoring was conducted along with the Fischer Ranch tree farm as part of the tree farm pilot study. The tree farm pilot study required staff to build a fence around a 3 acre parcel, auger 700 holes and plant trees into 3 different one acre plots. The trees are being irrigated weekly using reclaimed wastewater. An irrigation plan is still pending. Wells will be used to monitor the uptake of each tree species.

Street Light Department:

No streetlight complaints were reported in July.

Promote Staff Training and Advancement:

Weekly tailgate meetings and training associated with job requirements. Blake Stewart passed his class B driving test. Wyatt received First Aid and CPR training.

Special Notes:

An alternator was replaced in Unit 4.

Repairs were made to the camera van generator.

A coolant leak was repaired on the John Deere tractor.

Tractors, Dump Truck and Vac-con were greased and lubed to prevent wear.

Monthly river samples were completed.

Monthly Self Monitoring Reports (DMR/SMR) were submitted.

Public Water Monthly Monitoring report was submitted.

Monthly Water Quality report was sent to the Dept. of Health.

Monthly Pesticide applicator report was submitted to Department of Agriculture.

Daily inspections were conducted on the Teen Center construction project.

Quarterly well samples were collected and sent to the lab.

Held pre-bid meeting and bid opening for the Cochran tank recoating project.

IPM group held a couple meetings to work on the Matrix.

Meeting held with Hiller Sports Site users to discuss fee increases and issues.

Meeting with Furtado and County regarding Central Estates OSMZ.

WWMF upgrade status:

The Clarifier concrete base and walls have been poured. The clarifier mechanical hardware is being painted at an offsite location. Electrical conduits have been installed to the lab and the concrete is being poured around them to prepare for the headworks and Maintenance building. The pond fill has started off slow due to wet spots not drying out but has progressed. The north side of the Pond A (the biosolids area) has been cut to grade, sand added and is being prepped for the liner. The time lapse camera footage is still being collected and will continue through the construction phase. Weekly meetings have been held to discuss progress and scheduling.

Parks:

Several open space zones received mowing, hedging and maintenance as part of the Open Space Maintenance Zone agreements. The Facilities were mowed and cleaned as part of the weekly schedule along with rental events. Table and chairs arrived for the Teen Center and were put together by staff. A seal coat was applied to the floors at the Teen Center prior to opening the doors. The Hiller bathroom and playground structures were pressure washed followed by prepping and painting the bathroom doors. A ladder climb was replaced at the Pierson Park playground due to showing wear and tear during the monthly inspections. Parking lanes, speed bumps and handicap parking spaces are in the process of being refreshed with new paint at the park facilities. Staff worked with the Eagle Scouts to install barn owl boxes and perches around the Hiller Sports site to help aid in gopher reduction. The carpet at the Activity Center was deep cleaned. The Hiller Sports Complex has been mowed weekly.

Teen Center:

ACGC has turned in a request for final payment. The final punchlist was reviewed and it was determined that there were still line items that have yet to be addressed. Some of the items (minor cosmetic in nature) were signed off as completed as the normal wear and tear of everyday use will likely produce similar effects. There are 10 items left on the list to be completed, none of which are major issues.

GIS:**Fiscal Sustainability Plan (FSP)**

Researched FSP requirements and contents

Contacted Angie Noorda from SWRCB regarding project specific or system wide

Drafted first draft FSP

Developed GIS Standard Operating Procedures

GIS directory structure and file content

Open view and print and existing ArcMap Doc

Opening blank ArcMap Doc and adding layers

Selecting features by attribute and location

Edit feature geometry and attributes

Creating basic map layouts and saving your projects

GPS operational use and file transfer procedures

MCSD ArcGIS online account

Reviewed Programs and Plans for Currency, new regulation, or updates

Cal Arp

Best Management Practices for Drinking Water System Discharges

Sanitary Sewer Management Plan

Illness and Injury Prevention Program

Confined Space Entry Program

Hearing Conservation Program

Fire Prevention Plan

Emergency Action Plan

Bloodborne Pathogens Exposure Control Plan

Heat Illness Prevention Plan

Asbestos Safety and Handling Procedures

Hazardous Materials Program

Maps Completed

Camino Way Landscape area

Beau Pre Water Sewer Connections

Grocery Outlet Site Map

Dollar General Site Map

Maps of potential High Rock clearing areas (easements and stations)

Brian Anspach has turned in his resignation and his final day was August 31st. The District will be looking to fill the GIS position by October.

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **INFORMATION**

ITEM: F.2.C Parks & Recreation Director's Report for August 2016

PRESENTED BY: Lesley Frisbee, Recreation Director

TYPE OF ACTION: None

TEEN & COMMUNITY CENTER:

To date, the following funding has been secured for the Teen & Community Center:

Organization	Amount	Purpose
Mad River Rotary-Donation	\$25,000	Commercial Kitchen
Mad River Rotary-Grant (2015)	\$2,000	Commercial Kitchen
Mad River Rotary-Grant (2016)	\$3,000	Music equipment
McKinleyville Area Fund (2014)	\$3,000	Audio-Sound System
McKinleyville Area Fund (2016)	\$2,500	TV's and Blue Ray player
Humboldt Area Foundation	\$10,000	Tables & Chairs for Classrooms
Legacy Path & Giving Tree donations	\$19,700	Unrestricted
Karaoke Night event	\$593	Unrestricted
Pints for Non-Profits (Auction only)	\$337	Unrestricted
TOTAL:	\$66,130	

The landscaping design for the exterior of the facility has been completed. Staff has been working with Miller Farms and Michelle O'Brien Umpqua Bank to plan the implementation of the landscaping project. Umpqua Bank is dedicated to not only giving \$1000 to the project, but also assisting with additional fundraising as well as providing volunteer labor for the actual planting. Miller Farms has agreed to donate top soil and is helping with providing the necessary plants and educating staff on care and maintenance for the plants. The planting portion of the project will take place in October, when it is nearer to the rainy season. Planting at that time will also enable BGCR to get their teen participants involved in the project as they will be running regular program hours every day after school by then.

Boys & Girls Club of the Redwoods began programming on August 22, 2016. BGCR has provided additional furnishings including a foosball table and a couch.

Staff continues to work toward the complete furnishing of the interior of the facility. Staff has connected with Access Humboldt who will provide technical assistance in the setting up of the recording studio and possibly assistance in getting fiber optic cabling installed.

RECREATION ADVISORY COMMITTEE:

The August meeting of the Recreation Advisory Committee was cancelled.

RECREATION UPDATES:

- Kids' Camp Summer Day Camp-averaged 69 youth per day this month; weekly revenues \$6300-\$6600
- Kids' Club After School Program-enrollment for the Dows Prairie site, serving TK-1st grade is full. Enrollment for the Morris site serving 2nd-5th grade is at 90% of capacity.
- Playgroup-has moved from the summer site back to the Activity Center. Playgroup was closed for one week in August to accommodate moving.
- Jiu Jitsu-the second session of jiu-jitsu ended August 17. The third session began August 30, 2016 with 13 participants
- Drop in Pickleball-attendance at drop-in Pickleball continues to be 12-16 players per day. The fall schedule will be Wednesday 9:00am-12:30pm and Friday evenings 6:30pm-8:30pm. Staff met with HSU students this month to begin the planning and coordination of a Pickleball tournament to be held October 21-22, 2016
- Drop in Basketball- the program has been getting 15- 20 participants each week.
- Lawn Games in the Park-Lawn Games in the Park concluded on August 25. This free summer activity was fun both for recreation staff and the community. Several families enjoyed the games in Pierson Park.
- Co-Ed Wood Bat Softball-the Softball league is running smoothly so far this year.
- Adult Futsal-the fall Futsal league will begin on September 7th and will run through November 16, 2016.
- World Wide Day of Play-Staff have begun planning the event, which will be held at Hiller Sports Site on Saturday, September 24, 2016.

OTHER UPDATES:

- Staff met with representatives of the youth sport organizations with current field use agreements at Hiller Sports Site to discuss fee increases for the 2017 agreements, and other challenges to shared use and maintenance. A second meeting to discuss strategies for improving the shared use and agreements has been scheduled for September 14, 2016

McKinleyville Community Services District

BOARD OF DIRECTORS

September 7, 2016

TYPE OF ITEM: **INFORMATION**

ITEM: F.2.D General Manager's Report for September 2016 Meeting

PRESENTED BY: Gregory Orsini, General Manager

TYPE OF ACTION: Information Only

A summary of activity for the month of August 2016

Cost Savings Related to District Activities – The following is a review of some of the recent cost savings opportunities District staff identified for the previous month:

- | | |
|---|---------|
| • Accountant Discount | \$162 |
| • Donation of Pool Table to Teen Center | \$1500 |
| • Cal Trans Crew | \$1,856 |
| • SWAP | \$2,320 |
| • Northern Humboldt Employment Services | \$2,668 |
| • Community Service Workers | \$841 |
| • Rolling Stock Repairs Conducted In House | \$360 |
| • Various Station Repairs Conducted In House | \$350 |
| • Installed Security Light at Sherriff Substation | \$80 |

Total cost savings for August are \$10,137

***The cumulative cost saving to the District to date
from July 1, 2016 is \$44,307***

District staff are recognized and commended for their continued efforts in looking for cost savings, the use of internal labor and grant opportunities that result in real savings for the District, rate payers, and the community.

Board Secretary/ Administrative Assistant Recruitment – The process to recruit a Board Secretary was completed in August with the successful employment of an extremely qualified candidate. Our new employee is scheduled to start on September 16 and will be introduced to the board of directors during her first weeks of employment and will take notes for the first time at the October Board Meeting.

Web Site Overhaul – MCSD will be debuting our updated website in the coming weeks. The new site will be a departure from the old site and should be more esthetically pleasing, easier to navigate and mobile device friendly. Staff along with our consultant have been working to modernize the site and we are eager for its unveiling.

Camino Way OSMZ – This item was heard at the July 2016 Board of Directors Meeting and was scheduled to be brought back in August for dissolution. The Board had questions related to this matter that required inquiry to Humboldt County. Those answers were received and there is no requirement by the county for an open space zone and if MCSD dissolves the OSMZ by request from the community members assessed, the maintenance of the landscape strip will become the responsibility of the land owners. It was proposed by a member of the public that any money paid for the open space maintenance and not used should be returned. To date there is no surplus of funds for that OSMZ. During August Staff calculated the cost for maintenance of the entire landscape strip and is working with Kathy Rodriguez to communicate that to the rest of the community on Camino Way. There is a potential that they may want to add the remainder of the landscape strip, reassess the OSMZ and request MCSD continue with maintenance. This subject will be brought back to a future meeting for further action.

Water and Wastewater Mainline Upgrade, Replacement and Rehabilitation Facility Plan – Consistent with MCSD's Strategic Plan, staff is soliciting Requests for Qualifications (RFQ) to retain the services of a qualified professional to provide the services necessary to plan the long term effort and funding necessary to address in-the-ground water and wastewater infrastructure upgrades and repairs. The RFQs were disturbed in August and staff has fielded a few questions from the consulting firms solicited. The deadline for submission of RFQs is September 23rd.

Potential Alternative Energy Considerations – Consistent with the Strategic Plan the GM invests time considering alternative energy projects. These include solar, wind generation, hybrid, biomass and hydrogen cells. Another area of interest is energy storage, as we find firms that are willing in to provide proposals we will bring applicable proposals to the board's attention.

Recoating of Tank 1A – Bid documents were reviewed, finalized and the project was sent out to bid. The bid packet was circulated to local and regional builder exchanges. The deadline for bid submissions was August 29th, at which time the bids were opened and reviewed for responsiveness and cost. The contract will be brought to the board for approval at the September meeting.

Integrated Pest Management Plan – Staff continues to meet for approximately an hour every other week. The four-member committee includes the GM, Operations Director, Parks Maintenance Supervisor and another staff member. The primary focus at this time is the Guide to Reduced Pesticides and Application Matrix.

Teen Center – The Teen Center is Opened for business. The Boys and Girls Club of the Redwoods staff the Teen Center from 1:00 p.m. until 7:00 p.m. Monday through Friday. During the remainder of the time it is available to rent space for community and private purposes. We continue to add furnishing as they are donated or they are ordered and arrive. There are still several punch list items outstanding and we will not issue a notice of completion or the final remittance to the contractor until the discrepancies are rectified. The

kitchen equipment proposal is several weeks late and we expect to have made a decision on that by the time of the Board Meeting.

Central Avenue Open Space Maintenance Zone – Initiation for the reassessment of the Central Ave. OSMZ was planned to be brought before the board during the September meeting but due to unforeseen circumstances with the attorney that reviews this material and assures compliance with Proposition 218 we have postponed this item.

WWMF Improvements – Weekly construction meetings are attended by staff to discuss the three-week rolling schedule, submittals for materials, requests for information and progress to that point. By the end of September all submittals should be completed, this will mark a significant milestone in the project. Clarifier 1 and 2 are closed in and all forms have been stripped. Plugging and patching of the walls will continue with water testing to follow. The biosolids storage basis earthwork will be completed followed by the placement of the liner in late September. Hauling of fill to complete Aeration Basins 1 and 2 continues with the liners scheduled for October. The control building slab was poured in August with the masonry block wall construction scheduled to start in early September.

Meetings – The General Manager attended various meetings this month. Met with Liz Smith, Boys and Girls Club; Thomas Fumarelli, Fumarelli Associates and Ryan Sundberg to discuss Boys and Girls Club and MCSD integration at the Teen Center now that it is opened. Met with Larry Wood and Scott Gordon, Jackson Eklund and Colleen Trask to review the PERS report for FY 15/16. The report will be included in the FY 15/16 Audit.

Exhibits/Attachments

- Attachment 1 – WWMF Monthly Self Monitoring Report

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



mckinleyvillecsd.com

MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

August 19, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for July 2016 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM, operating under Order Number WQ 2011-0008-DWQ.

The normal discharge of effluent was 30 days to Discharge Points 002, 003, 004, 005 and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in July.

The requirement for BOD is 45 mg/L monthly average, and 65% removal for the weekly average with five weekly tests in July that represent six criteria. The BOD results for July are in compliance.

The requirement for TSS is 83 mg/L, for the monthly average with five weekly tests in July which represent one criteria. The TSS results for July are in compliance.

The requirement for Nitrate as Nitrogen in the effluent is a monthly average of 10 mg/L. One test was conducted in July and was in compliance.

Total Coliform Organisms MPN/100 ml. The Monthly Median not to exceed MPN of 23 and the daily maximum not to exceed MPN of 230. The reported results for the month of July are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of July and were in compliance.

Monthly River Monitoring was conducted in July.

Quarterly well samples were collected in July

Quarterly Disinfection Byproducts were conducted in July

WWMF Upgrade Status: The Clarifier concrete is being poured in stages. The headworks and maintenance building are started and will be built at the same time. The aeration basins are 70% completed and lining is scheduled for next month. Weekly meeting have been conducted with District staff, contractors, engineers and the project manager. Contractors have 521 days to complete the project. They have projected to be completed by February 2017.

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA**

MONTH: JULY

YEAR: 2016

INFLUENT					EFFLUENT		EFFLUENT		RIVER		INFLUENT MONITORING				EFFLUENT MONITORING								3X5	
DATE	FLOW M.G.D.	FLOW M.G.D.	MAXIMUM GPM	CFS	B.O.D. mg/L	N.F.R. mg/L	pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES	SETTLABLE SOLIDS	TOTAL COLIFORM									
1	0.775	0.795	820		320	210	6.8	19.6	20	42	26	1.6		<0.1										
2	0.752	0.470	336																					
3	0.764	0.463	330																					
4	0.778	0.460	332				6.9	19.4			34	4.3			<1.8									
5	0.805	0.591	786				6.8	19.0			34	2.2												
6	0.789	0.784	782				6.8	19.6			28	3.2												
7	0.781	0.767	922		280	260	6.8	19.6	18	37	32	1.7		<0.1										
8	0.752	0.907	929																					
9	0.781	0.518	370																					
10	0.813	0.512	368																					
11	0.785	0.198	363				6.7	19.6			28	4.3			<1.8									
12	0.775	0.000	0				Washed CCB																	
13	0.774	0.571	1197				6.7	19.4			30	3.3												
14	0.755	0.951	965				6.8	19.1			32	1.1												
15	0.753	0.990	742		370	440	6.9	18.8	13	25	30	0.7		<0.1										
16	0.756	0.808	571																					
17	0.806	0.801	567																					
18	0.786	0.768	926				6.7	19.6			28	5.9			<1.8									
19	0.783	0.926	867				6.7	19.6			28	4.6												
20	0.781	0.940	869				6.7	19.4			28	4.4												
21	0.769	0.895	957				6.8	19.6			28	4.1												
22	0.757	1.123	1529		300	210	6.8	19.5	19	33	30	3.1		<0.1										
23	0.758	0.244	182																					
24	0.806	0.235	173																					
25	0.776	0.640	1070				7.0	20.6			28	7.8			<1.8									
26	0.758	1.130	1076				6.8	19.4			30	0.4												
27	0.767	1.072	987				6.7	19.3			34	2.3												
28	0.753	1.282	1295				6.8	19.0			30	4.5												
29	0.731	1.256	1299		290	230	6.9	19.3	20	34	32	4.1		<0.1										
30	0.733	0.763	540																					
31	0.790	0.760	542																					

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
7/19/2016	300	40.0	ND

Semi-Annual Tests		Value in ug/l
Bis phthalate		N/A
aliph-BHC		N/A
4,4'-DDT		N/A
carbon tetrachloride		N/A

Quarterly Tests		Value in ug/l
Dichlorobromomethane		DNO
Bromoforn		ND
Chlorodibromomethane		ND
Chloroforn		DNO

ACUTE TOXICITY		% Survival
DATE		
		N/A
		N/A
		N/A

30 DAY AVERAGE

None to report		BOD	BOD	BOD	NFR	NFR	NFR
DATE		mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
17		17	140	95	32	265	88

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL

Indicates Permit Exceedance

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL**

JULY 2016

Discharge Monitoring	002 M-INF	002 M-001	002 M-003	002 M-003	004 M-005	003 M-004	006 M-007	005 M-006	001 M-002		
DATE	INFLUENT MGD	EFFLUENT MGD	MAXIMUM GPM	N.POND MGD	S.POND MGD	FISCHER MGD UPPER	FISCHER MGD LOWER	PIALORSI MGD	HILLER MGD	IRRGATE TOTAL MGD	RIVER MGD
1	0.775	0.795	820	0.247		0.548				0.548	0.000
2	0.752	0.470	336	0.470						0.000	0.000
3	0.764	0.463	330	0.463						0.000	0.000
4	0.778	0.460	332	0.460						0.000	0.000
5	0.805	0.591	786	0.179		0.367		0.045		0.412	0.000
6	0.789	0.784	782			0.742		0.042		0.784	0.000
7	0.781	0.767	922			0.721		0.046		0.767	0.000
8	0.752	0.907	929	0.294		0.577		0.036		0.613	0.000
9	0.781	0.518	370	0.518						0.000	0.000
10	0.813	0.512	368	0.512						0.000	0.000
11	0.785	0.198	363			0.198				0.198	0.000
12	0.775	0.000	0	Washed CCB						0.000	0.000
13	0.774	0.571	1197			0.523		0.048		0.571	0.000
14	0.755	0.951	965			0.900		0.051		0.951	0.000
15	0.753	0.990	742	0.445		0.508		0.037		0.545	0.000
16	0.756	0.808	571	0.808						0.000	0.000
17	0.806	0.801	567	0.801						0.000	0.000
18	0.786	0.768	926	0.308		0.416		0.044		0.460	0.000
19	0.783	0.926	867			0.874		0.052		0.926	0.000
20	0.781	0.940	869			0.897		0.043		0.940	0.000
21	0.769	0.895	957			0.845		0.050		0.895	0.000
22	0.757	1.123	1529	0.142		0.981				0.981	0.000
23	0.758	0.244	182	0.244						0.000	0.000
24	0.806	0.235	173	0.235						0.000	0.000
25	0.776	0.640	1070	0.093		0.547				0.547	0.000
26	0.758	1.130	1076			1.065			0.065	1.130	0.000
27	0.767	1.072	987			0.828	0.082		0.162	1.072	0.000
28	0.753	1.282	1295			0.898	0.092	0.158	0.134	1.282	0.000
29	0.731	1.256	1299	0.397		0.576	0.032	0.159	0.092	0.859	0.000
30	0.733	0.763	540	0.763						0.000	0.000
31	0.790	0.760	542	0.760						0.000	0.000
TOTAL	23.942	22.620		8.139	0.000	13.011	0.206	0.811	0.453	14.481	0.000
AVERAGE	0.772	0.730	732	0.000	0.000	0.685	0.069	0.062	0.000	0.467	0.000
MAXIMUM	0.813	1.282	1529	0.808	0.000	1.065	0.092	0.159	0.162	1.282	0.000
MINIMUM	0.731	0.000	0	0.093	0.000	0.198	0.032	0.036	0.065	0.000	0.000
DAYS	31	30		19	0	19	3	13	4	19	0
DAYS WITH NO DISCHARGE = 1											