

AVILA BEACH COMMUNITY SERVICES DISTRICT

Post Office Box 309, Avila Beach, CA. 93424
Meeting Room and Office – 100 San Luis Street, Avila Beach
Telephone (805) 595-2664 FAX (805) 595-7623
E-Mail avilacsd@gmail.com

BOARD MEETING

11:00 AM Wednesday, December 12th, 2018

BOARD MEETING LOCATION

100 SAN LUIS STREET

AVILA BEACH, CALIFORNIA

1. **CALL TO ORDER: 11:00 A.M.**

2. **ROLL CALL: Board Members:**

Pete Kelley, President

Lynn Helenius, Vice President

Ara Najarian, Director

Kristen Berry, Director

3. **PUBLIC COMMENT**

Members of the public wishing to comment or bring forward any items concerning District operations **which do not appear on today's agenda** may address the Board now. Please state name and address before addressing the Board and **limit presentations to 3 minutes**. State law does not allow Board action on items not appearing on the agenda.

4. **INFORMATION AND DISCUSSION ITEMS**

Items of District interest which may be placed on later agendas, or where staff needs to inform Board.

A. County Reports

1. SLO County Sheriff Department

2. CalFire/County Fire Department

B. Reports on Attended Conferences, Meetings, and General Communications of District Interest

5. **CONSENT ITEMS:**

These items are approved with one motion. Directors may briefly discuss any item, or may pull any item, which is then added to the business agenda.

A. Minutes of November 14th, 2018 Special Meeting

B. Monthly Financial Review for November

C. General Manager and District Engineer Report

D. Water and Wastewater Superintendent Reports for November

6. DISCUSSION OF PULLED CONSENT ITEMS

At this time, items pulled for discussion from the Consent Agenda, if any, will be heard.

7. BUSINESS ITEMS: Items where Board action is called for.

- A. Election of Officers and Board Committee Appointments
(Action Required: Elect Board officers and Committee appointments for calendar year 2019)
- B. Designate a voting Director and Nomination of Alternate Special District LAFCO Representative
(Action Required: Designate a Board Director to act as the Avila Beach CSD voting delegate at the SLO Chapter CSDA Annual Meeting and if a Director would like to run, nominate for the Special District LAFCO Representative)
- C. Board Consideration of Opting-In to the PG&E Sponsored LED Retrofit Program for Decorative Street Lights
(Action Required: Receive Staff Report and Provide Direction to Staff)
- D. Public Hearing and Second Reading of an Ordinance Regarding Placement and Removal of Garbage and Recycled Materials Containers Ordinance No. 2018-01 Placement of Garbage Containers.
(Action Required: Receive Staff Report, Open Public Hearing, Close Public Hearing and Consider Adoption of Ordinance No. 2018-01 or Provide Other Direction to Staff)
- E. Award Contract for Engineering Services for Investigation and Preliminary Design Work for the San Miguel Sewer Line Replacement Project
(Action Required: Receive Staff Report and Provide Direction to Staff)

8. COMMUNICATIONS/ COORESPONDENCE

At this time, any Director or Staff, may ask questions for clarification, make any announcements, or report briefly on any activities or suggest items for future agendas.

9. ADJOURN

Next regularly scheduled meeting is on Wednesday, January 9th, 2019 at 11:00 AM

Any writing or document pertaining to an open session item on this agenda which is distributed to a majority of the Board after the posting of this agenda will be available for public inspection at the time the subject writing or document is distributed. The writing or document will be available for public review in the District Administration Office, 100 San Luis Street, Avila Beach, CA during normal business hours. Consistent with the Americans with Disabilities Act and California Government Code Section 54954.2 requests for disability related modification or accommodation, including auxiliary aids or services may be made by a person with a disability who requires the modification or accommodation in order to participate at the above referenced public meeting by contacting the District at 805-595-2664.

**MINUTES OF “SPECIAL” MEETING
November 14th, 2018**

1. CALL TO ORDER

President Pete Kelley called the regular meeting of the Board of Directors of the Avila Beach Community Services District, to order at 1:30 PM on the above date, in the Avila Beach Community Service District Building 100 San Luis Street, Avila Beach, California.

2. ROLL CALL

Board Members Present: Pete Kelley
 Kristin Berry
 Ara Najarian

Absent: Lynn Helenius

Staff Present: Brad Hagemann, General Manager and District Engineer
 Kristi Dibbern, Accounting Clerk
 Krista Young, Operations Manager FRM

3. PUBLIC COMMENTS None

4. INFORMATION AND DISCUSSION ITEMS

A. County Reports

1. SLO Sheriff:

Sheriff Michael Manuele reported 91 calls for service during November. The calls included 2 suspicious persons calls, 11 disturbances, 1 vandalism, no petty thefts and no burglaries. Other reports included lost property, warrant for arrests, and drug arrests. A meeting regarding the Pirates Cove area generated ideas regarding implementing signage trash and recycle containers. Also barriers around the perimeter are a topic of discussion for safety reasons. There were reports of a transient problem in the Avila Beach area. Sheriff Manuele explained that if facilities and shelters are not provided to transients the homeless are allowed to camp overnight on public property.

Cal Fire Report:

Battalion Chief Paul Lee reported Cal Fire received 46 reported calls for service, 20 were for medical aid. San Luis County has 50% of the county’s resources are on large fires throughout CA. A tanker truck full of liquid fertilizer rolled over on Hwy 101 last month and three rescues occurred on the Ridge. Chief Lee reminded the Board and public if you are out hiking remember to bring water. Johnson Ranch experienced a fire inside a barn. The fire burned approximately

25 acres but was contained in three hours. Cal Fire will be working on vegetation management in San Luis Bay Estates for the next 3 months. Controlled burning near the Lighthouse is planned after rain occurs. Chief Lee reminded us it is time to test smoke detectors batteries.

B. Reports on Conferences, Meetings and General Communications. GM Hagemann noted that he attended AB 1234 CSDA sponsored Ethics webinar on 11/13/18.

5. CONSENT ITEMS

President Kelley introduced the consent items and inquired if any member of the Board or public wished to address any items. Director Najarian made the motion to accept the consent items, Director Berry seconded the motion and it passed with a roll call vote 3-0.

- A. Minutes of October 10th Regular Meeting
- B. Monthly Financial Review for October
- C. General Manager and District Engineer Report
- D. Water and Wastewater Superintendent Report for October

AYES: Pete Kelley
Ara Najarian
Kristin Berry

NOES: None

ABSENT: Lynn Helenius

6. DISCUSSION OF PULLED CONSENT ITEMS.

None.

7. BUSINESS ITEMS: Items where Board action is called for.

- A. Presentation of FY 2017/18 Financial Audit** – Mr. Chris Brown presented findings of the Financial Audit for FY 2017/18. Mr. Brown explained to the Board there are 2 types of fieldwork, interim and final. From the date of July 1st, 2017 thru June 30th, 2018 the findings were the audit was “unmodified” and “clean”. Fedak and Brown, LLP did **not** identify any weakness within the District’s Internal Control Structures. Financial Highlights are total assets increased \$240,131, liabilities decreased by \$37,011 and net worth increased \$277,523 since the previous fiscal year. Mr. Brown commented, “Having an independent third party on a monthly basis, looking over the bookkeeping is a benefit to the District and strengthens the District’s Internal Controls.”

Anne Brown Avila Beach, asked “Is the Board and staff bonded/insured?” President Kelley commented that the District’s liability insurance through SDRMA covers the Board members and staff. Director Kelley made a motion to accept the Financial Audit as presented by Fedak and Brown, LLP it was seconded by Director Najarian and passed with a roll call vote 3-0.

AYES: Pete Kelley
 Ara Najarian
 Kristin Berry

NOES: None

ABSENT: Lynn Helenius

B. LED Retrofit of District Streetlights

GM Hagemann explained that this was a follow-up item from the October Board meeting that was a non-action item. Hagemann reminded that Board that a change out of the Cobra Head lights will result in approximately \$1,000 per year savings and Decorative Lights will increase costs by approximately \$2,000/yr until the IFC is reduced. Staff recommends retrofitting both street light systems. Staff will contact the Port and find out which lights were installed. Motion was made by Director Berry and seconded by Director Najarian to opt -in to the PGE Program for the Cobra Head lights only at this time and it passed with the roll call vote 3-0. The Board directed staff to bring the Decorative Light retrofit back for further consideration at the December meeting.

AYES: Kristin Berry
 Ara Najarian
 Pete Kelley

NOES: None

ABSENT: Lynn Helenius

C. Ordinance Regarding Placement and Removal of Garbage Containers

The Board reviewed and commented the preliminary draft of this Ordinance at the October meeting. Staff made some changes regarding the penalties section and is now providing the Draft Ordinance for a “First Reading”. Director Kelley made a motion to read the Ordinance by Title Only. Director Najarian seconded the motion and it passed with a roll call vote 3-0.

AYES: Pete Kelley
 Ara Najarian
 Kristin Berry

NOES: None

ABSENT: Lynn Helenius

President Kelley made a motion to schedule a public hearing for Ordinance No. 2018-01 on December 12th, the next Regular Meeting for the Board. Director Berry seconded the motion and it passed with a roll call vote 3-0.

AYES: Pete Kelley
Ara Najarian
Kristin Berry

NOES: None

ABSENT: Lynn Helenius

D. Proposed Garbage Rate Increase for South County Sanitation Services (SCSS)

GM Hagemann introduced the item and reminded the Board that SCSS has requested a rate increase from its franchisees NCSD; OCSD; City of AG, Pismo Beach, Grover Beach and ABCSD. Staff met with other franchisees 2 weeks ago to review a proposal from William Statler to provide a technical analysis of the proposed rate increase. Mr. Statler has been retained to do the analysis and staff recommends the Board obtain the results of his analysis before they make a decision on the rate increase request. The Board concurred and directed staff to monitor the report and report back to the Board.

E. Award Contract for Installation of Metal Building to Store Dodge Fire Truck

GM Hagemann summarized the staff report and noted that staff received two quotes for the purchase and installation of a metal building that would provide secure storage for the District's antique Fire Truck and a small work space for O&M staff at the Water Tank Site. After some discussion of the quotes, Director Kelley made the motion to purchase a Metal Building for a not to exceed amount of \$17,500. Director Najarian seconded the motion and it passed with a roll call vote 3-0.

AYES: Pete Kelley
Ara Najarian
Kristin Berry

NOES: None

ABSENT: Lynn Helenius

8. COMMUNICATIONS:

Next meeting on: WEDNESDAY, Dec 12th, 2018 at 11 A.M.

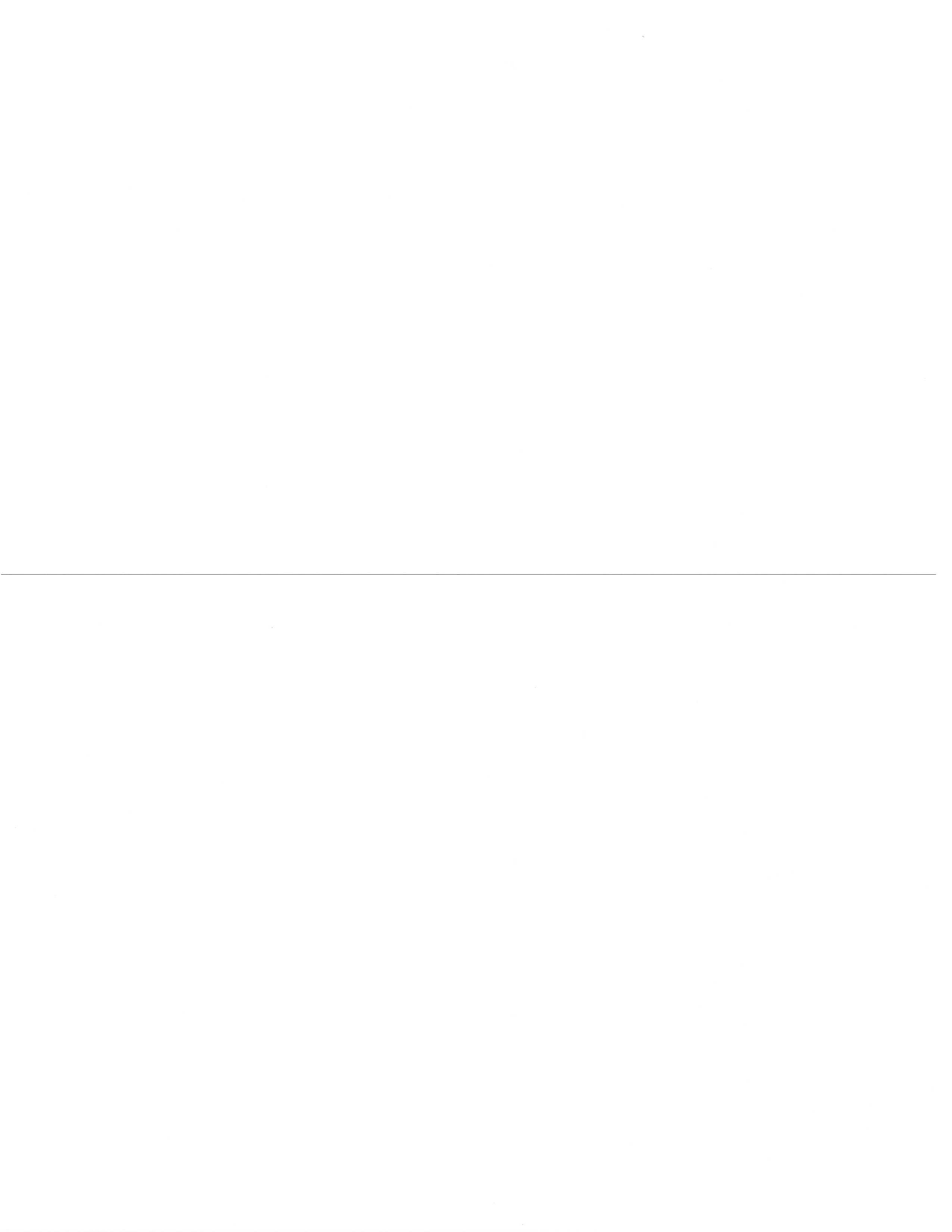
9. ADJOURNMENT: The meeting was adjourned at 3:10 p.m.

The next regular meeting of the Avila Beach Community Services District is scheduled for Wednesday, December 12th , 2018 at 11:00 AM at 100 San Luis Street, Avila Beach.

These minutes are not official nor a permanent part of the records until approved by the Board of Directors at their next meeting.

Respectfully submitted,


Brad Hagemann, PE
General Manager



AVILA BEACH
COMMUNITY SERVICES DISTRICT
Post Office Box 309, Avila Beach, CA 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager 

DATE: December 12, 2018

SUBJECT: Monthly Financial Review for November 2018

Recommendation:

Receive and file report.

Overall Monthly Summary

During November the District made deposits in the amount of \$149,331.55 and experienced \$136,264.98 in expenses (cash basis). Tax revenue for this time of year is typical. Income in November included \$57,038.92 in County tax income, \$86,192.13 in monthly water and sewer fees. Detailed financial reports including a Balance Sheet, Deposits by Fund, Checks by Fund, as well as, a Profit and Loss Sheet for November are provided for your information.

Utility Service Billing

The District billed approximately \$98,958.45 in water and sewer service charges in November. Customer Rate Assistance amounted in a reduction of billing charges to the District in the amount of \$864.50.

Operation and Maintenance

The Fluid Resource Management (FRM) Statement for November 2018 was not available at the time of the Board Packet production. In accordance with the Operations and Maintenance Contract with Fluid Resource Management, The monthly contract fee for FRM has increased from \$18,307 to \$19,021.24 per our contract.

Avila Beach Community Services District
Profit & Loss
November 2018

	<u>Nov 18</u>
Ordinary Income/Expense	
Income	
4000 · Income Summary	
4010 · Operating Revenue	86,192.13
4030 · County Taxes	57,038.92
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Total 4000 · Income Summary	143,231.05
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Total Income	143,231.05
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Gross Profit	143,231.05
Expense	
5100 · Merchant Credit Card Fees TIB	345.19
5200 · Payroll Expenses	
5210 · Gross Wages	
5211 · Regular Pay	2,833.04
5012 · Holiday Pay	321.48
5014 · Sick Pay	53.58
5016 · Vacation Pay	133.95
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Total 5210 · Gross Wages	3,342.05
5230 · Payroll Taxes	57.16
5240 · Health & Medical Exp.	
5242 · Health Ins / Other	600.00
	<hr/>
Total 5240 · Health & Medical Exp.	600.00
5250 · PERS Company Pd Expense	
5256 · PERS Co Pd Kristi	215.44
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Total 5250 · PERS Company Pd Expense	215.44
5280 · Payroll Administration & Misc.	99.16
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Total 5200 · Payroll Expenses	4,313.81
6000 · Administrative Overheads	
6102 · Accounting	440.00
6135 · Legal	872.00
6140 · Office Supplies & Postage	1,105.53
6150 · Rate Assistance	864.50
6170 · Website	200.00
	<hr/>
Total 6000 · Administrative Overheads	3,482.03
6500 · Operating Expenses	
6503 · Chemicals	5,030.12
6505 · Contract Labor O & M	18,307.26
6506 · Contract Labor GM	9,900.00

Avila Beach Community Services District
Profit & Loss
November 2018

	<u>Nov 18</u>
6520 · Equipment Repair & Maint.	
6522 · Equip. Rep. & Maint-Avila & HD	3,268.68
6524 · Equip. Rep. & Maint. Avila Only	40.00
6520 · Equipment Repair & Maint. - Other	4,993.64
Total 6520 · Equipment Repair & Maint.	8,302.32
6535 · Insurance P/L	1,323.04
6540 · Lab Tests	4,546.80
6542 · Maintenance	165.00
6550 · Operating Supplies	183.07
6555 · Permits & Fees	659.11
6580 · Solids Handling	2,540.00
6585 · Telephone / Internet	502.20
6590 · Utilities	3,790.70
Total 6500 · Operating Expenses	55,249.62
6800 · Water	
6802 · Lopez	50,859.66
6805 · State Water	14,382.81
Total 6800 · Water	65,242.47
Total Expense	128,633.12
Net Ordinary Income	14,597.93
Other Income/Expense	
Other Income	
7200 · Non-Operating Income	
7210 · Connection Fees	-59,878.06
Total 7200 · Non-Operating Income	-59,878.06
Total Other Income	-59,878.06
Other Expense	
8200 · Non-Operating Expenses	
8230 · Capital Purchases in Prog Sani	
8245 · WW-10 WWTP Alt. Study	7,892.25
8233 · WW-3 Brine Waste	6,371.00
Total 8230 · Capital Purchases in Prog Sani	14,263.25
Total 8200 · Non-Operating Expenses	14,263.25
Total Other Expense	14,263.25
Net Other Income	-74,141.31
Net Income	-59,543.38

Balance Sheet

As of November 30, 2018

	Nov 30, 18
ASSETS	
Current Assets	
Checking/Savings	
1000 · Cash Summary	
1005 · Customer Cash	417.19
1008 · Petty Cash	135.46
1010 · Pacific Premier Checking	498,516.91
1050 · LAIF	2,993,391.49
Total 1000 · Cash Summary	3,492,461.05
Total Checking/Savings	3,492,461.05
Accounts Receivable	
1200 · *Accounts Receivable	239,847.45
Total Accounts Receivable	239,847.45
Other Current Assets	
1250 · Receivables	
1255 · Interest Receivable	5,144.80
1270 · Taxes Receivable	7,820.07
1280 · Water & Sewer Billings	128,094.61
Total 1250 · Receivables	141,059.48
1400 · Prepaid Summary	
1410 · Prepaid Insurance	9,261.38
1420 · Prepaid State Water	37,428.60
1400 · Prepaid Summary - Other	-0.01
Total 1400 · Prepaid Summary	46,689.97
Total Other Current Assets	187,749.45
Total Current Assets	3,920,057.95
Fixed Assets	
1600 · Fixed Assets & Acc. Depr.	
1605 · Office Equipment	
1606 · Copier Samsung 2012	8,233.58
1609 · Office Equipment Accum Depr	-8,233.59
Total 1605 · Office Equipment	-0.01
1610 · Fixed Asset -Office & Admin.	
1612 · Office Furniture cost	4,526.21
1614 · Office Furniture Accum Dep.	-4,526.21
Total 1610 · Fixed Asset -Office & Admin.	0.00
1620 · Fixed Assets - Sanitary	
1622 · Land	60,314.10
1626 · Collection Assets	
1627 · Collection Assets Cost	1,318,875.26
1628 · Collect Assets Accum Depr	-399,237.22

Avila Beach Community Services District
Balance Sheet
As of November 30, 2018

	<u>Nov 30, 18</u>
Total 1626 · Collection Assets	919,638.04
1630 · Disposal Equipment	
1631 · Disposal Equip Cost	523,122.64
1632 · Disposal Equip Accum Depr	-264,042.83
Total 1630 · Disposal Equipment	259,079.81
1635 · Treatment Plant	
1636 · Treatment Plant Original	105,000.00
1637 · Treatment Plant Addition	2,049,098.30
1638 · Treatment Plant Accum Dep	-1,043,684.59
Total 1635 · Treatment Plant	1,110,413.71
1642 · Treatment Equipment	
1643 · Treatment Equip Cost	1,000,455.00
1644 · Treatment Equip Accum Depr	-524,698.87
1642 · Treatment Equipment - Other	205,485.61
Total 1642 · Treatment Equipment	681,241.74
Total 1620 · Fixed Assets - Sanitary	3,030,687.40
1650 · Fixed Assets - Water	
1652 · Equipment	
1653 · Equipment Cost	21,136.28
1654 · Equipment Accum Depr	-21,136.28
Total 1652 · Equipment	0.00
1656 · Distribution Assets	
1657 · Distribution Assets Cost	1,140,860.50
1658 · Dist Assets Accum Depr	-590,709.56
Total 1656 · Distribution Assets	550,150.94
Total 1650 · Fixed Assets - Water	550,150.94
1680 · Structures - Fixed Asset	
1681 · Structures GFAAG - Sani & FA	29,810.00
1682 · Gen / Fire Accum Dep	-29,810.00
Total 1680 · Structures - Fixed Asset	0.00
1690 · Construction in Progress	123,333.82
Total 1600 · Fixed Assets & Acc. Depr.	3,704,172.15
Total Fixed Assets	3,704,172.15
Other Assets	
1800 · Deferred Outflows of Resources	39,579.00
Total Other Assets	39,579.00
TOTAL ASSETS	7,663,809.10
LIABILITIES & EQUITY	
Liabilities	

Avila Beach Community Services District
Balance Sheet
As of November 30, 2018

	<u>Nov 30, 18</u>
Current Liabilities	
Accounts Payable	
2100 · Accounts Payable	93,166.70
Total Accounts Payable	93,166.70
Credit Cards	
2350 · Home Depot CC	451.78
Total Credit Cards	451.78
Other Current Liabilities	
2200 · Payroll Liabilities	
2260 · Vacation Payable	221.90
2262 · Sick Pay Accrued	1,464.50
2201 · Accrued Payroll	3,693.88
2240 · Health Insurance	
2241 · Employee	0.01
Total 2240 · Health Insurance	0.01
2250 · PERS Liability	157.40
Total 2200 · Payroll Liabilities	5,537.69
2300 · Deposits Held	
2303 · Water Deposits Held	7,580.00
Total 2300 · Deposits Held	7,580.00
Total Other Current Liabilities	13,117.69
Total Current Liabilities	106,736.17
Long Term Liabilities	
2400 · Net Pension Liability	126,121.00
2500 · Deferred Inflows of Resources	16,201.00
Total Long Term Liabilities	142,322.00
Total Liabilities	249,058.17
Equity	
3900 · Retained Earnings	7,285,389.38
Net Income	129,361.55
Total Equity	7,414,750.93
TOTAL LIABILITIES & EQUITY	7,663,809.10

Avila Beach Community Services District
Checks by Fund w/Accounts

12/06/18

November 2018

Type	Date	Num	Name	Memo	Account	Amount	Balance
General / Admin							
Check	11/02/2018	2178	Nikki Engle Bookkeeping	Inv. 1962 10/23/18	6102 · Accounting	220.00	220.00
Check	11/02/2018	2183	Staples	Office Supplies	6140 · Office Supplies & Postage	122.82	342.82
Check	11/02/2018	EFT	Bankcard MTOT Disc		5100 · Merchant Credit Card Fe...	345.19	688.01
Check	11/05/2018	EFT	Adobe.com		6140 · Office Supplies & Postage	14.99	703.00
Check	11/08/2018	EFT	U.S. Postal Service	Board packets	6140 · Office Supplies & Postage	16.76	719.76
Check	11/10/2018	EFT	Cal Tec Computers	computer repairs	6524 · Equip. Rep. & Maint. Avila...	40.00	759.76
Check	11/13/2018	2185	Hagemann & Associates	Inv. 1039 Oct 28th - Nov 10th, 2018 Admin. 40%	6506 · Contract Labor GM	2,200.00	2,959.76
Check	11/13/2018	2186	Nikki Engle Bookkeeping	Inv. 1972 11/6/18	6102 · Accounting	220.00	3,179.76
Check	11/13/2018	2188	Shipsey & Seitz	Law Library	6135 · Legal	80.00	3,259.76
Check	11/13/2018	2193	Petty Cash	Petty Cash Replacement	1008 · Petty Cash	80.00	3,339.76
Check	11/15/2018	EFT	Charter	Acct #. 8245100980033571	6585 · Telephone / Internet	199.95	3,539.71
Check	11/15/2018	EFT	Public Employees Retirement System	Kristi 11/1 - 11/15/18	2250 · PERS Liability	196.74	3,736.45
Check	11/15/2018	EFT	Public Employees Retirement System	Kristi 11/1 - 11/15/18	5256 · PERS Co Pd Kristi	38.37	3,774.82
Check	11/16/2018	2197	Coastline Cleaning Co.	Office Maintenance - Oct 2018	6542 · Maintenance	165.00	3,939.82
Check	11/28/2018	2199	Staples	Office Supplies (New Printer)	6140 · Office Supplies & Postage	487.84	4,427.66
Check	11/28/2018	2201	Hagemann & Associates	40% Admin/ General	6506 · Contract Labor GM	1,760.00	6,187.66
Check	11/29/2018	EFT	Digital Deployment	monthly ABCSD Streamline	6170 · Website	200.00	6,387.66
Total General / Admin						6,387.66	6,387.66
Lights							
Check	11/02/2018	EFT	PG&E	Town Lights acct # 0690976984-3	6590 · Utilities	479.69	479.69
Check	11/02/2018	EFT	PG&E	Colony Lights acct # 5992155362-0	6590 · Utilities	93.47	573.16
Check	11/26/2018	EFT	PG&E	Front St. Lights acct# 5796765606-7	6590 · Utilities	389.28	962.44
Total Lights						962.44	962.44
Sanitary							
Check	11/02/2018	2179	Michael Nunley & Assoc.	WWTP Alternatives Study Inv. 4914	8245 · WW-10 WWTP Alt. Study	7,892.25	7,892.25
Check	11/02/2018	2179	Michael Nunley & Assoc.	WWTP Brine Disposal Study Inv. 4913	8233 · WW-3 Brine Waste	6,371.00	14,263.25
Check	11/02/2018	2180	Brenntag Pacific, Inc.	BPI 2954950 10/18/18	6503 · Chemicals	1,085.95	15,349.20
Check	11/02/2018	2181	Brenntag Pacific, Inc.	BPI 2954952 10/25/18	6503 · Chemicals	1,074.33	16,423.53
Check	11/02/2018	2181	Fluid Resource Management	F17398 Monthly O & M	6505 · Contract Labor O & M	13,732.26	30,155.79
Check	11/02/2018	2181	Fluid Resource Management	A17527 Chemicals (HD)	6503 · Chemicals	298.78	30,454.57
Check	11/02/2018	2181	Fluid Resource Management	Account: 126380 10/31/18 Supplies WWTP	6522 · Equip. Rep. & Maint-Avil...	882.31	31,336.88
Check	11/05/2018	2184	Abalone Coast Analytical, Inc.	Statement 11/01/2018 Inv. 4302	6550 · Operating Supplies	100.16	31,437.04
Check	11/13/2018	2185	Hagemann & Associates	Sani 40%	6540 · Lab Tests	4,546.80	35,983.84
Check	11/13/2018	2189	Speed's, Inc.	Inv. 59710 10/16/18	6506 · Contract Labor GM	2,200.00	38,183.84
Check	11/13/2018	2189	Speed's, Inc.	Inv. 59779 10/30/185	6580 · Solids Handling	1,295.00	39,478.84
Check	11/13/2018	2190	South County Sanitary Service	2 Yd Dumpster	6580 · Solids Handling	1,245.00	40,723.84
Check	11/13/2018	2194	USA Bluebook	Secondary Sed. Parts	6590 · Utilities	119.73	40,843.57
Check	11/15/2018	2195	Brenntag Pacific, Inc.	BPI 2965139 11/1/18	6522 · Equip. Rep. & Maint-Avil...	2,386.37	43,229.94
Check	11/17/2018	EFT	AT&T	acct # x 0885 Internet	6503 · Chemicals	1,275.72	44,505.66
Check	11/25/2018	EFT	AT&T	acct # 805 595-7619 618 0	6585 · Telephone / Internet	58.42	44,564.08
Check	11/26/2018	EFT	PG&E	Waste Water Plant acct # 6380034236-0 3rd & ...	6585 · Telephone / Internet	15.56	44,579.64
Check	11/26/2018	EFT	PG&E	Lift Station acct# 6338432238-2	6590 · Utilities	2,268.00	46,847.64
Check	11/28/2018	2198	Brenntag Pacific, Inc.	BPI 2965140 11/8/18	6590 · Utilities	80.53	46,928.17
Check	11/28/2018	2201	Hagemann & Associates	40% Sanitary	6503 · Chemicals	1,135.75	48,063.92
Check	11/28/2018	EFT	AT&T	acct # 805 595-9416 904 5	6506 · Contract Labor GM	1,760.00	49,823.92
Total Sanitary						234.90	50,058.82

Avila Beach Community Services District
Checks by Fund w/Accounts

November 2018

Type	Date	Num	Name	Memo	Account	Amount	Balance
Check	11/29/2018	EFT	Great Western Alarm	Alarm Service	6590 · Utilities	360.00	50,418.82
Total Sanitary							
Solid Waste							
Check	11/13/2018	2188	Shipsey & Seitz	Trash Can Ordinance	6135 · Legal	246.40	246.40
Check	11/13/2018	2188	Shipsey & Seitz	Rate Increase Solid Waste	6135 · Legal	545.60	792.00
Total Solid Waste							
Water							
Check	11/02/2018	2181	Fluid Resource Management	F17398 Monthly O & M	6505 · Contract Labor O & M	4,575.00	4,575.00
Check	11/02/2018	2181	Fluid Resource Management	A17511 Water System	6503 · Chemicals	159.59	4,734.59
Check	11/02/2018	2181	Fluid Resource Management	W17255 Installation of Chemical Pump System	6520 · Equipment Repair & Maint.	2,368.21	7,102.80
Check	11/02/2018	2181	Fluid Resource Management	W17256 Installation of Eye Washing System	6520 · Equipment Repair & Maint.	2,275.43	9,378.23
Check	11/02/2018	2182	Miners Ace Hardware	Supplies Water System (Padlocks & Cables)	6550 · Operating Supplies	82.91	9,461.14
Check	11/08/2018		Home Depot	paint & roller	6140 · Office Supplies & Postage	11.34	9,472.48
Check	11/13/2018	2185	Hagemann & Associates	Water 20%	6506 · Contract Labor GM	1,100.00	10,572.48
Check	11/13/2018	2187	Augie Sinclair	Inv. 100	6520 · Equipment Repair & Maint.	350.00	10,922.48
Check	11/13/2018	2191	SLO County Public Works	Inv. 818 State Water Wheeling Cost FY 17/18	6805 · State Water	8,667.43	19,589.91
Check	11/13/2018	2191	SLO County Public Works	Inv. 803 State Water Wheeling Cost FY 18/19	6805 · State Water	5,715.38	25,305.29
Check	11/13/2018	2192	SLO County Public Works	Inv. 1049 FY 2018-19 CSA 12 Deposit to SAP #...	6802 · Lopez	50,859.66	76,164.95
Check	11/16/2018	2196	Dept of Environment Health Services	Lopez Permitting Inv. 0118589 1/1/19 -12/31/19	6555 · Permits & Fees	429.00	76,593.95
Check	11/28/2018	2200	State Water Board	Water Rights Permit See Canyon Wells	6555 · Permits & Fees	230.11	76,824.06
Check	11/28/2018	2201	Hagemann & Associates	20% Water	6506 · Contract Labor GM	880.00	77,704.06
Total Water							
TOTAL						77,704.06	136,264.98

Avila Beach Community Services District
Deposits by Fund
 November 2018

12/06/18

Type	Date	Memo	Split	Amount	Balance
General / Admin					
Deposit	11/13/2018	TCF FY 18 OCT ME - IMPR # 1 - Gen .70, Water .25, Lights .05	1010 · Pacific Premier Ch...	-9,359.97	-9,359.97
Deposit	11/13/2018	James Hannon \$ 118.75 Howie Kennett \$ 100.00 Daniel Johnson \$ 1...	1010 · Pacific Premier Ch...	-538.75	-9,898.72
Deposit	11/15/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - SEC - Gen .70, Water .25,...	1010 · Pacific Premier Ch...	-3,236.07	-13,134.79
Total General / Admin				-13,134.79	-13,134.79
Lights					
Deposit	11/13/2018	TCF FY 18 OCT ME - IMPR # 1 - Gen .70, Water .25, Lights .05	1010 · Pacific Premier Ch...	-668.57	-668.57
Deposit	11/13/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - Gen .70, Water .25, Light...	1010 · Pacific Premier Ch...	-525.04	-1,193.61
Deposit	11/15/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - SEC - Gen .70, Water .25,...	1010 · Pacific Premier Ch...	-231.14	-1,424.75
Total Lights				-1,424.75	-1,424.75
Sanitary					
Deposit	11/01/2018	Sani Rec	1010 · Pacific Premier Ch...	-1,199.89	-1,199.89
Deposit	11/01/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-1,176.14
Deposit	11/01/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-1,176.14
Deposit	11/01/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-1,176.14
Deposit	11/02/2018	Sani Rec	1010 · Pacific Premier Ch...	-621.00	-1,797.14
Deposit	11/02/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.87	-1,785.27
Deposit	11/02/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-1,785.27
Deposit	11/02/2018	1/2 Other 2	1010 · Pacific Premier Ch...	56.92	-1,728.35
Deposit	11/05/2018	Sani Rec	1010 · Pacific Premier Ch...	-1,127.83	-2,856.18
Deposit	11/05/2018	Rate Assistance	1010 · Pacific Premier Ch...	47.50	-2,808.68
Deposit	11/05/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-2,808.68
Deposit	11/05/2018	1/2 Other 2	1010 · Pacific Premier Ch...	14.10	-2,794.58
Deposit	11/07/2018	Sani Rec	1010 · Pacific Premier Ch...	-2,228.83	-5,023.41
Deposit	11/07/2018	Rate Assistance	1010 · Pacific Premier Ch...	71.25	-4,952.16
Deposit	11/07/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-4,952.16
Deposit	11/07/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-4,952.16
Deposit	11/09/2018	Sani Rec	1010 · Pacific Premier Ch...	-13,593.72	-18,545.88
Deposit	11/09/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-18,522.13
Deposit	11/09/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-18,522.13
Deposit	11/09/2018	1/2 Other 2	1010 · Pacific Premier Ch...	59.25	-18,462.88
Deposit	11/10/2018	Sani Rec	1010 · Pacific Premier Ch...	-1,378.55	-19,841.43
Deposit	11/10/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-19,841.43
Deposit	11/10/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-19,841.43
Deposit	11/10/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-41.25	-19,882.68
Deposit	11/13/2018	TCF FY 18 OCT ME - WASTE	1010 · Pacific Premier Ch...	-13,399.57	-33,282.25
Deposit	11/13/2018	F: 0895 A: 0760 - CURR SECURED TAX	1010 · Pacific Premier Ch...	-10,514.95	-43,797.20

Avila Beach Community Services District
Deposits by Fund
November 2018

12/06/18

Type	Date	Memo	Split	Amount	Balance
Deposit	11/13/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - Gen .70, Water .25, Light...	1010 · Pacific Premier Ch...	-7,350.66	-51,147.86
Deposit	11/13/2018	000162 Community Park Restrooms 9/26 - 10/12/18	1010 · Pacific Premier Ch...	-366.08	-51,513.94
Deposit	11/13/2018	Sani Rec	1010 · Pacific Premier Ch...	-3,601.45	-55,115.39
Deposit	11/13/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.87	-55,103.52
Deposit	11/13/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-55,103.52
Deposit	11/13/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-55,103.52
Deposit	11/13/2018	000162 Community Park Restroom 9/26 - 10/2/18	1010 · Pacific Premier Ch...	366.08	-54,737.44
Deposit	11/13/2018	AT&T Refund ck	1010 · Pacific Premier Ch...	-6.63	-54,744.07
Deposit	11/14/2018	Sani Rec	1010 · Pacific Premier Ch...	-2,805.77	-57,549.84
Deposit	11/14/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.87	-57,537.97
Deposit	11/14/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-57,537.97
Deposit	11/14/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-90.62	-57,628.59
Deposit	11/15/2018	Sani Rec	1010 · Pacific Premier Ch...	-4,469.24	-62,097.83
Deposit	11/15/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-62,074.08
Deposit	11/15/2018	1/2 Other 1	1010 · Pacific Premier Ch...	17.19	-62,056.89
Deposit	11/15/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-33.75	-62,090.64
Deposit	11/15/2018	F: 0895 A: 0760 - CURR SECURED TAX	1010 · Pacific Premier Ch...	-4,629.12	-66,719.76
Deposit	11/19/2018	Sani Rec	1010 · Pacific Premier Ch...	-3,459.91	-70,179.67
Deposit	11/19/2018	Rate Assistance	1010 · Pacific Premier Ch...	47.50	-70,132.17
Deposit	11/19/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-70,132.17
Deposit	11/19/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-0.45	-70,132.62
Deposit	11/20/2018	Sani Rec	1010 · Pacific Premier Ch...	-9,579.74	-79,712.36
Deposit	11/20/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.87	-79,700.49
Deposit	11/20/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-79,700.49
Deposit	11/20/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-79,700.49
Deposit	11/26/2018	Sani Rec	1010 · Pacific Premier Ch...	-1,658.65	-81,359.14
Deposit	11/26/2018	Rate Assistance	1010 · Pacific Premier Ch...	47.50	-81,311.64
Deposit	11/26/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-81,311.64
Deposit	11/26/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-81,311.64
Deposit	11/27/2018	Sani Rec	1010 · Pacific Premier Ch...	-751.14	-82,062.78
Deposit	11/27/2018	Rate Assistance	1010 · Pacific Premier Ch...	38.00	-82,024.78
Deposit	11/27/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-82,024.78
Deposit	11/27/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-82,024.78
Deposit	11/28/2018	Sani Rec	1010 · Pacific Premier Ch...	-638.95	-82,663.73
Deposit	11/28/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-82,639.98
Deposit	11/28/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-82,639.98
Deposit	11/28/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-1.12	-82,641.10
Deposit	11/28/2018	Sani Rec	1010 · Pacific Premier Ch...	-219.57	-82,860.67
Deposit	11/28/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-82,860.67
Deposit	11/28/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-82,860.67
Deposit	11/28/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-82,860.67

Avila Beach Community Services District
Deposits by Fund
 November 2018

12/06/18

Type	Date	Memo	Split	Amount	Balance
Deposit	11/29/2018	Sani Rec	1010 · Pacific Premier Ch...	-836.55	-83,697.22
Deposit	11/29/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-83,697.22
Deposit	11/29/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-83,697.22
Deposit	11/29/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-83,697.22
Deposit	11/30/2018	\$ 471.66 CC BALANCE ADJ CCs	1010 · Pacific Premier Ch...	-235.83	-83,933.05
Total Sanitary					
Water					
Deposit	11/01/2018	Water Rec	1010 · Pacific Premier Ch...	-614.35	-614.35
Deposit	11/01/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-590.60
Deposit	11/01/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-590.60
Deposit	11/01/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-590.60
Deposit	11/02/2018	Water Rec	1010 · Pacific Premier Ch...	-570.00	-1,160.60
Deposit	11/02/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.88	-1,148.72
Deposit	11/02/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-1,148.72
Deposit	11/02/2018	1/2 Other 2	1010 · Pacific Premier Ch...	56.93	-1,091.79
Deposit	11/05/2018	Water Rec	1010 · Pacific Premier Ch...	-667.00	-1,758.79
Deposit	11/05/2018	Rate Assistance	1010 · Pacific Premier Ch...	47.50	-1,711.29
Deposit	11/05/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-1,711.29
Deposit	11/05/2018	1/2 Other 2	1010 · Pacific Premier Ch...	14.10	-1,697.19
Deposit	11/07/2018	Water Rec	1010 · Pacific Premier Ch...	-3,175.35	-4,872.54
Deposit	11/07/2018	Rate Assistance	1010 · Pacific Premier Ch...	71.25	-4,801.29
Deposit	11/07/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-4,801.29
Deposit	11/07/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-4,801.29
Deposit	11/09/2018	Water Rec	1010 · Pacific Premier Ch...	-8,601.00	-13,402.29
Deposit	11/09/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-13,378.54
Deposit	11/09/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-13,378.54
Deposit	11/09/2018	1/2 Other 2	1010 · Pacific Premier Ch...	59.25	-13,319.29
Deposit	11/10/2018	Water Rec	1010 · Pacific Premier Ch...	-1,379.40	-14,698.69
Deposit	11/10/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-14,698.69
Deposit	11/10/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-14,698.69
Deposit	11/10/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-41.25	-14,739.94
Deposit	11/13/2018	TCF FY 18 OCT ME - IMPR # 1 - Gen .70, Water .25, Lights .05	1010 · Pacific Premier Ch...	-3,342.85	-18,082.79
Deposit	11/13/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - Gen .70, Water .25, Light...	1010 · Pacific Premier Ch...	-2,625.24	-20,708.03
Deposit	11/13/2018	001622 San Juan Park Irrigation 9/26 - 10/12/18	1010 · Pacific Premier Ch...	-1,402.20	-22,110.23
Deposit	11/13/2018	001483 Front St Irrigation 9/26 - 10/12/18	1010 · Pacific Premier Ch...	-957.60	-23,067.83
Deposit	11/13/2018	000162 Community Park Restrooms 9/26 - 10/12/18	1010 · Pacific Premier Ch...	-250.80	-23,318.63
Deposit	11/13/2018	Water Rec	1010 · Pacific Premier Ch...	-5,419.05	-28,737.68
Deposit	11/13/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.88	-28,725.80
Deposit	11/13/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-28,725.80

Avila Beach Community Services District
Deposits by Fund
 November 2018

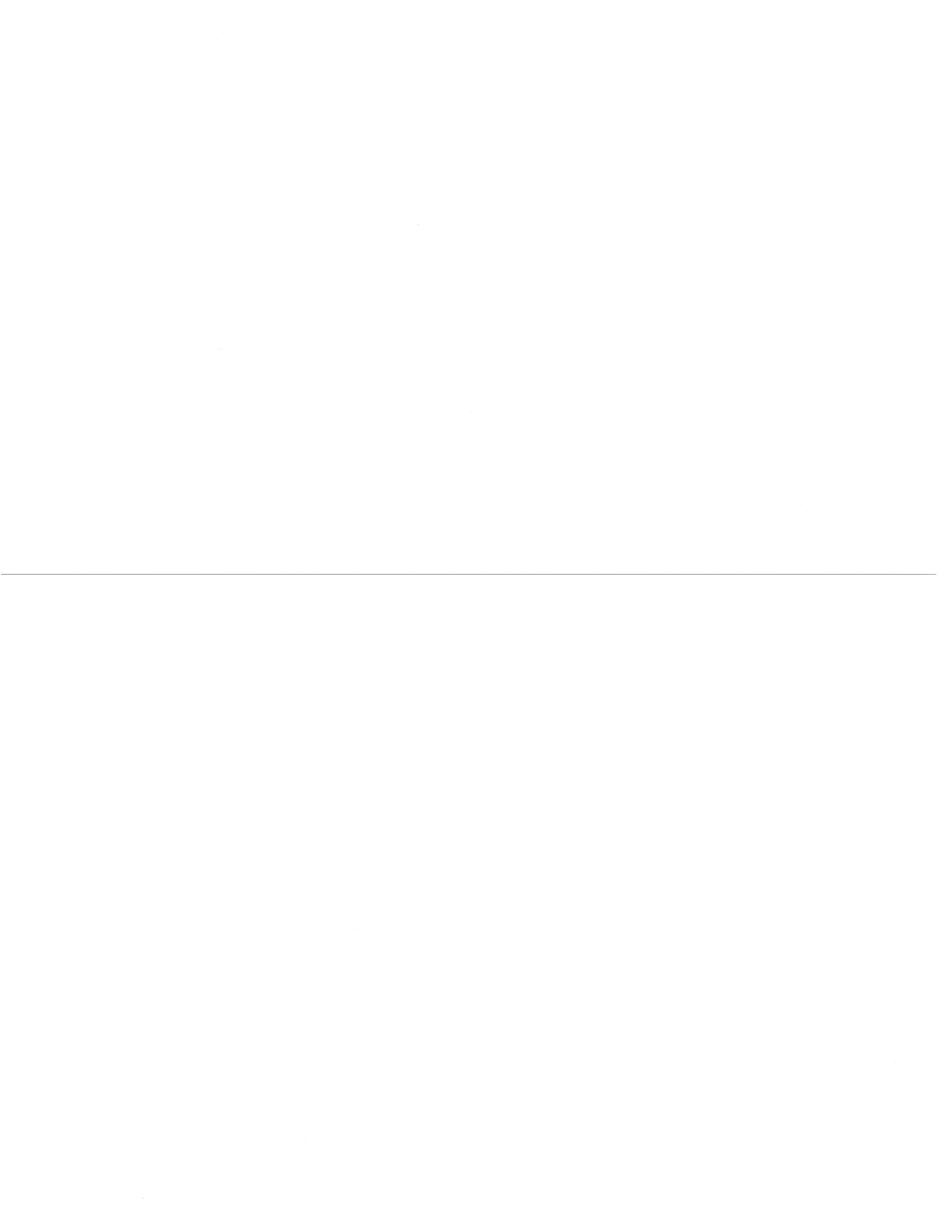
12/06/18

Type	Date	Memo	Split	Amount	Balance
Deposit	11/13/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-28,725.80
Deposit	11/13/2018	Co SLO booked 11/13/18 001483 Front St Irrigation 9/26 - 10/2/18	1010 · Pacific Premier Ch...	957.60	-27,768.20
Deposit	11/13/2018	000162 Community Park Restroom 9/26 - 10/2/18	1010 · Pacific Premier Ch...	250.80	-27,517.40
Deposit	11/13/2018	001622 San Juan Park Irr 9/26 - 10/2/18	1010 · Pacific Premier Ch...	1,402.20	-26,115.20
Deposit	11/14/2018	Water Rec	1010 · Pacific Premier Ch...	-2,760.75	-28,875.95
Deposit	11/14/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.88	-28,864.07
Deposit	11/14/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-28,864.07
Deposit	11/14/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-90.63	-28,954.70
Deposit	11/15/2018	Water Rec	1010 · Pacific Premier Ch...	-4,363.37	-33,318.07
Deposit	11/15/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-33,294.32
Deposit	11/15/2018	1/2 Other 1	1010 · Pacific Premier Ch...	17.19	-33,277.13
Deposit	11/15/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-33.75	-33,310.88
Deposit	11/15/2018	H. Carroll's ck (\$.05) less	1010 · Pacific Premier Ch...	0.05	-33,310.83
Deposit	11/15/2018	F: 0895 A: 0760 - AVILA BEACH IMP # 1 - SEC - Gen .70, Water .25,...	1010 · Pacific Premier Ch...	-1,155.74	-34,466.57
Deposit	11/19/2018	Water Rec	1010 · Pacific Premier Ch...	-3,156.10	-37,622.67
Deposit	11/19/2018	Rate Assistance	1010 · Pacific Premier Ch...	47.50	-37,575.17
Deposit	11/19/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-37,575.17
Deposit	11/19/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-0.45	-37,575.62
Deposit	11/19/2018	Pd Cash \$ 95 Daniel Manuele	1010 · Pacific Premier Ch...	95.00	-37,480.62
Deposit	11/20/2018	Water Rec	1010 · Pacific Premier Ch...	-9,294.35	-46,774.97
Deposit	11/20/2018	Rate Assistance	1010 · Pacific Premier Ch...	11.88	-46,763.09
Deposit	11/20/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-46,763.09
Deposit	11/20/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-46,763.09
Deposit	11/26/2018	Water Rec	1010 · Pacific Premier Ch...	0.00	-46,763.09
Deposit	11/26/2018	Rate Assistance	1010 · Pacific Premier Ch...	-2,030.20	-48,793.29
Deposit	11/26/2018	1/2 Other 1	1010 · Pacific Premier Ch...	47.50	-48,745.79
Deposit	11/26/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-48,745.79
Deposit	11/27/2018	Water Rec	1010 · Pacific Premier Ch...	0.00	-48,745.79
Deposit	11/27/2018	Rate Assistance	1010 · Pacific Premier Ch...	-464.50	-49,210.29
Deposit	11/27/2018	1/2 Other 1	1010 · Pacific Premier Ch...	38.00	-49,172.29
Deposit	11/27/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-49,172.29
Deposit	11/27/2018	Pd Cash \$ 100 Margarita Trevino	1010 · Pacific Premier Ch...	100.00	-49,072.29
Deposit	11/28/2018	Water Rec	1010 · Pacific Premier Ch...	-724.00	-49,796.29
Deposit	11/28/2018	Rate Assistance	1010 · Pacific Premier Ch...	23.75	-49,772.54
Deposit	11/28/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-49,772.54
Deposit	11/28/2018	1/2 Other 2	1010 · Pacific Premier Ch...	-1.13	-49,773.67
Deposit	11/28/2018	Water Rec	1010 · Pacific Premier Ch...	-195.81	-49,969.48
Deposit	11/28/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-49,969.48
Deposit	11/28/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-49,969.48
Deposit	11/28/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-49,969.48
Deposit	11/29/2018	Water Rec	1010 · Pacific Premier Ch...	-633.65	-50,603.13

Avila Beach Community Services District
Deposits by Fund
 November 2018

12/06/18

Type	Date	Memo	Split	Amount	Balance
Deposit	11/29/2018	Rate Assistance	1010 · Pacific Premier Ch...	0.00	-50,603.13
Deposit	11/29/2018	1/2 Other 1	1010 · Pacific Premier Ch...	0.00	-50,603.13
Deposit	11/29/2018	1/2 Other 2	1010 · Pacific Premier Ch...	0.00	-50,603.13
Deposit	11/30/2018	\$ 471.66 CC BALANCE ADJ CCs	1010 · Pacific Premier Ch...	-235.83	-50,838.96
Total Water				-50,838.96	-50,838.96
TOTAL				-149,331.55	-149,331.55




**AVILA BEACH
COMMUNITY SERVICES DISTRICT**

Post Office Box 309, Avila Beach, CA. 93424

ME MORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager 

DATE: December 12, 2018

SUBJECT: General Manager/District Engineer Report

Zone 3 Technical Advisory Committee and Advisory Committee

The Zone 3 Technical Advisory Committee (TAC) met on Wednesday, November 14, 2018, at the Arroyo Grande City Hall offices. The Meeting Agenda and materials are attached to this report. As of this writing Lopez Lake is at an elevation of 480 feet, 40% capacity and has approximately 19,700 acre feet of water in storage. ~~Rain Accumulation at the Lopez dam since July 1, 2018 is approximately 3.5 inches.~~ The recent rains have saturated the ground in the Lake drainage area but have not significantly affected the Lake storage levels. Hopefully we will receive additional rainfall in the coming months, which should have a positive impact on Lake storage.

As noted in previous reports, the lake level is hovering on one of the “trigger” points (20,000 AF) for the Low Reservoir Response Plan (LRRP). The other LRRP trigger point is the SLO County Board of Supervisors must also declare a water shortage emergency. The TAC has recommended we wait until February to make a decision regarding implementation of the LRRP.

Staff also attended the November 15, 2018, Zone 3 Advisory Committee Meeting. The Meeting Agenda and materials are attached to this report. Based on the Technical Advisory Committee’s recommendation, the Advisory Committee considered recommending that the Board of Supervisors move forward with adopting the CEQA documents and moving forward with the Cloud Seeding Program this rainy season. The Advisory Committee was not comfortable with moving forward and requested County staff to provide additional information on the potential environmental impacts of cloud seeding. The Committee scheduled a special Advisory Committee meeting for November 29, 2018 to discuss the matter further and consider a motion to pursue a cloud seeding program for the 2018/19 winter (Agenda attached). At the November 29, 2018, Special Meeting, the Committee did unanimously adopt a motion to pursue the cloud seeding program. The Board of Supervisors is scheduled to consider this action at their meeting in early January 2019.

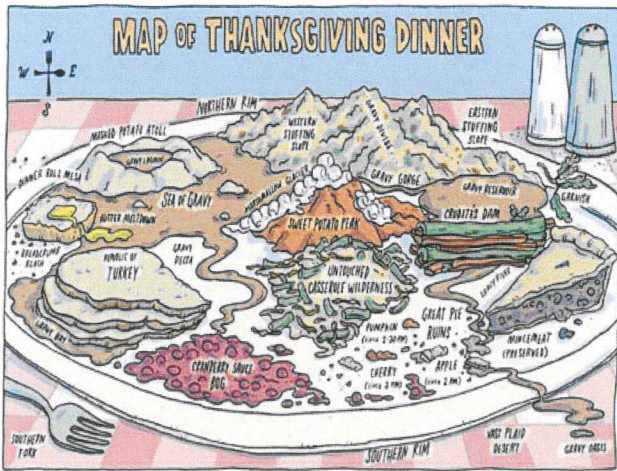
Solid Waste Rate Request Application

The Board will recall that the District's garbage collection and disposal contractor, South County Sanitation Services (SCSS) recently requested a 13% rate increase. Several of the other SCSS agencies retained the services of William Statler to conduct an in depth analysis of the rate request. Mr. Statler has completed the first draft of his analysis and is meeting with SCSS and agency staff this week to discuss the analysis. His final analysis will likely be completed by the end of the calendar year and I will include an update at the January 2019 Board meeting.

Preventative Maintenance at WWTP & Plans for Taking Primary Clarifier Off-Line for Inspection and Preventative Maintenance

Fluid Resource Management Operations and Maintenance staff have recently completed several preventative maintenance (PM) projects at the WWTP. These large PM projects are best completed after the high flow summer months and in between significant storm events. The projects include installation of new drive gears, chains, flights and bearings in the secondary sedimentation basin (Side B). Side A drive gears, chains, flights and bearings were replaced earlier this year. The expected useful life of these parts is typically on the order of 10 years.

This work on the secondary clarifiers is important because we intend to take the primary clarifier out of service at some point this winter for cleaning, inspection and spot recoating. When we take the primary clarifier off-line, the influent is re-routed to the A Side of the secondary clarifier and it acts as the interim primary clarifier. The primary clarifier will be drained, cleaned and inspected. We anticipate we will need to do some touch up work on the coatings and maintenance on the scrapers. The plan is to have the primary clarifier out of service for approximately five days. As time allows we also plan on replacing several in the ground valves that have been in service for over 25 years. The current schedule is to take the primary clarifier off-line in early January. I will keep you posted on the project status.



**ZONE 3
TECHNICAL ADVISORY COMMITTEE**

Wednesday November 14, 2018

9:00 - 11:00 AM

**ARROYO GRANDE CITY HALL
300 BRANCH STREET
2nd FLOOR CONFERENCE ROOM**

Agenda

1. Announcements – 5 min	All
2. General Operations and Water Report – 15 min <ul style="list-style-type: none"> • Monthly Operations Report • Lopez Dam Storage Projections • Summary Notes 	Jill Ogren
3. HCP – FY 19/20 Budget for Instream Studies – 15 min	Katie Drexhage
4. FY 19/20 Proposed CIP budget request – 30 min	Jill/David
5. Cloud Seeding Cost Analysis – 15 min	Ray Dienzo
6. LRRP Revision vs Contract Changes – 45 min <ul style="list-style-type: none"> • Discussion of proposed contract amendments (OCSD drafts) • Next Steps? 	All
7. Agenda items next month? <ul style="list-style-type: none"> • Final FY 19/20 CIP Budget • Taste and Odor Issues alternatives • Strategy for use of District Reserves 	All

Attachments:

- A. Summary Notes - October
- B. Lopez Monthly Operations Report - October
- C. Lopez Reservoir Storage Projection Chart
- D. CIP Update
- E. FY 19/20 Draft CIP Budget
- F. Cloud Seeding Cost Estimate
- G. OCSD Proposed Contract Changes (to be sent out separately)

Next Meeting Date December 12, 2018



ZONE 3

TECHNICAL ADVISORY COMMITTEE

WEDNESDAY October 10, 2018 (9:00-11:00 AM)

SUMMARY NOTES - DRAFT

ARROYO GRANDE CITY HALL

Attendees: Shane Taylor (Arroyo Grande), Brandon Shea (Pismo), Greg Ray (Grover Beach), Jim Garing, Paavo Ogren (OCSD), Vard Ikeda, John Wallace, Dan Heimel (WSC), Jill Ogren (PW Dept), Craig Kesler (PW Dept), Jenny Williamson (PW Dept), Ron Munds (PW Dept), Annie Secrest (PW Dept)

- **Announcements –**

- State Water Board sent out an email notice announcing free water testing to privately owned wells.
- Jill Ogren provided a follow up concerning the Cloud Seeding Program discussed at the September 20th Advisory Committee Meeting. Due to several questions the Board of Supervisors had regarding the program and City of San Luis Obispo having no interest in participating, Zone 3 would be responsible for fully funding the program if they wish to continue forward. Ray Dienzo will issue a staff report outlining costs for the program if Zone 3 chooses to cover the costs or partner with Santa Barbara County.
- State Water to shut off November 2nd and start back up November 19th. Free Chlorine switch to take place during this time.

- **Engie Program – Solar Energy at WTP –**

- Annie Secrest with San Luis Obispo County Public Works discussed solar energy options thru Engie for Lopez and costs. Ground installation would be cheaper compared to roof installation based on roof conditions, possible replacement and additional support for installation to take place.
- Owning the solar system versus a Power Purchase Agreement discussed. Pros and cons of benefits, costs and maintenance compared.
- Craig Kesler brought up a concern about specific equipment/processes that may be disrupted if a power outage occurs and there may be constant switching of systems coming on for each process. Annie Secrest clarified that Lopez would still receive power from PG&E, the solar option would supplement power in case of an outage before moving over to generator power. Plant processes should not be disrupted.
- TAC recommends moving forward with a detailed further review of utilizing solar energy at an estimated cost of \$11,740.
- TAC considering possibility of floating solar panels for the Terminal Reservoir to help with algae growth.

- **General Operations and Water Supply Report**

- Lake Elev. = 482.73 ft, Storage = 21,028 AF @ 43% capacity; Downstream releases are at 4.3 MGD (instantaneous reading); WTP at 4.8 MGD; SWP at 0.7 MGD. Rainfall to date 0.67.
- Jill Ogren discussed the Lopez Dam Storage and Monthly Operations Report.
- Jill Ogren discussed Downstream releases. Releases will remain at current level due to discovery of Steelhead in Arroyo Grande Creek. Awaiting word from Environmental Division concerning when Downstream releases can be reduced.
- Submittal of annual requests for water discussed. Email was sent out to TAC members with all forms attached to be submitted back to David Spiegel.

- **LRRP Revision vs Contract Changes –**

- Paavo Ogren discussed concerns over County Counsels determination that an amendment to the contract is needed if we are to make the proposed changes to the LRRP and the appeals court ruling in relation to the LRRP. Contract amendment options discussed concerning storage rights at Lopez and considerations for other contract amendments currently on hold.
- Usage of entitlement and surplus water discussed based on the storage model chosen and the new legal precedence recently implemented.

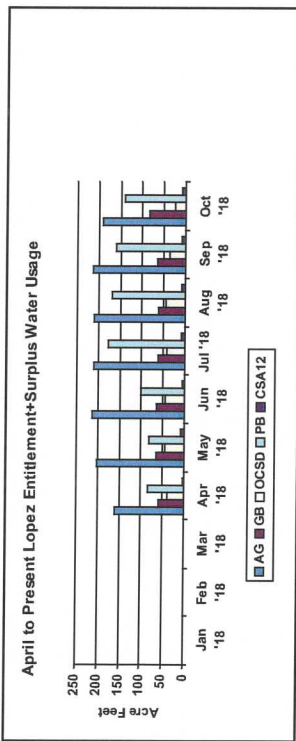
- Concerns discussed on the Exit Plan of the LRRP needing to be clarified for approval.
 - Old LRRP available to reenact if the new LRRP cannot be adopted in a timely manner and amendments cannot be implemented prior to declaring an emergency.
 - OCSD to bring proposed contract amendments to next meeting for consideration.
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- **Agenda Items Next month –**

Next meeting November 14th, 2018

Summary Notes Prepared by Jenny Williamson

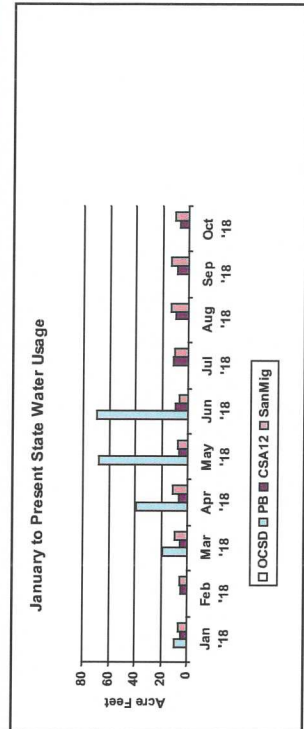
San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report October, 2018

Contractor	Lopez Water Deliveries												State Water Deliveries					
	This Month				April to Present				This Month				January to Present		This Month		Total Water Deliveries This Month	
	Entl.	Surplus	Total		Entitlement Usage %	Surplus Usage %	Total Usage %		Annual Request	Usage	% of Annual Request	Change in Storage	Usage	% of Annual Request	SWP Deliveries	SWP Deliveries		
Arroyo Grande	2290	564.00	2854.00	189.62	8.3%	0.00	0.0%	1398.66	61.1%	0.00	0.0%	1398.66	49.0%	0	0.00	0.0%	0.0%	189.62
Oceano CSD	303	75.00	378.00	25.43	8.4%	0.00	0.0%	280.13	92.5%	0.00	0.0%	280.13	74.1%	205	0.00	0.0%	100.0%	25.43
Grover Beach	800	197.00	997.00	85.46	10.7%	0.00	0.0%	463.63	58.0%	0.00	0.0%	463.63	46.5%	83.96	6.20	7.4%	87.1%	85.46
Pismo Beach	892	220.00	1112.00	141.83	15.9%	0.00	0.0%	910.86	102.1%	0.00	0.0%	910.86	81.9%	120	10.51	8.8%	77.5%	141.83
CSA 12	245	60.00	305.00	7.92	3.2%	0.00	0.0%	49.41	20.2%	0.00	0.0%	49.41	16.2%	408.96	16.71	4.1%	90.8%	14.12
San Miguelito																		10.51
Total	4530	1116.00	5646.00	450.26	9.9%	0.00	0.0%	3102.69	68.5%	0.00	0.0%	3102.69	55.0%	408.96	16.71	4.1%	90.8%	466.97
																		189.62
																		1340.55



Note: Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

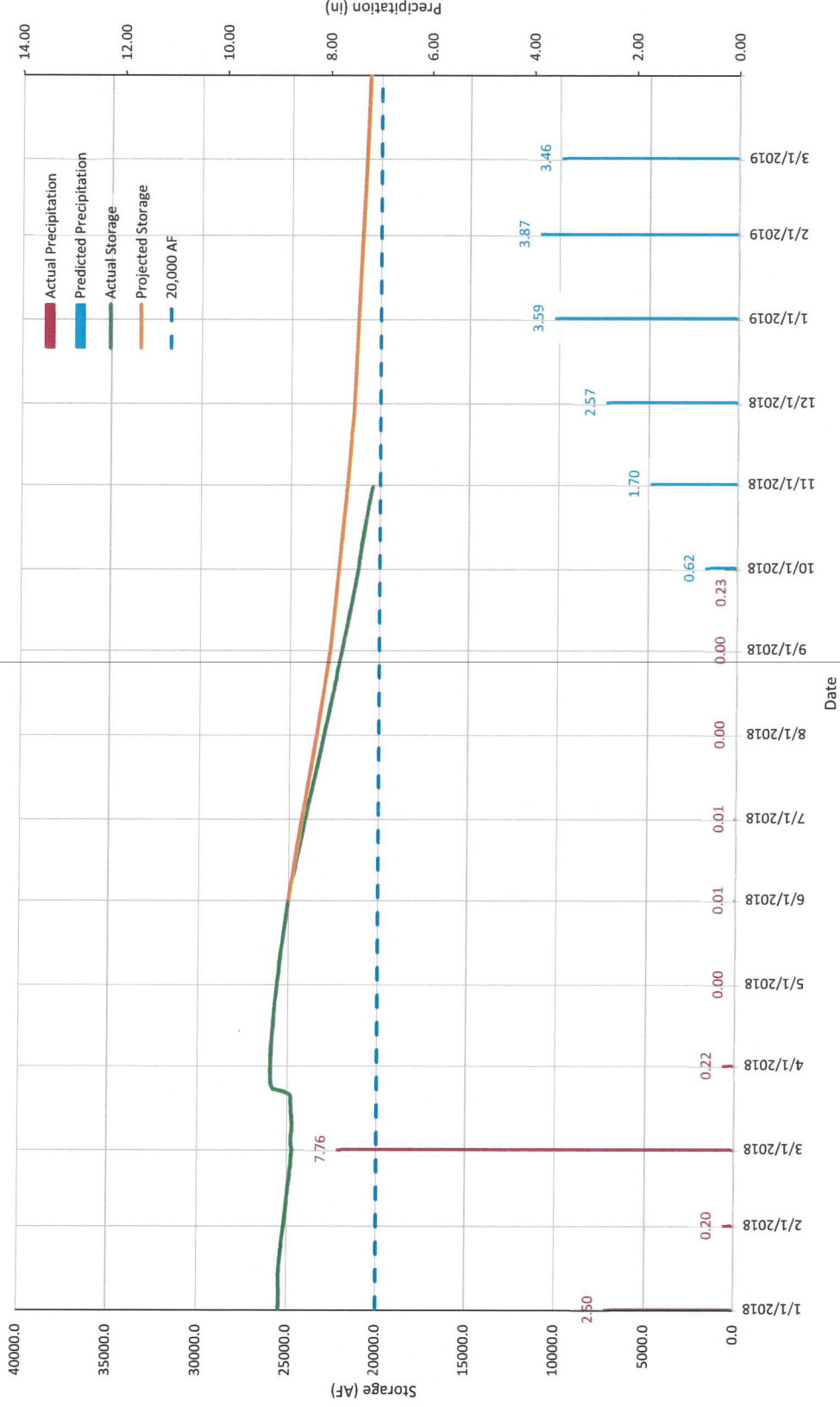
Lopez Dam Operations	This Month	Year to Date
Lake Elevation (full at 522.37 feet)	481.5	-40.87
Storage (full at 49200 acre feet)	20417	41.5%
Rainfall	0.67	0.67
Downstream Release (4200 acre feet/year)	392.82	2553.01
Spillage (acre feet)	0	0.00



"Year to Date" is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

Comments: Surplus water shown is as designated per BOS May 15, 2018 Declaration of Surplus Water.
1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.05 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 2.05 AF was subtracted from Arroyo Grande's usage this month.

LOPEZ RESERVOIR STORAGE PROJECTION



Note:
 1. Storage projection is based on predicted rainfall from longrangeweather.com, historic inflow based on predicted rainfall, 18-19 downstream release requests, and municipal usage.
 2. Municipal Usage is based on 2010-2017 average monthly deliveries.



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

TO: Zone 3 Technical Advisory Committee
FROM: David Spiegel, PE
DATE: November 14, 2018
SUBJECT: Zone 3 Projects Update

Project Updates:

- Equipment Audit & Replacement – Ongoing (No Change)
 - Work proposed to continue in 2018/19
- Spillway Assessment
 - GEI performed onsite assessment
 - Desktop assessment of structural integrity and probable maximum flood (PMF) in progress
- Lopez Dam and Terminal Dam Hazard Classification – (No Change)
 - Inundation Maps have been submitted to DSOD for review
 - Emergency Action Plans are in preparation
- Structural Assessment of Terminal Reservoir Dam
 - Received one quote for geological investigation
 - Budgeted for 19/20
- Fault Zone Assessment – Dam Left Abutment
 - Preliminary engineers estimate has been prepared
 - Under review for budgeting and priority
- Equipment Storage – (No Change)
 - On hold pending Terminal Reservoir Dam geotechnical investigation
- Lopez WTP Safety Upgrades – (No Change)
 - Implementation of safety railings and catwalks in DAF building in progress
- Domestic and Fire Tank
 - Collings and Associates is scheduled for required fire flow storage assessment
 - Repairs will be dependent on assessment
- Rebuild Membrane Feed Pumps (1 per year) (No Change)
 - Second pump is being scheduled for removal and rebuilding in the Fall after high demands subside
 -
- Lopez Leach Field Replacement
 - Geosolutions is scheduled for percolation investigation for siting of new leach field



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

- Existing Bypass Pipeline Condition Assessment
 - Camera Access is being established to perform a visual inspection of the interior of the pipeline

Upcoming Projects (Requested FY 2018/19):

- Cathodic Protection Survey
- Ammonia Analyzer (2nd)
- Water Treatment Alternatives Study – Taste and Odor
- Improved Boat Access

Completed Projects

- Sludge Bed Cleanout Repair – 4 total
- Turnout SCADA Project
- Ammonia Analyzer
- Sludge Repair on 4A
- Pressure Transducers
- Turnout Flow Meters
- Static Mixer

Notes:

- 0 Inflation is 5% per year after original estimate unless noted otherwise
- 1 For unanticipated purchases of equipment that fail during the fiscal year. Including this line item in the budget allows for immediate purchase of critical equipment that unexpectedly fails during the fiscal year. Amount increased starting 17/18 to include those items noted in Equipment Audit reports; amortized at \$30,000/yr.
- 2 Completion of plant system audit to determine scope of replacement/upgrades and costs. The estimate is based upon prior years expenses and the FY1617 budget allocation of \$25,000.
- 3 Safety upgrades as described in "Fall Hazard Survey" Nov 2016. DAF building safety upgrades 18/19 and Membrane Building safety upgrades 19/20.
- 4 Operations staff to research options for new carbon system that is non-auger in 19/20. May not need this or scope could change depending on what is chosen for Water Treatment Alternative see note 25. Budget in 20/21 for new system when estimates are known.
- 5 Structural assessment of the terminal reservoir completed in 2018 (Rizzo) but with limited geological data. Recommend additional field exploration to obtain core samples. Estimated cost \$90,000.
- 6 Conduct a survey of the distribution system to determine locations, if any, where the steel pipeline is at risk of corrosion. ~\$45k was re-allocated to the vac trailer project to make up for underfunding for 17-18 therefor an additional ~\$45k was budgeted for 18-19 for the Cathodic protection.
- 7 Rebuild pump, this is the last one of 2 others were previously re-built.
- 8 Geologic study completed by Rizzo(2018), study recommends removal of loose material and placement of rock anchors to stabilize slope. If slope fails study says no damage to left abutment but material could slide down over the abutment. Very high cost to install suggested repair. Need to prioritize with TAC's input.
- 9 Funds requested to begin implementing repairs to Domestic and Fireflow tanks identified per Tank inspection report Nov. 2016 by ATI. Fireflow quantity assessment by Fire Engineer is to be completed in Jan. 2019, results of study will help to determine scope of work for tank repairs in 19/20. Costs could range from \$100K to \$800K depending on results of fireflow analysis, see estimates on tab below. Budgeting \$100,000 in 19/20 to allow for the domestic tank repairs of ~ \$80,000, any unspent will be used on the fireflow tank if needed.
- 10 Project Scoping planned for FY 2018/19. Project scope and location dependent on findings of terminal reservoir structural assessment. Low priority in terms of spillway work and other potential high budget items like tank repairs. Total project cost to be determined during design phase, and construction to be scheduled in subsequent year.
- 11 Install two (2) new ammonia analyzers. Anticipated to be completed in 18/19.
- 12 Install Hypoboost station at Port/Avila to inject additional chlorine to obtain higher residuals of chlorine in the long dead end line. QR purchase portable piece of equipment that could be used to inject chlorine more frequently to burn out the line.
- 13 Design and initial environmental studies and permitting planned for FY 2018/19. Unspent funds will roll forward for construction.
- 14 Repair sludge beds #1 under drains with stronger perforated pipe (SDR 35) approximately 600 LF. Quote from R. Baker \$17540*3.4% OH + \$4000 for crushed rock. Sludge bed #2 was previously repaired 2 years ago.
- 15 Replacement of Membrane Racks (Pall), installed in 2007 design life is 10 to 20 years. First racks could need replacement in 20/21. Cost based on \$2000 per module 64 modules per rack, repair 2 racks each time. 3.4y
- 16 Install and replace security fence around west side of terminal reservoir and water treatment plant property. Phasing dependent upon available funding.
- 17 Crane/hoist system options assessment at membrane pumps.
- 18 Per TAC 2018, need for pigging of pipe only to increase capacity. Due to recent drought demand by contractors it is not anticipated to reach pre drought levels so priority for this project is low. No additional money to be requested until further notice. Scope of work is Pig 33"/30" pipe per WSC's recommendations.
- 19 Install drainage improvements to capture and divert Orcutt Road runoff to prevent contamination of Lopez Terminal Reservoir. Project dependent upon available external/grant funding.
- 20 Replace existing contact basin covers with more efficient lighter weight covers. Estimated cost \$30,000
- 21 Operations staff suggests removing concrete wall between sludge beds 3 & 4 due to high maintenance issues with liner tearing and maneuvering equipment in the smaller beds. Quote r'cvd for 11,615*3.4% = \$12000
- 22 TAC requested additional evaluation of the existing bypass pipeline. In process of determining feasibility of pressure testing existing pipeline. If cost is greater than \$20K return to TAC for further discussion.
- 23 Contributions toward the Agency Funded Reserves accumulate for the purpose of funding replacement of equipment and capital outlays at the treatment plant.
- 25 Study alternatives to improve water treatment ie. Ozon, floating solar at intake, aeration at intake, or Hydrogen Peroxide treatment?? Could be used for a pilot ozone project as well.
- 26 Based on Water treatment alternatives study, implement recommendation. No estimates at this time.
- 27 Physical investigation of spillway may be necessary pending results of the non-destructive testing in FY 18-19. This work could occur in FY 18-19 using reserves.
- 28 Repairs to Spillway based on results of the non-destructive and physical investigation occurring in FY 18-19 and required by DSOD.



November 15, 2018

TO: Flood Control Zone 3 Advisory Committee
FROM: Ray Dienzo, Public Works - Water Resources Senior Engineer
SUBJECT: Cloud Seeding Cost Summary

Summary

The following tables below summarize the estimated costs of a potential cloudseeding program. These estimates are excerpted from the Cloud Seeding Feasibility Study that was released on March 2017 (Study). Tables 1-4 show the cost estimates of ground, air and ground-air combo program. For ground sites, Table 1 shows start up costs for site surveys, securing easements, preparing the sites, installing and testing. Tables 2-4, shows yearly program costs of Ground stations only, Aircraft only, and Combination Ground-Aircraft. Note that there are fixed and reimbursable cost components to the programs. For instance, if there are not enough rain seeding events, then flight hours or flares that are unused would be reimbursed.

Ground stations would take more time to implement due to planning and construction. Choosing this option would probably take year to implement. Aircraft only option as shown in Table 3, can be implemented in the first available rain season after project approval. Also, there are potential partnering opportunities with neighboring agencies such as County of Santa Barbara that would reduce the costs.

Table 1. Start up Costs - Ground Sites	Costs
Site Surveys, Leases, etc.	\$ 15,000
Four Ground Based Units - Fabrication, Installing and Testing - @\$30K each	\$ 140,000
Total	\$ 155,000

Table 2. Yearly Program Costs - Five Month with 4 Ground-sites only	Costs
Set up, Take-down, and Reporting	\$ 25,000
Five month fixed costs @\$13K each	\$ 65,000
Reimbursable costs - 200 ground flares at \$90/flare	\$ 18,000
Total	\$ 108,000

Table 3. Yearly Program Costs - Five Month Aircraft Only	Costs
Set up, Take Down, and Reporting	\$ 53,000
Airborne operation, five month fixed cost @\$30K/month	\$ 150,000
Reimbursable Costs - 80 flight hours@\$550/hour	\$ 44,000
Reimbursable Costs - 60 hours airborne seeding @4 flares/hour, @\$90/flare	\$ 21,600
Total	\$ 268,600

Table 4. Yearly Program Costs - Combination Five Month Ground and Three Month Aircraft	Costs
Set up, Take Down, and Reporting	\$ 66,000
Ground operations, two month fixed cost @\$13K	\$ 26,000
Ground and Airborne operations, three months fixed costs @\$44K	\$ 132,000
Reimbursable costs - 50 flight hours @\$550/hr	\$ 27,500
Reimbursable costs - 40 hours airborne seeding, 4 flares/hr, @\$90/flare	\$ 15,200
Reimbursable costs - 200 ground flares @\$90/flare	\$ 18,000
Total	\$ 284,700

Tables A and B show the estimated flow increases to the Salinas and Lopez watersheds with 9% or 17% rain increases from cloud seeding. The Study also states that a 9% rain increase can be expected from Ground Stations only. And 17% rain increase would more likely result from the combination ground station and aircraft option. The aircraft only option would likely yield results somewhere between the 9-17% projection.

Staff recommend the Aircraft only option as summarized in Table 3. This option would increase precipitation with minimal implementation time, and readily provide partnering opportunities.

Table A. Estimated Increased Flows assuming 9% Rainfall Increase		
Salinas Reservoir	3,100	AF
Salinas - creeks and tributaries	2,334	AF
Total Salinas Increase	5,434	AF
Lopez Reservoir	2,926	AF
Lopez - creeks and tributaries	2,203	AF
Total Lopez Increase	5,129	AF
Overall Increase	10,563	AF

County of San Luis Obispo Department of Public Works

Table B. Estimated Increased Flows assuming 17% Rainfall Increase		
Salinas Reservoir	5,855	AF
Salinas - creeks and tributaries	4,579	AF
Total Salinas Increase	10,434	AF
Lopez Reservoir	5,527	AF
Lopez - creeks and tributaries	4,322	AF
Total Lopez Increase	9,849	AF
Overall Increase	20,283	AF

County of San Luis Obispo Department of Public Works



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

AGENDA

Thursday, November 15, 2018 6:30 P.M.

City of Arroyo Grande Council Chambers

300 East Branch Street, Arroyo Grande, California 93420

- I. CALL TO ORDER AND ROLL CALL
- II. PUBLIC COMMENT
This is an opportunity for members of the public to address the Committee on items that are not on the Agenda
- III. APPROVAL OF MEETING MINUTES OF SEPTEMBER 20, 2018
- IV. APPROVAL OF 2019 MEETING SCHEDULE
- V. OPERATIONS REPORT
 - A. Water Plant Operations, Reservoir Storage, Downstream Releases
 - B. Projected Reservoir Levels
 - C. September & October Monthly Operations Report
- VI. INFORMATION ITEMS
 - A. Climate Update
 - B. Lopez Spillway Assessment Update
 - C. 1st Quarter Budget Status
 - D. Cloud Seeding Update
 - E. Low Reservoir Response Plan Revisions Update
- VII. CAPITAL PROJECTS UPDATE
 - A. Bi-Monthly Update
- VIII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- IX. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
- X. FUTURE AGENDA ITEMS
 - A. Contract Changes
 - B. Cloud Seeding
 - C. Revisions to the Low Reservoir Response Plan (LRRP)
- XI. COMMITTEE MEMBER COMMENTS

Next Regular Meeting is Tentatively Scheduled for
January 17, 2019 at 6:30 PM at City of Grover Beach Council Chambers
Agendas accessible online at SLOCountyWater.org

**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY COMMITTEE
DRAFT MEETING MINUTES
THURSDAY SEPTEMBER 20, 2018**

- I. Call to Order and Roll Call** -- The Zone 3 Advisory Committee Meeting was called to order at 6:30 PM at the Grover Beach City Hall by Committee Chair and Member at Large Representative, Jim Garing.

County Public Works Utilities Division Program Manager and Secretary to the Advisory Committee, Andrea Montes, called roll. Members in attendance were:

- Brad Hagemann, Avila Beach Community Services District
- Kristen Barneich, City of Arroyo Grande
- Marcia Guthrie, City of Pismo Beach
- Vard Ikeda, Agriculture Representative
- Jeff Lee, City of Grover Beach
- Jim Garing, Member at Large
- Shirley Gibson, Oceano Community Services District

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- II. Public Comment** -- Ms. Montes introduced Colt Esenwein, the County Department of Public Works Director hired in April 2018. Mr. Esenwein indicated he's worked with Santa Cruz County as Assistant Director; Stanislaus County; City of Stockton; and Navy as a Civilian and Nuclear Sub Reactor Operator. He shared that he values integrity and teamwork.

Chairman Garing introduced Shirley Gibson, who is the new Oceano Community Services District representative.

- III. Approval of Meeting Minutes of July 19, 2018** -- Ms. Montes noted that Member John King, who attended the July 19 meeting was representing County Service Area 12, rather than Avila Beach Community Services District as referenced in the July 19 meeting minutes. Member Barneich motioned approval; Member Lee second approval of the minutes, as amended. Member Garing abstained as he was absent from the July 19 meeting. Quorum was met, motion passed.

IV. Operations Report

A. Water Plant Operations, Reservoir Storage, Downstream Releases -- Ms. Montes indicated: Lopez Lake elevation was 483.66 feet; storage was 21,501 acre-feet (AF), which is 44% capacity; rainfall to date, since July 1, 2018, was 0 inches; plant production was 5.0 million gallons per day (MGD); downstream release was 4.0 MGD; and State Water was 0.70 MGD.

No public comment was given.

B. Projected Reservoir Levels Jill Ogren, Hydraulic Engineer with the Public Works Utilities Division, indicated Zone 3 water customers are using more water than historically used. This factor, combined with no rainfall, indicates the Lopez Reservoir

level could be down to 20,000 AF in November or December--low enough to re-enter into the Low Reservoir Response Plan (LRRP).

No public comment was given.

C. July & August Monthly Operations Report -- Ms. Ogren indicated the total water deliveries, including State Water, for the month of July was 521 AF. The total water deliveries for the month of August was 514 AF. According to Ms. Ogren, Flood Control Zone 3 Agencies are still using "Entitlement" water, which is used first. "Surplus" water is used second. Ms. Ogren stated she does not expect Agencies to use "Surplus" water until January 2019.

No public comment was given.

V. Information Items

A. Climate Update -- Ms. Montes indicated that according to the United States Drought Monitor, the County continues to experience abnormally dry, moderate drought and severe drought conditions as it has since March of this year. According to National Oceanic and Atmospheric Administration, there was a 70 to 80% chance of above average temperatures for September when compared to the month of September in prior years. There were equal chances of below average, average and above average rainfall forecasted for September when compared to September in prior years.

No public comment was given.

B. Lopez Spillway Assessment Update -- Ms. Ogren gave an update of the Department of Water Resources (DWRs') Division Safety of Dams' (DSODs') required assessment of the Lopez Spillway, in response to the Oroville Dam failure.

Ms. Ogren stated the assessment bid was awarded to GEI Consultants, who began the physical assessment of the spillway in August and were preparing the report to be completed by the end of December 2018.

C. Low Reservoir Response Plan Update -- Ms. Ogren indicated the Zone 3 Technical Advisory Committee (TAC) comprised of technical operations staff from Zone 3 Agencies, decided to pursue revisions the LRRP. A consultant was hired to develop proposed revisions to the LRRP which the TAC has approved. County Counsel reviewed the proposed revisions and directed staff to create a water supply contract amendment to revise the LRRP. Meanwhile, the previous LRRP is in place and can be enacted when the Lopez Reservoir hits 20,000 AF and/or when the County Board of Supervisors (BOS) declares a local emergency. Discussion occurred regarding water storage models. Ms. Ogren indicated the TAC is discussing storage model options.

D. 4th Quarter Budget Status -- County Public Works Finance Division and Flood Control Zone 3 Accountant, Kristi Smith, distributed the 4th Quarter Fiscal Year 2017/18 (FY 17/18) budget report for Flood Control Zone 3. Ms. Smith indicated expenses through June 30, 2018 (the end of FY 17/18) totaled 84% of the annual FY budget, leaving a budget of approximately \$895,000. Of this amount, over \$700,000 will be carried into FY 2018/19 for ongoing efforts and projects.

Ms. Smith reviewed graphs and indicated at the end of the FY:

- Routine Operations and Maintenance (O&M) costs totaled 106% of the OM budget, resulting in a deficit of approximately \$241,000 due to labor costs associated with Lopez Water Treatment Plant staff who were relieved of wastewater duties and were able to spend more working hours focused on drinking water duties, in addition to the repair of a standby generator;
- Non-Routine O&M costs created a deficit of \$97,000 due to unbudgeted work efforts, with \$454,000 to be carried forward to FY 2018/19 for continued work with the Lopez Water Rights/Habit Conservation Plan (HCP) and pigging projects; and
- Capital Outlay costs totaled 35% of the budget, with a balance of \$516,135 due to completed project savings, and approximately \$263,000 carried forward to FY 2018/19.

Ms. Smith indicated all Zone 3 Agencies were current on their payments. The estimated billings for FY 2017/18 totaled \$322,628 which will be allocated and billed to the agencies, mailed with the 2nd installment of the FY 2018/19 billings due January 1, 2019.

No public comment was given.

D. Cloud Seeding Update -- Mr. Esenwein provided a brief update of the cloud seeding program. He indicated Public Works Staff spoke with District Supervisors and a date was set to present the cloud seeding program to the BOS and members of the public; however, the item was pulled in order to gather more information, support and funding for the item. He further indicated the City of San Luis Obispo is not interested in the program, leaving only the Zone 3 water contractors interested. Mr. Esenwein asked for direction from the Advisory Committee Members on further exploring the program and moving forward with it. After some discussion, the Committee advised Mr. Esenwein to move forward with gathering information related to the program costs directed towards Zone 3 Agencies only and bringing the information back to the Committee.

VI. Capital Projects Update

A. Bi-Monthly Update -- Ms. Ogren presented a brief update of the Capital Projects listed below.

- **Spillway Assessment** -- Due to be completed February 2019 in accordance with approved DSODs' work plan.
- **Lopez Dam & Terminal Dam Hazard Classification** -- The draft inundation maps for the both dams were submitted to the DSOD for approval. Completed Emergency Action Plans will be submitted once the inundation maps are approved.
- **Structural Assessment of Terminal Reservoir Dam** -- Preliminary findings suggested additional geotechnical investigation needs to be completed to understand the soil below the terminal reservoir. Quotes were being gathered.
- **Fault Zone Assessment Dam Left Abutment** -- Erosion at the left abutment occurred and was assessed. Results showed insignificant erosion to dam; however, erosion will be addressed.
- **Equipment Storage at Lopez Water Treatment Plant** -- Project is on hold due to the investigation of terminal dam, where the storage unit might be placed.

- **Lopez Water Treatment Plant Safety Upgrades** -- Upgrades are ongoing and in response to a 2016 safety assessment at the Plant.
- **Domestic and Fire Flow Tanks Repair at Lopez Water Treatment Plant** -- Options being explored to replace fire tanks.
- **Rebuild Membrane Feed Pumps** -- One pump per year is being replaced as part of regular maintenance and repairs of aging equipment.

Ms. Ogren reviewed upcoming projects listed below.

- **Cathodic Protection Survey** -- May or may not result in future work to be completed.
- **Lopez Water Treatment Plant Leach Field Repair/Replacement**
- **Ammonia Analyzer** -- One aging ammonia analyzer (equipment) was replaced, and another will be replaced as part of regular maintenance and repairs of aging equipment.
- **Water Treatment Alternatives Study -- Taste and Odor**
- **Improved Boat Access**

Existing Bypass Pipeline Condition Assessment -- Investigating possibility of using an existing backup pipeline to deliver State Water.

No public comment was given.

VII. Action Items (No Subsequent Board of Supervisors Action Required)

A. Strategy for Use of District Designated Reserves -- Ms. Smith reminded the Committee of the three (3) Flood Control Zone 3 reserve funds: 1.) Contractor Funded Reserves (financed and used by Zone 3 agencies to stabilize billings in years with higher capital needs); 2.) District Funded Operating Reserves (held at approximately 50% of Routine O&M); and 3.) District Funded Designated Reserves (set aside for significant maintenance and operational costs).

Ms. Smith indicated \$516,135 remained of the FY 2017-18 District Funded Designated Reserves following the completion of the Lopez Water Treatment Plant PH Suppression Project. In May, the Committee indicated using these savings to replace reserves and offset the 2017-18 final bill to Zone 3 agencies.

She presented the Committee two (2) options:

Option 1 -- replace the entire \$48,000 spent from the Contractor Reserves back to Contractor Reserves; replace \$280,500 to District Designated Reserves and partially offset the FY 2017-18 final bill to Zone 3 Agencies, bringing the total bill to \$135,000, to be spread across the Cities of Arroyo Grande, Grover Beach, Pismo Beach, County Service Area 12, and Oceano Community Services District.

Option 2 -- replace the entire \$48,000 spent from the Contractor Reserves back to Contractor Reserves; replace \$145,500 to District Designated Reserves and fully offset the FY 2017-18 final bill to Zone 3 agencies, resulting in the Zone 3 Agencies not receiving a bill.

According to Ms. Smith, the TAC recommended Option 2. She indicated the Committee could choose to allocate the District Funded Designated Reserves

however they'd like. Their decision would not require BOS approval since the BOS had already approved the Flood Control Zone 3 District Funded Designated Reserves budget.

If Option 1 was chosen, the total earmarked money in District Funded Designated Reserves would be \$791,447.

If Option 2 was chosen, the total earmarked money in District Funded Designated Reserves would be \$656,447.

The Committee discussed the unknowns of the DSODs' assessment of the Lopez Dam Spillway and potential funding needed for cloud seeding. After further discussion, the Committee members agreed to email Ms. Smith within one (1) week with their choice of Option 1 or Option 2, majority rule.

VIII. Action Items (Board of Supervisors Action is Subsequently Required)

None discussed

IX. Future Agenda Items -- The Committee agreed to remove the "Lopez Lake Safe Yield" item and replace with "Contract Changes". The items below will remain:

- **Cloud Seeding**
- **Revisions to the Low Reservoir Response Plan (LRRP)**

X. Committee Member Comments -- Member Lee mentioned both the Grover Beach Finance Manager, as well as the City Clerk will be retiring. Member Gibson mentioned the Oceano Community Services District will soon have three (3) new board members.

Meeting Adjourned at 7:59 PM

Respectfully Submitted,

Andrea M Montes
County of San Luis Obispo Public Works Department

**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY AND TECHNICAL ADVISORY COMMITTEES**

2019 MEETING SCHEDULE

Date	Group	Location¹	Purpose
Jan 9, 2019	TAC ²	Arroyo Grande, 9:00 AM	Discuss proposed FY19/20 budget
Jan 17, 2019	Advisory Committee	Grover Beach, 6:30 PM	Distribute proposed FY19/20 budget
Feb 13, 2019	TAC	Arroyo Grande, 9:00 AM	Distribute proposed FY 19/20 budget
Mar 13, 2019	TAC	Arroyo Grande, 9:00 AM	Budget discussion/recommendation; present estimated surplus water quantity available in 19/20
Mar 21, 2019	Advisory Committee	Arroyo Grande, 6:30 PM	Present 2 nd quarter FY 18/19 budget status; present proposed FY19/20 budget; endorse FY19/20 budget; present estimated surplus water quantity available in WY19/20
Apr 10, 2019	TAC	Arroyo Grande, 9:00 AM	Present actual surplus water quantity available in WY 19/20
May 8, 2019	TAC	Arroyo Grande, 9:00 AM	
May 16, 2019	Advisory Committee	Pismo Beach, 6:30 PM	3 rd Quarter Budget Status
Jun 12, 2019	TAC	Arroyo Grande, 9:00 AM	
Jul 10, 2019	TAC	Arroyo Grande, 9:00 AM	
Jul 18, 2019	Advisory Committee	Oceano CSD, 6:30 PM	Officer Rotations
Aug 14, 2019	TAC	Arroyo Grande, 9:00AM	
Sep 11, 2019	TAC	Arroyo Grande, 9:00 AM	Request Water Delivery Schedule - due Oct 1
Sep 19, 2019	Advisory Committee	Grover Beach, 6:30 PM	4 th Quarter Budget Status
Oct 9, 2019	TAC	Arroyo Grande, 9:00 AM	
Nov 13, 2019	TAC	Arroyo Grande, 9:00 AM	Discuss proposed CIP projects for next FY
Nov 14, 2019	Advisory Committee	Arroyo Grande, 6:30 PM	1 st Quarter Budget Status
Dec 11, 2019	TAC	Arroyo Grande, 9:00 AM	Distribute Water Delivery Schedule by Jan 1

¹ All locations noted are at City Hall or Oceano Community Services District Board Chambers unless otherwise noted

² TAC - Technical Advisory Committee



November 15, 2018

MEMORANDUM

TO: Flood Control Zone 3 Advisory Committee
FROM: Kristi Smith, Accountant
SUBJECT: Flood Control Zone 3, First Quarter Budget Status, Fiscal Year 2018-19

Recommendation

The item to be received and filed.

Summary

Attached please find the comparison of the budget to actual expenses for the first quarter of fiscal year 2018-19. The \$5.4M budget is broken into three categories: Routine Operations & Maintenance, Non-Routine Operations & Maintenance, and Capital Outlay. At the end of the first quarter, 16% of the annual budget has been expended.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
5,476,793	883,433	4,593,360	16%

Routine O&M: This category has a budget of just under \$4M dollars. At the end of the first quarter, 21% of the annual budget has been expended, resulting in approximately \$3.1M available for the remainder of the year. Expenses in this category are on target with budgeted levels.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
3,961,768	845,401	3,116,367	21%

Non-Routine O&M: This category has a budget of \$762,377. At the end of the first quarter, 5% of the annual budget has been expended, resulting in an available balance of \$724,452 for the remainder of the year. Roughly half of the available balance is budget that has been carried forward from prior years for the Lopez Water Rights/Habitat Conservation Plan (HCP) and Pigging.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
762,377	37,925	724,452	5%

Capital Outlay: This category has a budget of \$752,648. At the end of the first quarter, expenses were essentially 0% of the annual budget, resulting in \$752,541 available for the remainder of the year. Unspent budget from the prior year has been carried forward for many projects and accounts for roughly a third of the available balance.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
752,648	107	752,541	0%

Other Agency Involvement/Impact

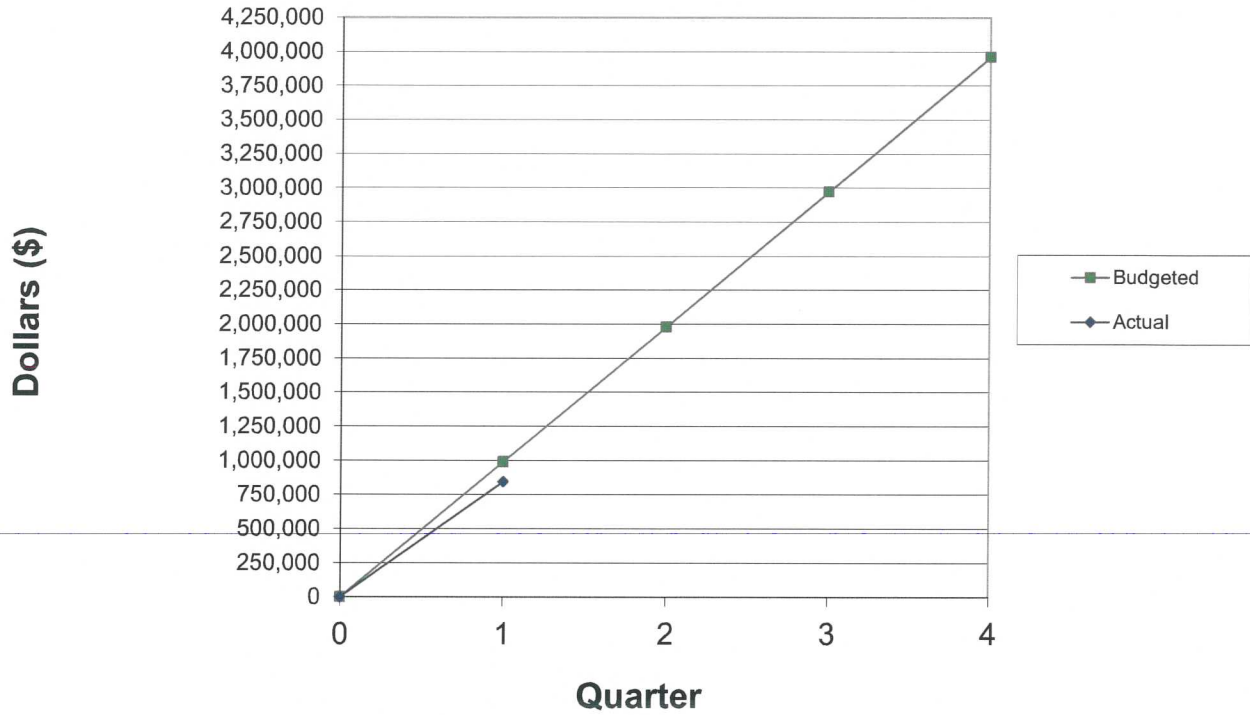
The agencies involved are: City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, Oceano Community Services District, and County Service Area 12. Subcontractors of CSA 12 include Port San Luis Harbor District and Avila Beach Community Services District.

Financial Consideration

All agencies are current on their payments. Earlier this month, the revised billings for FY 2017-18 were mailed along with the 2nd installment of the FY 2018-19 billings. Payment are due January 1, 2019.

Zone 3 Budget Status
1st Quarter FY18/19

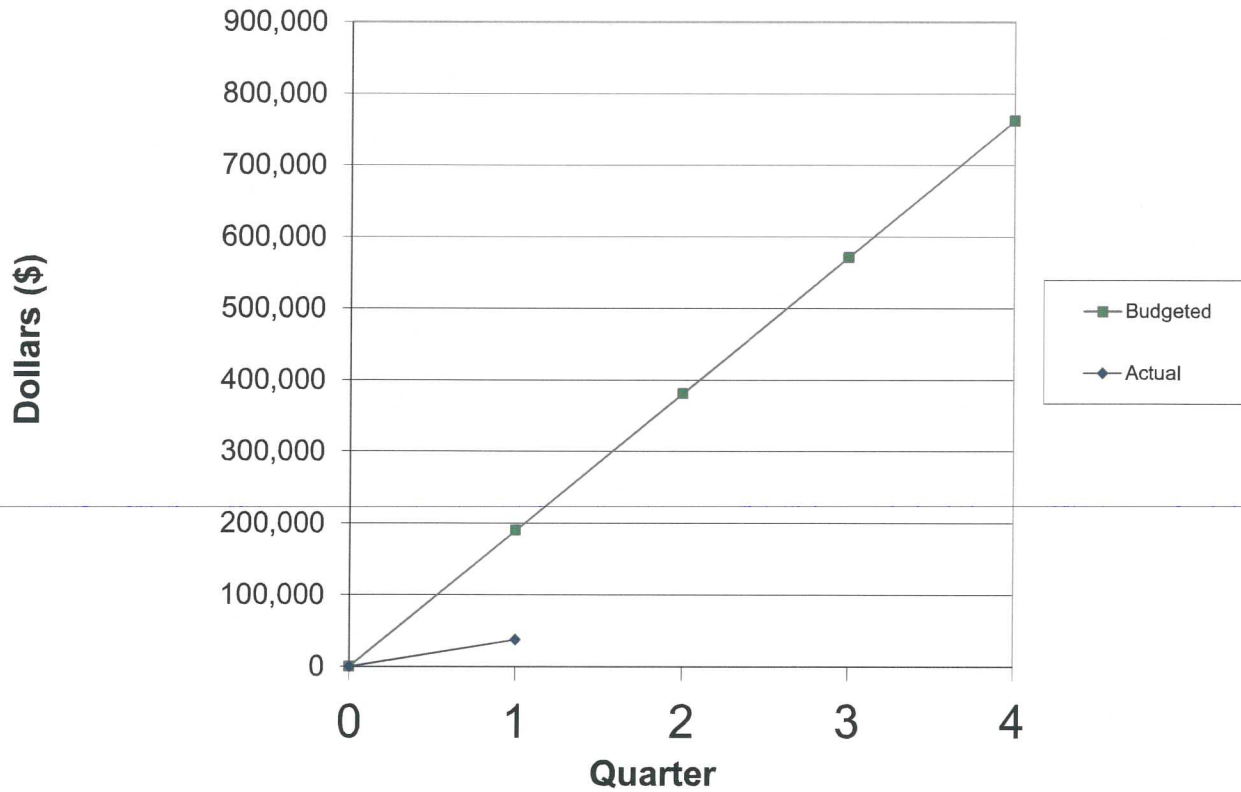
Routine Operation and Maintenance



O&M Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Labor Hours	24,926	4,902	-	-	-	4,902	20%	
Chemicals - Water Treatment Plant	\$ 232,174	\$ 104,864	\$ -	\$ -	\$ -	\$ 104,864	45%	\$ 127,311
Water Quality Testing - Treatment Plant	56,120	12,439	-	-	-	12,439	22%	43,681
Electricity - Water Treatment Plant	128,898	83,921	-	-	-	83,921	65%	44,977
All Other Costs - Water Treatment Plant	2,019,164	388,885	-	-	-	388,885	19%	1,630,279
Terminal	156,872	37,295	-	-	-	37,295	24%	119,577
Main Dam	301,828	60,538	-	-	-	60,538	20%	241,290
Other	1,066,712	157,459	-	-	-	157,459	15%	909,253
Expenses		845,401	-	-	-	845,401	21%	3,116,367
Budget	3,961,768	990,442	990,442	990,442	990,442	3,961,772		
Variance (over)/under		145,041	990,442	990,442	990,442	3,116,367		
% Variance		15%	100%	100%	100%			

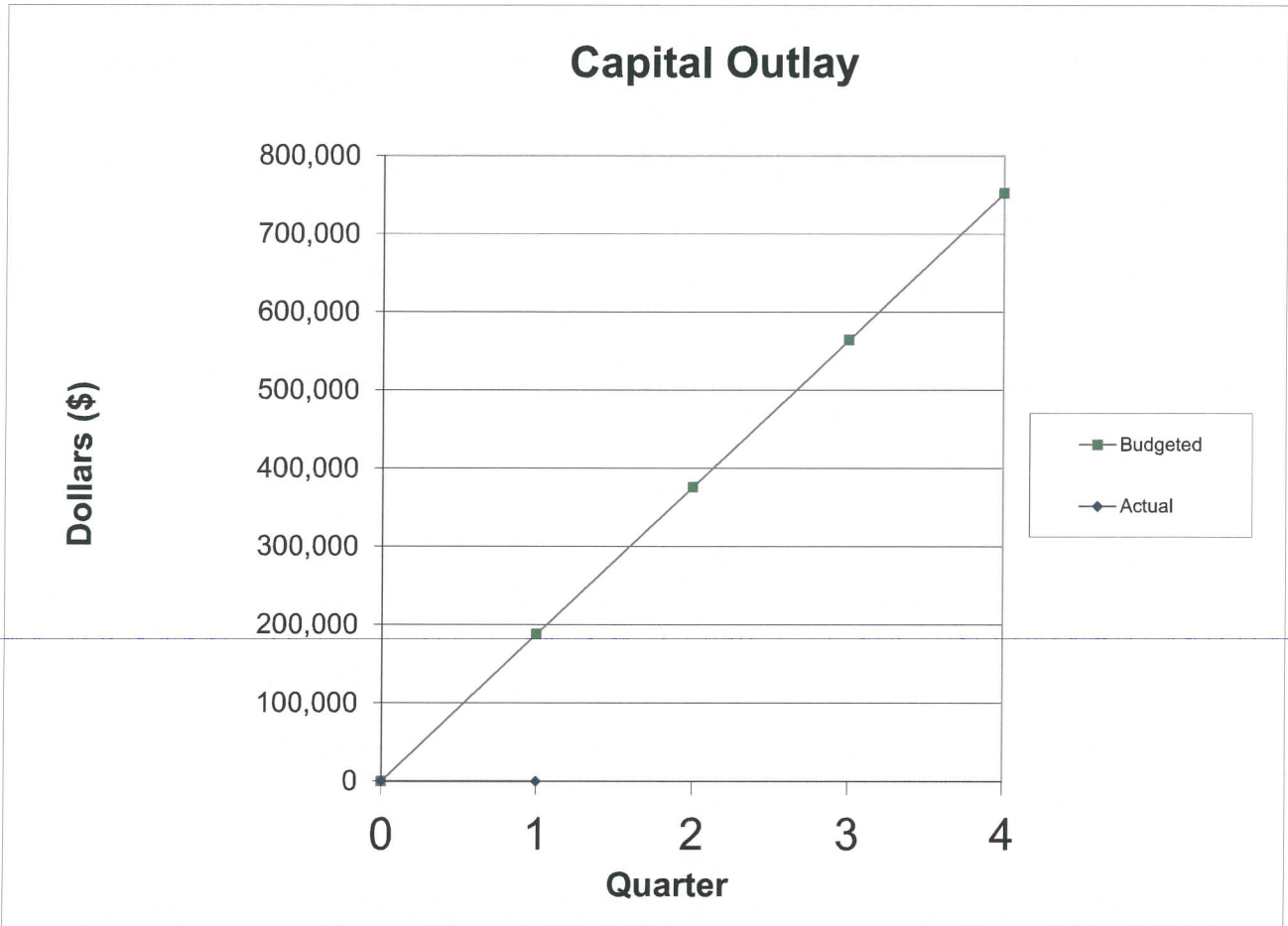
Zone 3 Budget Status
1st Quarter FY18/19

Non-Routine Operation and Maintenance



O&M Non Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Lopez Water Rights IHCP	\$ 324,482	\$ 864	\$ -	\$ -	\$ -	\$ 864	0%	\$ 323,618
Pigging-Unit B	89,503	-	-	-	-	-	0%	89,503
Contribution to ISF for Shared New Equip	23,867	-	-	-	-	-	0%	23,867
Santa Maria Groundwater Basin Modeling	70,311	-	-	-	-	-	0%	70,311
Spill Prevention Valve #5 & #11 Reple	40,000	-	-	-	-	-	0%	40,000
5 Cities Stormwater Resource Plan	99,875	-	-	-	-	-	0%	99,875
Other	114,339	37,061	-	-	-	37,061	32%	77,278
Expenses		37,925	-	-	-	37,925	5%	724,452
Budget	762,377	190,594	190,594	190,594	190,594	762,377		
Variance (over)/under		152,669	190,594	190,594	190,594	724,452		
% Variance		80%	100%	100%	100%			

Zone 3 Budget Status
1st Quarter FY18/19



Capital Outlay Projects	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Cathodic Protection Maint	154,172	-	-	-	-	-	0%	154,172
Dam Intake Fac & Op Assessment	20,899	-	-	-	-	-	0%	20,899
Pressure Transducers	1,250	107	-	-	-	107	9%	1,143
Geologic Assessment Fault Zn Lft Abtmt	12,691	-	-	-	-	-	0%	12,691
Domestic & Fireflow Tank Assessment	48,114	-	-	-	-	-	0%	48,114
Safety Upgrades to WTP	30,000	-	-	-	-	-	0%	30,000
Rebuild Membrane Feed Pumps	44,064	-	-	-	-	-	0%	44,064
Power Monitoring	30,000	-	-	-	-	-	0%	30,000
Improved Boat Access at Term Res	50,000	-	-	-	-	-	0%	50,000
Ammonia Analyzer Equip Repl	36,609	-	-	-	-	-	0%	36,609
Repair Fault Zone Left Dam Abutment	180,000	-	-	-	-	-	0%	180,000
Equip Storage Bldg 4-Bay PreFab	89,849	-	-	-	-	-	0%	89,849
Various Equipment Replacement	55,000	-	-	-	-	-	0%	55,000
Expenses		107	-	-	-	107	0%	752,541
Budget	752,648	188,162	188,162	188,162	188,162	752,648		
Variance (over)/under		188,055	188,162	188,162	188,162	752,541		
% Variance		100%	100%	100%	100%			



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

SPECIAL MEETING AGENDA

Thursday, November 29, 2018 6:30 P.M.

City of Arroyo Grande Council Chambers

300 East Branch Street, Arroyo Grande, California 93420

I. CALL TO ORDER AND ROLL CALL

II. PUBLIC COMMENT

This is an opportunity for members of the public to address the Committee on items that are not on the Agenda

III. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)

- A. Motion to pursue a Cloud Seeding Program for the Winter of 2018/19, contingent on Board of Supervisors' approval and certification of a Mitigated Negative Declaration for the Cloud Seeding Program

IV. COMMITTEE MEMBER COMMENTS

Next Regular Meeting is Tentatively Scheduled for
January 17, 2019 at 6:30 PM at City of Grover Beach Council Chambers
Agendas accessible online at SLOCountyWater.org



November 29, 2018

TO: Flood Control Zone 3 Advisory Committee

FROM: Ray Dienzo, Public Works - Water Resources Senior Engineer

SUBJECT: Cloud Seeding Program Update, Cost Summary, and Recommendation

Recommendation

It is recommended that the Zone 3 Advisory Committee vote to pursue a Cloud Seeding Program for the Winter of 2018/19, consisting of aircraft only for a 5-month period at an estimated cost of ~\$300,000 contingent on the Board of Supervisors' approval and certification of a Mitigated Negative Declaration for the Cloud Seeding Program. The Zone 3 Technical Advisory Committee unanimously endorsed the above recommendation at their November 14, 2018 meeting.

Discussion

A potential cloud seeding program was introduced at the November 15, 2018 Zone 3 Advisory Committee meeting. The Committee concluded more information and discussion was needed to make a more informed recommendation. Although the recommendation at tonight's Special Meeting has not changed from the November 15th meeting, County Public Works Staff will provide a more detailed presentation to the Committee and address some concerns that were raised.

The tables below summarize the estimated costs of a potential cloudseeding program. These estimates are excerpted from the Cloud Seeding Feasibility Study that was released on March 2017 (Study). Tables 1 - 4 show the cost estimates of ground, air, and ground-air combo program. For ground sites, Table 1 shows start up costs for site surveys, securing easements, preparing the sites, and installing and testing. Tables 2 - 4, show yearly program costs of ground stations only, aircraft only, and combination ground-aircraft. Note there are fixed and reimbursable cost components to the programs. For instance, if there are not enough rain seeding events, then flight hours or flares that are unused would be reimbursed.

Ground sites would take more time to implement due to planning and construction. Choosing this option would likely take one year to implement. The aircraft only option as shown in Table 3, can be implemented within the first available rain season after project approval. Also, there are potential partnering opportunities with neighboring agencies, such as the County of Santa Barbara, that would reduce the costs.

Table 1. Start up Costs - Ground Sites	Costs
Site Surveys, Leases, etc.	\$ 15,000
Four Ground Based Units - Fabrication, Installing and Testing - @\$30K each	\$ 140,000
Total	\$ 155,000
	Costs

Table 2. Yearly Program Costs - Five Month with 4 Ground-sites only		
Set up, Take-down, and Reporting		\$ 25,000
Five month fixed costs @\$13K each		\$ 65,000
Reimbursable costs - 200 ground flares at \$90/flare		\$ 18,000
	Total	\$ 108,000

Table 3. Yearly Program Costs - Five Month Aircraft Only		Costs
Set up, Take Down, and Reporting		\$ 53,000
Airborne operation, five month fixed cost @\$30K/month		\$ 150,000
Reimbursable Costs - 80 flight hours@\$550/hour		\$ 44,000
Reimbursable Costs - 60 hours airborne seeding @4 flares/hour, @\$90/flare		\$ 21,600
	Total	\$ 268,600

Table 4. Yearly Program Costs - Combination Five Month Ground and Three Month Aircraft		Costs
Set up, Take Down, and Reporting		\$ 66,000
Ground operations, two month fixed cost @\$13K		\$ 26,000
Ground and Airborne operations, three months fixed costs @\$44K		\$ 132,000
Reimbursable costs - 50 flight hours @\$550/hr		\$ 27,500
Reimbursable costs - 40 hours airborne seeding, 4 flares/hr, @\$90/flare		\$ 15,200
Reimbursable costs - 200 ground flares @\$90/flare		\$ 18,000
	Total	\$ 284,700

Tables A and B show the estimated flow increases to the Salinas and Lopez watersheds with 9% or 17% rain increases from cloud seeding. The Study also states that a 9% rain increase can be expected from ground sites only. And a 17% rain increase would more likely result from the combination ground station and aircraft option. The aircraft only option would likely yield results somewhere between the 9 - 17% projection.

Table A. Estimated Increased Flows assuming 9% Rainfall Increase		\$Ground only/AF	\$Air only/AF	\$Comb/AF
Salinas Reservoir	3,100 AF	\$ 35	\$ 87	\$ 92
Salinas - creeks and tributaries	2,334 AF	\$ 46	\$ 115	\$ 122
Total Salinas Increase	5,434 AF	\$ 20	\$ 49	\$ 52
Lopez Reservoir	2,926 AF	\$ 37	\$ 92	\$ 97
Lopez - creeks and tributaries	2,203 AF	\$ 49	\$ 122	\$ 129
Total Lopez Increase	5,129 AF	\$ 21	\$ 52	\$ 56
Overall Increase	10,563 AF	\$ 10	\$ 25	\$ 27

Table B. Estimated Increased Flows assuming 17% Rainfall Increase		\$Ground only/AF	\$Air only/AF	\$Comb/AF
Salinas Reservoir	5,855 AF	\$ 18	\$ 46	\$ 49
Salinas - creeks and tributaries	4,579 AF	\$ 24	\$ 59	\$ 62
Total Salinas Increase	10,434 AF	\$ 10	\$ 26	\$ 27
Lopez Reservoir	5,527 AF	\$ 20	\$ 49	\$ 52
Lopez - creeks and tributaries	4,322 AF	\$ 25	\$ 62	\$ 66
Total Lopez Increase	9,849 AF	\$ 11	\$ 27	\$ 29
Overall Increase	20,283 AF	\$ 5	\$ 13	\$ 14

Staff recommends the Aircraft only option as summarized in Table 3. This option would increase precipitation with minimal implementation time, and readily provide partnering opportunities.

As requested at the November 15, 2018 meeting, the website links below are to reports that may be helpful for technical support.

Link to the Mitigated Negative Declaration and supporting documents

<http://www.slocounty.ca.gov/Departments/Public-Works/Current-Public-Works-Projects/Winter-Cloud-Seeding-Program-for-Lopez-Lake-and-Sa.aspx>

Other documents are posted on the Zone 3 website at

<https://slocountywater.org/site/Flood%20Control%20and%20Water%20Conservation%20District%20Zones/ZONE%203/> and are described as follows:

“SMUD Silver Iodide 2017” is a report that summarizes several years of silver iodide monitoring in the El Dorado county area (I mistakenly said Placer County in the meeting).

“Extra Area Effects Atmospheric Research” addresses the concern of cloud seeding taking rain away from downstream areas.

“WMA_Santa Barbara Evaluation 2015” describes a historical analysis on how cloud seeding has affected the target watersheds of the County of Santa Barbara program.

“Geochemistry and Impacts of Silver Iodide” describes Silver Iodide and it’s use in cloud seeding. Also summarizes that past reports show Silver Iodide as low risk and is the basis for the Department of Water Resources recommending cloud seeding in its 2009 California Water Plan.

Financing

Proposed funding for this unanticipated FY 18/19 budget request of ~\$300,000 will come primarily from deferral of projects budgeted in this year, as well as cost savings from prior year projects. It is anticipated that no reserves or increases to contractor billings will be needed to fund this effort.



December 4, 2018

Avila Beach Community Services District
100 San Luis Street
Avila Beach, CA 93424

SUBJECT: NOVEMBER 2018 MONTHLY FACILITY REPORT FOR THE AVILA BEACH COMMUNITY SERVICES DISTRICT WASTEWATER TREATMENT PLANT, WATER SYSTEM AND COLLECTION SYSTEM

WASTEWATER TREATMENT PLANT

Routine annual maintenance on the secondary clarifier was completed in November. The first sedimentation chamber was drained and cleaned. The drive chain was replaced and collector flights and bearings were rehabilitated. Repairs were completed on the clarifier's scum skimmer unit and the secondary sludge pump. Parts were fabricated out of stainless steel for use in the repairs. All units were tested and adjusted before being returned to service. The clarifier is considered a confined space; confined space entry protocols were observed as required throughout the project.

Areas within the wastewater plant that are known to accumulate solids continue to be manually cleaned on a regular basis. The Chlorine Contact Chamber floor is vacuumed out on a weekly basis. These solids, if left to decompose, can have a negative effect on the effluent quality leaving the facility.

WATER SYSTEM

The small water storage tank continues to be used as standby, with FRM Staff monitoring the water quality in the tank and flushing as needed. FRM Staff continues to monitor the chlorine residuals and provide additional chlorine as needed.

COMPLIANCE RECORD AND PLANT PERFORMANCE

Staff compiled the data to complete the monthly Self-Monitoring Report and Discharge Monitoring Report in California Integrated Water Quality System (CIWQS). Once approved, the reports are uploaded into CIWQS and certified by ABCSD Staff.

Plant Design for Influent BOD is 270 mg/L. The permit limit for Effluent TSS and BOD is a Monthly Average of 40 mg/L with a Daily Maximum of 90 mg/L.

Sincerely,

FLUID RESOURCE MANAGEMENT



Krista Ackermann Young
Operations Manager

ATTACHMENTS

- Self-Monitoring Report
- ABCSD Average Daily WWTP Effluent Flow (2016-2018)
- ABCSD Monthly Total WWTP Effluent Flow (2016-2018)
- Port San Luis Monthly Total Flow (2016-2018)
- Monthly Average Influent BOD (2016-2018)
- Monthly Average Effluent BOD (2016-2018)
- Monthly Water Purchased From Lopez (2016-2018)
- ABCSD Monthly Water Sold (2016-2018)

Avila Beach CSD Wastewater Treatment Facility

Monthly report due last day of following month
Annual report due January 30

Month: **NOVEMBER 2018**

Date	Daily Flow (MGD)			Effluent Monitoring		
	Total	Max (gpm)	Avg (gpm)	Biweekly Total Coliform	Biweekly Fecal Coliform	Daily Chlorine Residual
1	0.034432	74	25	<2	<2	<0.02
2	0.045088	97	31			<0.02
3	0.059601	103	42			<0.02
4	0.062150	107	35			<0.02
5	0.046567	91	32			<0.02
6	0.040188	76	28	<2	<2	<0.02
7	0.042749	87	30			<0.02
8	0.041374	74	29	<2	<2	<0.02
9	0.048639	90	34			<0.02
10	0.066760	127	42			<0.02
11	0.061297	91	42			<0.02
12	0.064013	106	45			<0.02
13	0.049598	93	35	13	8	<0.02
14	0.039649	77	28			<0.02
15	0.040701	89	28	2	<2	<0.02
16	0.046926	90	33			<0.02
17	0.059451	98	41			<0.02
18	0.064809	103	38			<0.02
19	0.060601	101	42			<0.02
20	0.047717	103	33			<0.02
21	0.056724	101	39	<2	<2	<0.02
22	0.056250	102	39			<0.02
23	0.062074	104	43			<0.02
24	0.065019	112	45			<0.02
25	0.053228	103	37			<0.02
26	0.040048	85	36			<0.02
27	0.035343	70	25	2	<2	<0.02
28	0.038229	98	27			<0.02
29	0.046093	83	23			<0.02
30	0.038631	70	27			<0.02
31						
Min	0.034432	70	23	<2	<2	<0.02
Mean	0.050465	94	34	3	<2	<0.02
Max	0.066760	127	45	13	8	<0.02
Total	1.513949	Effluent daily (dry weather) flow NTE 0.2 MGD (mean).				

Influent Brine Received

Date	Volume (Gallons)
	N/A

Sludge Removal

Date	Gallons
11/13/18	4,500
11/26/18	4,500

Effluent and Influent Monitoring

Date	Biweekly Effluent BOD (24 HC)	Biweekly Effluent TSS (24 HC)	Biweekly Influent BOD (24 HC)	Biweekly Influent TSS (24 HC)	Monthly Effluent Oil & Grease (Grab)
11/1/18	24	6	546	488	
11/4/18	21	15	268	86	
11/8/18	19	12	408	392	<5
11/11/18	29	18	206	80	
11/15/18	18	12	262	348	
11/18/18	41	24	636	468	
11/21/18	42	21	256	316	
11/25/18	32	19	288	106	
11/29/18					
Min	18	6	206	80	<5
Mean	28.3	15.9	358.8	285.5	<5
Max	42	24	636	488	<5
BOD Removal: 92.1%			TSS Removal: 94.4%		

Effluent Monitoring

Date	Weekly Set. Solids (Grab)	Weekly Turbidity (Grab)	Weekly pH (Grab)	Weekly Temp °F (Grab)
11/1/18	<0.1	12.7	6.3	69
11/8/18	<0.1	15.4	6.7	67
11/15/18	<0.1	30.7	6.7	67
11/21/18	<0.1	21.4	6.7	69
11/29/18	<0.1	17.6	6.7	
Min	<0.1	12.7	6.3	67
Mean	<0.1	19.6	6.6	68.0
Max	<0.1	30.7	6.7	69

Effluent Limits

Parameter	Units	Monthly Avg	Weekly Avg	Daily Max
BOD	mg/L	40	60	90
Suspended Solids	mg/L	40	60	90
Oil and Grease	mg/L	25	40	75
Turbidity	NTU	75	100	225
Total Coliform	MPN/100 mL	7 Sample Median: 23		
		More than once in 30 days: 240		
		Daily Maximum: 2,400		
Chlorine Residual	mg/L	6 Month Median: 0.3		1.2
pH	pH units	Between 6.0 - 9.0		
Settleable Solids	mL/L	1.0	1.5	3.0
BOD/TSS Removal	%	≥ 75%	***	***

I certify under penalty of perjury that the foregoing is true and accurate and that the sampling procedure and analysis used are as specified in the Waste Discharge Order for this facility.

SIGNATURE: _____

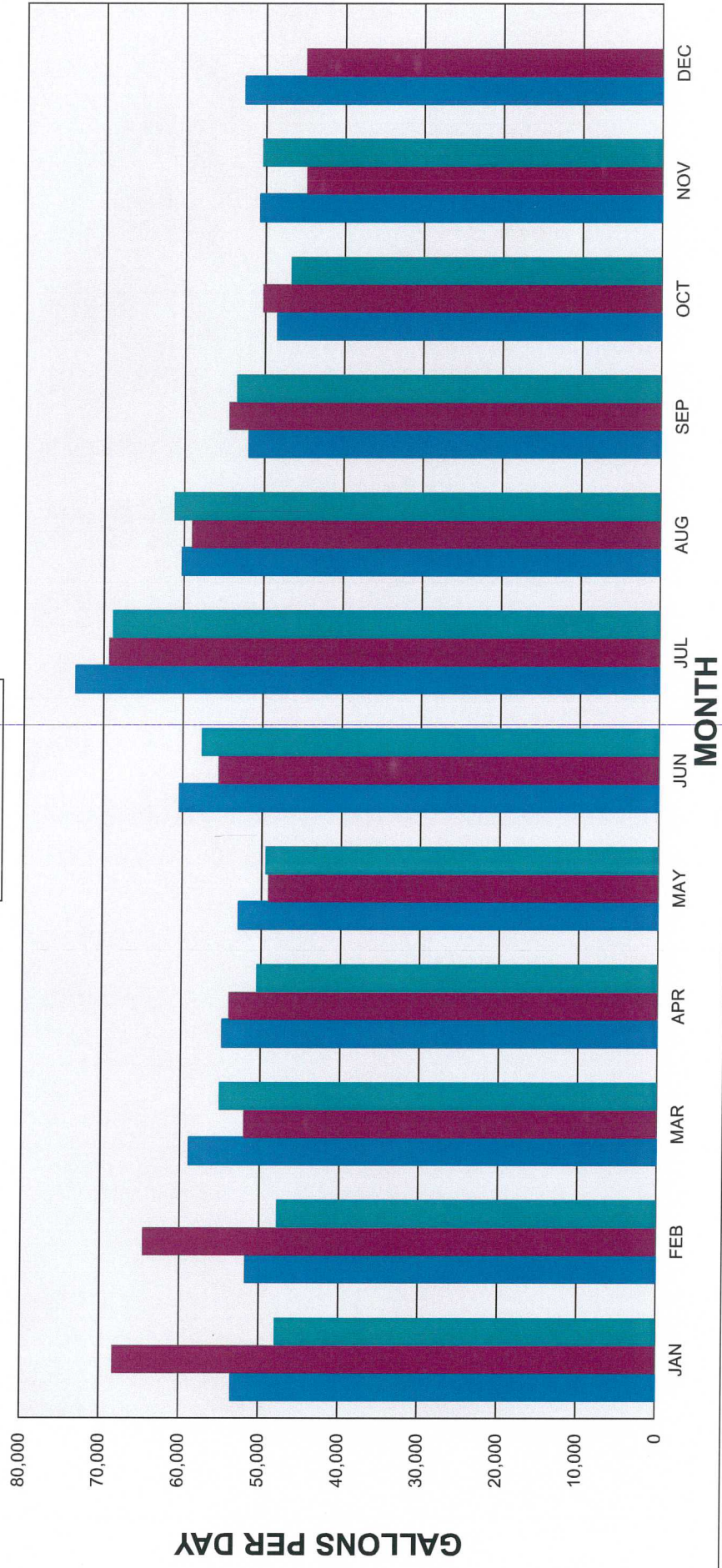
DATE: _____

PRINTED NAME: _____

TITLE: _____

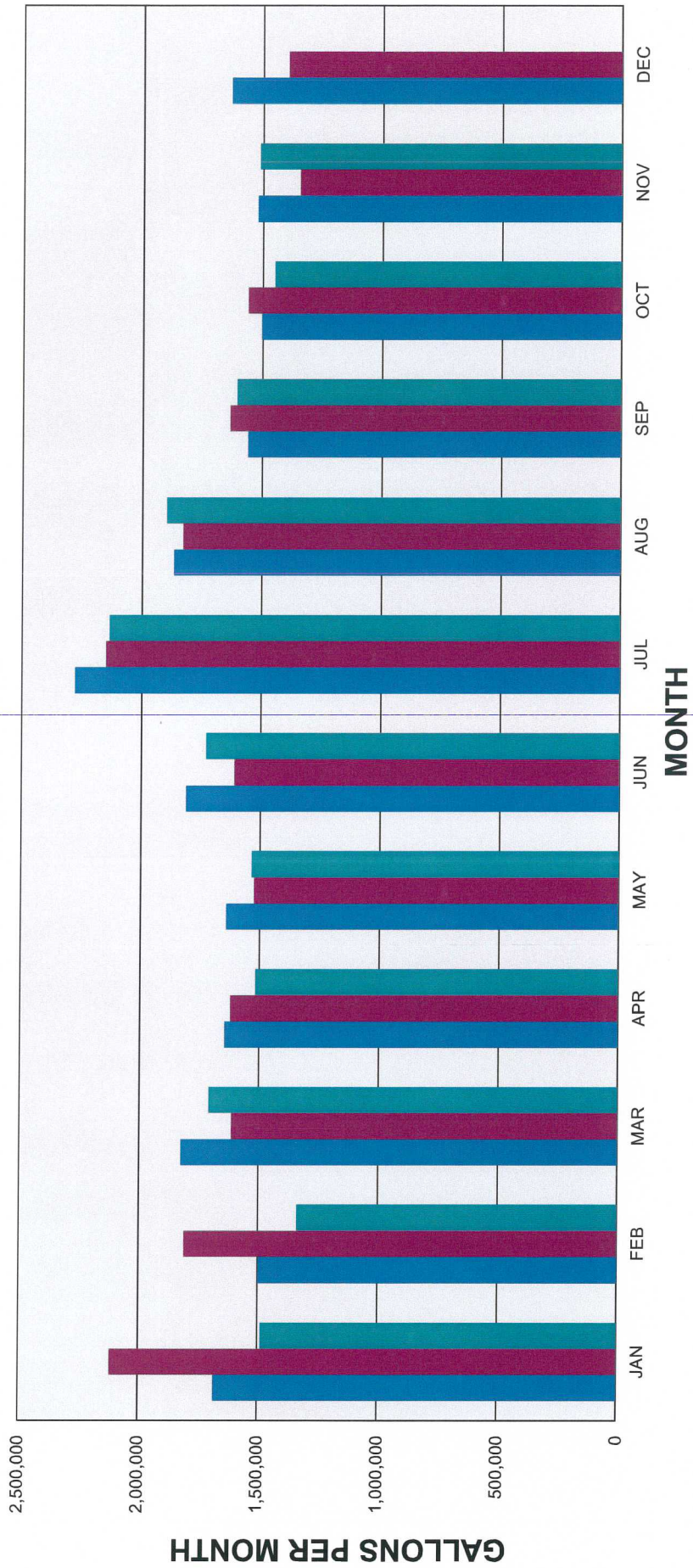
ABCSD AVERAGE DAILY WWTP EFFLUENT FLOW (2016 - 2018)

■ 2016 ■ 2017 ■ 2018



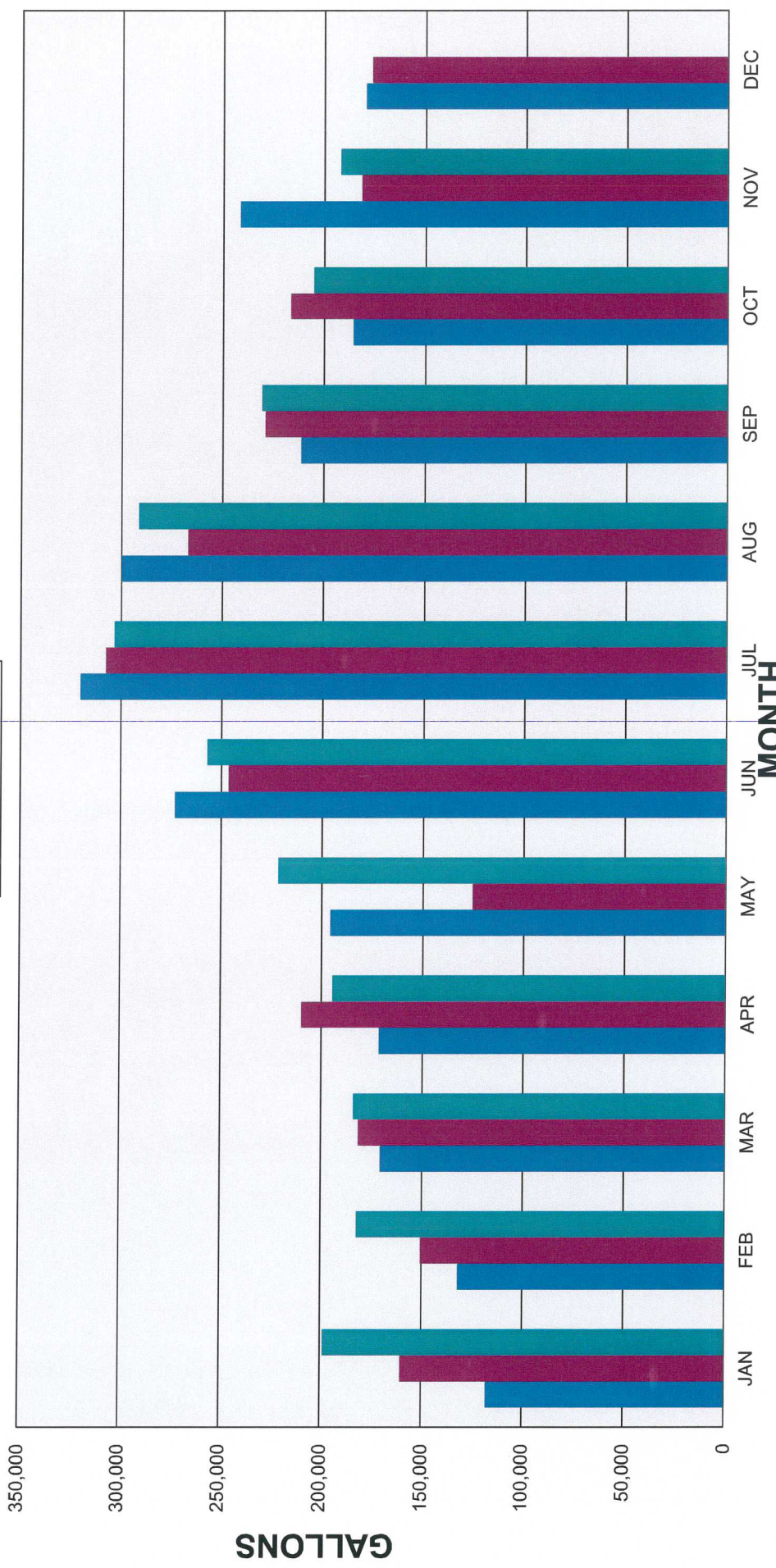
ABCSD MONTHLY TOTAL WWTP EFFLUENT FLOW (2016 - 2018)

■ 2016 ■ 2017 ■ 2018

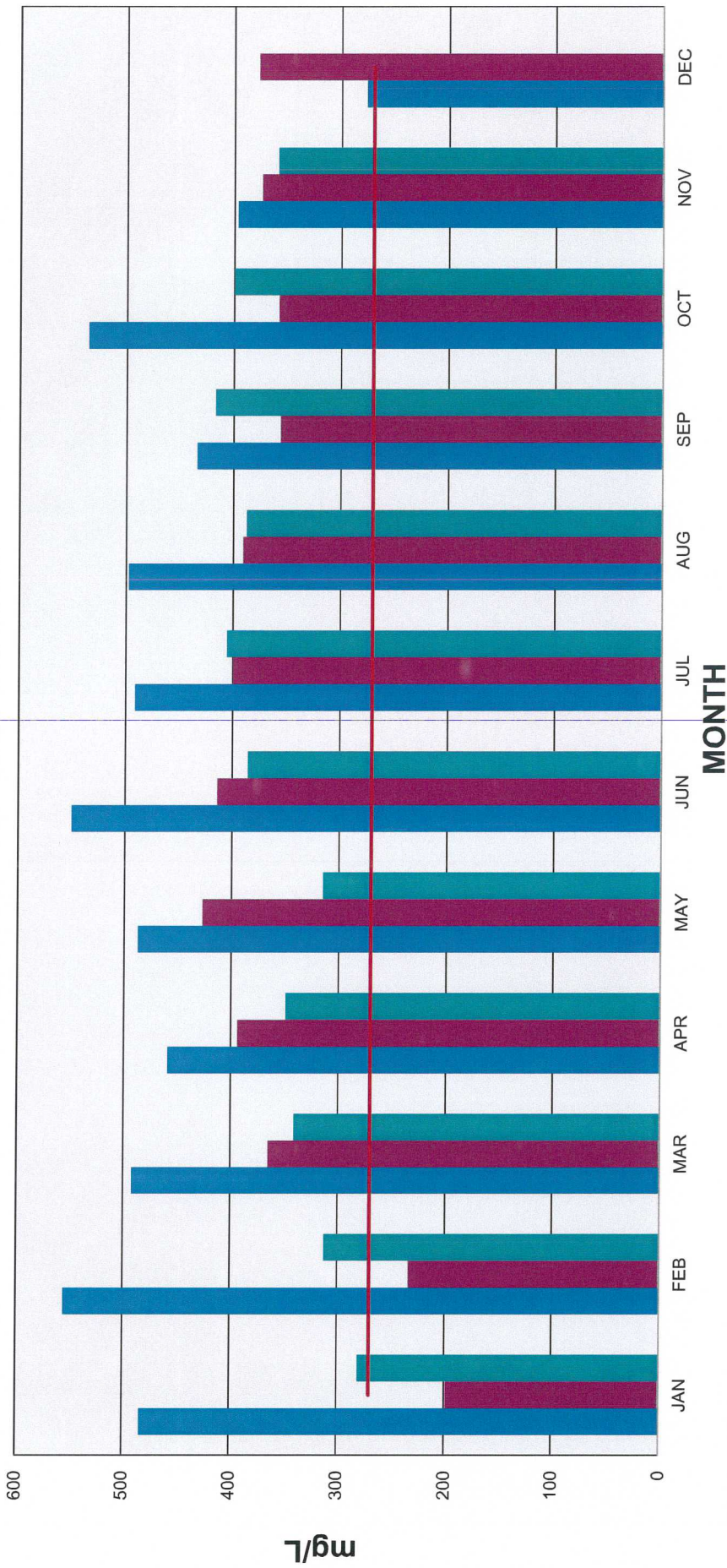


PORT SAN LUIS MONTHLY TOTAL FLOW (2016 - 2018)

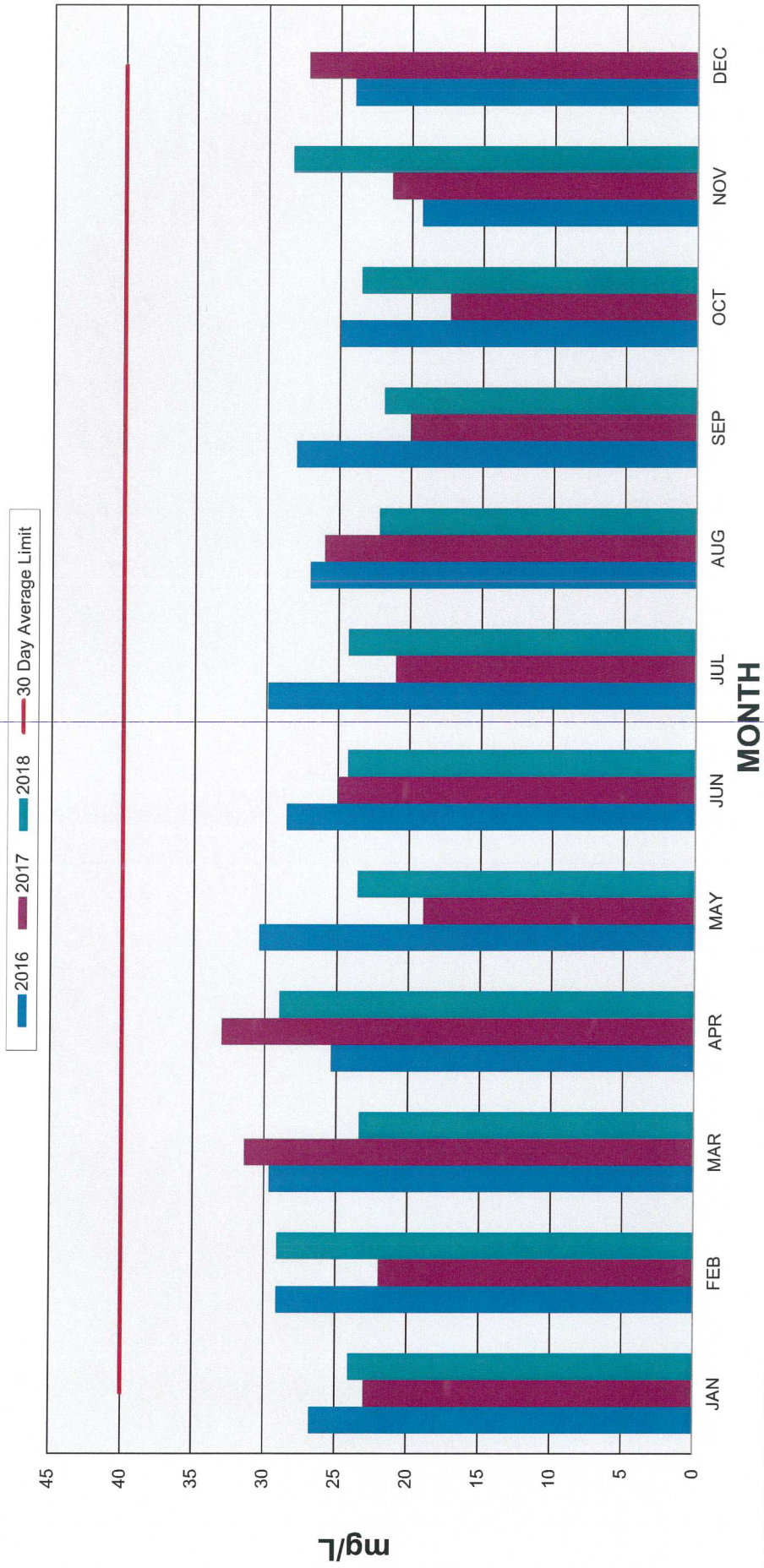
■ 2016 ■ 2017 ■ 2018



ABCSD MONTHLY AVERAGE INFLUENT BOD (2016 - 2018)

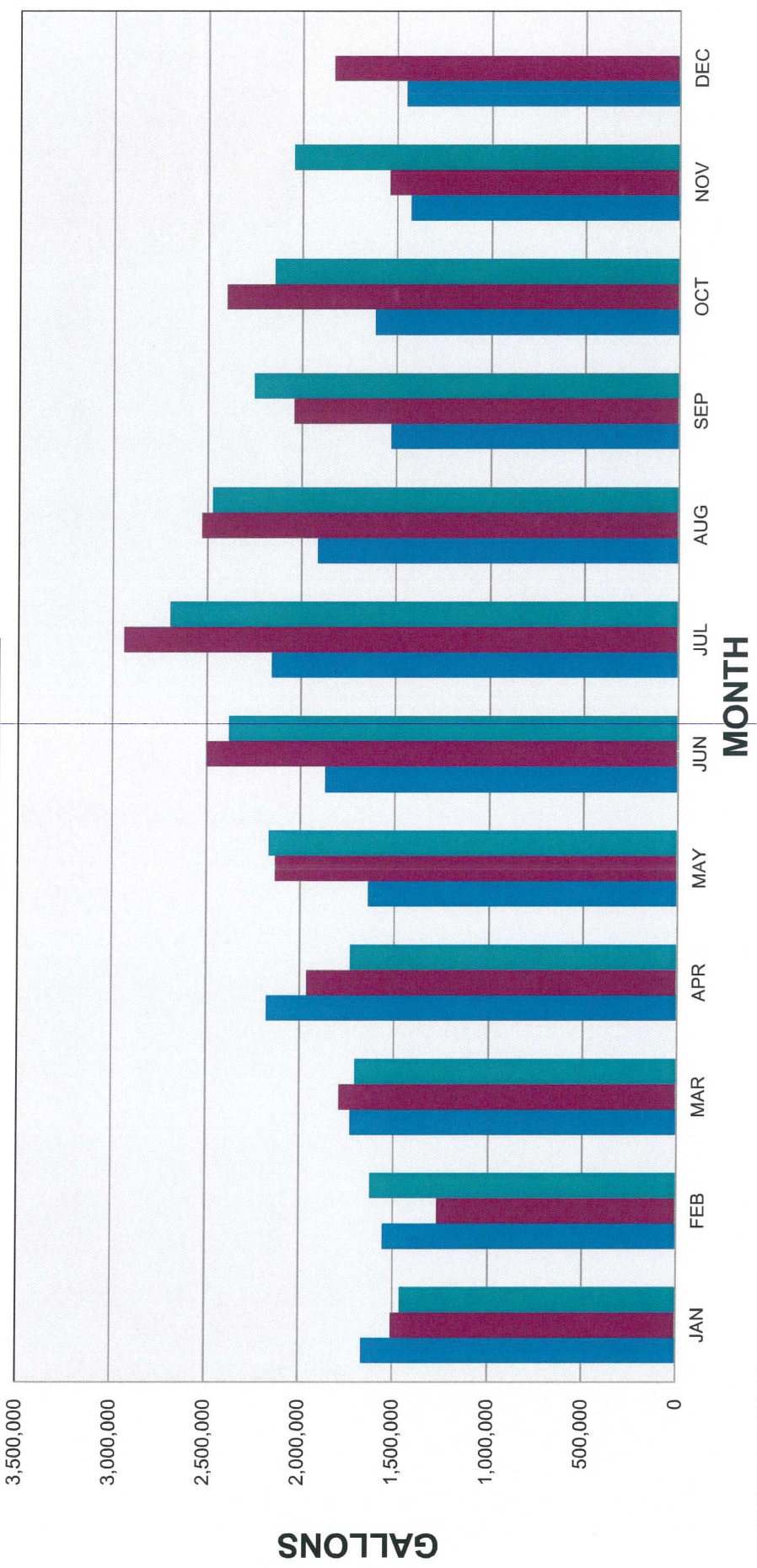


ABCSD MONTHLY AVERAGE EFFLUENT BOD (2016 - 2018)



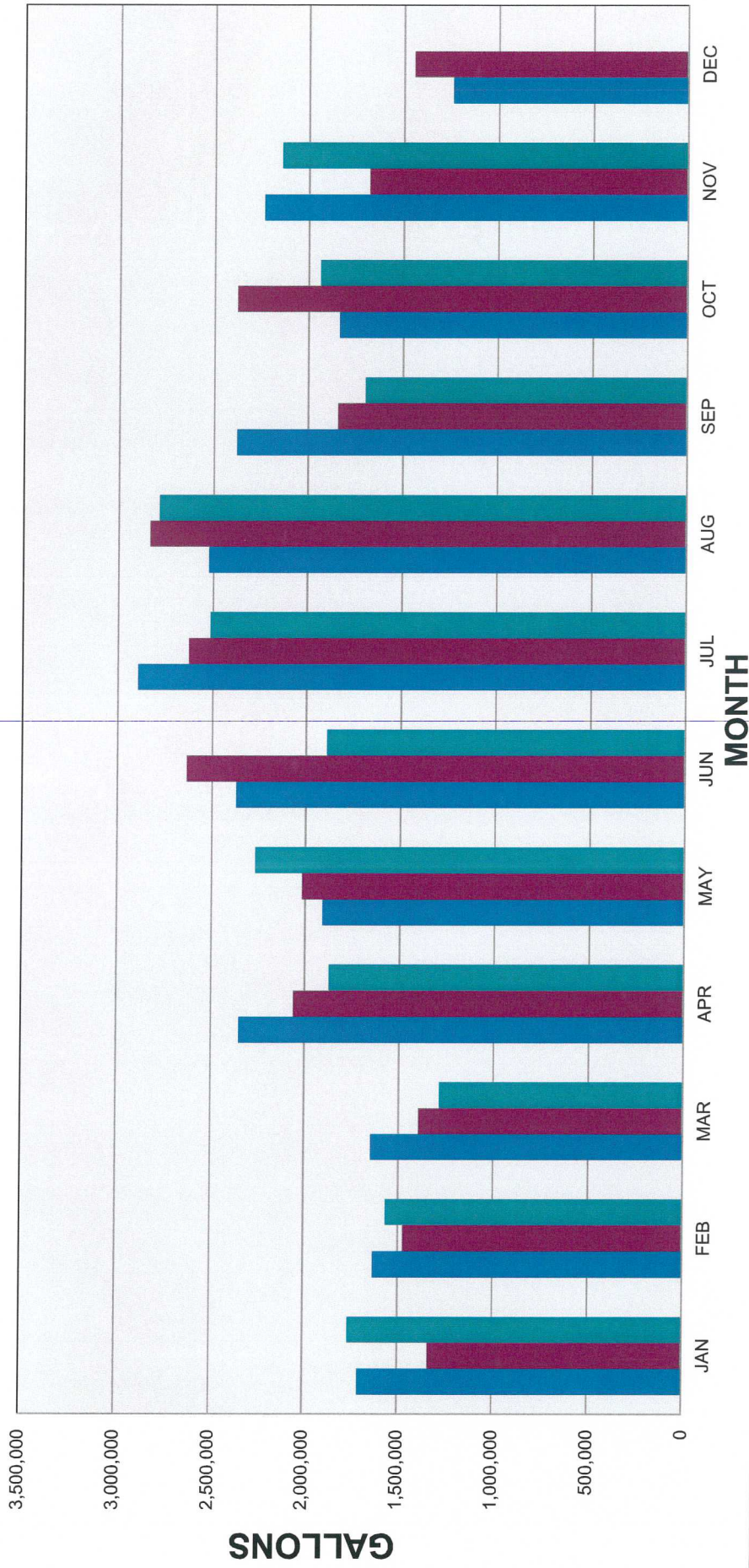
ABCSD MONTHLY WATER PURCHASED FROM LOPEZ (2016 - 2018)

■ 2016 ■ 2017 ■ 2018



ABCSD MONTHLY WATER SOLD (2016 - 2018)

■ 2016 ■ 2017 ■ 2018




**AVILA BEACH
COMMUNITY SERVICES DISTRICT**

Post Office Box 309, Avila Beach, CA. 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager 

DATE: December 12, 2018

SUBJECT: Election of Board Officers for Calendar Year 2019
Director Appointments to Committees

Recommendation:

Elect officers for the calendar year 2019; appoint Directors to standing committees.

Discussion:

At the end of each calendar year it is customary to elect the officers of the Board and to appoint committee membership for the upcoming year.

1. Election of Officers

At this time it would be appropriate to elect offices for the positions of Board President and Vice President.

The officers for the calendar year of 2018 were as follows:

President	Pete Kelley
Vice President	Lynn Helenius

Nominations should first be taken from the floor for the office of president; nominations do not require a second. After there are no further nominations, a motion should be made and seconded to close nominations. A vote is then taken for each candidate. The candidate receiving the most votes, and a majority of votes of the quorum present, is elected to office. The office of vice president should be elected in the same manner as president.

2. Committee Appointments

At the beginning of the calendar year it is customary to appoint members of the Board to committees for the coming year.

Listed below are the CSD standing committees for the 2018 calendar year; additionally Ad-Hoc committees may be designated as necessary.

Standing Committees


Finance:	Directors Lynn Helenius, Eric DeWeese
Personnel:	Directors Pete Kelley, Lynn Helenius
Facilities:	Directors Ara Najarian, Kristen Berry
Drought Conditions:	Directors, Ara Najarian, Eric DeWeese

**AVILA BEACH
COMMUNITY SERVICES DISTRICT**

Post Office Box 309, Avila Beach, CA. 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager 

DATE: December 12, 2018

SUBJECT: Designate a voting Director for Annual Meeting and Nomination of Special District LAFCO Representative

Recommendation:

Designate a Director that will be attending the January 25, 2019, CSDA Annual Meeting as the District's voting delegate; approve the Alternative Quorum Procedure; and if a Director wants to run for the LAFCO Special District Representative, complete the Nomination Form

Discussion:

LAFCO Executive Officer David Church sent out an email request on December 4, 2018 to all Special District General Managers that requested all Special Districts complete the following by January 21, 2019:

1. Designate a Board member as a delegate to the January 25, 2019 CSDA Annual Meeting;
2. Approve the Alternative Quorum Procedure; and
3. If interested, nominate a Board Member for the LAFCO Special District position that will become effective January 2019 or as soon thereafter and practical.

Mr. Church's email, proposed Alternative Quorum Procedure, and Nomination Form are attached to this staff report.

The Board of Directors are requested to delegate a District voting representative, approve the Alternative Quorum Procedure and if interested complete the nomination form for the LAFCO Special District Representative.



Bradley Hagemann <hagemann.associates@gmail.com>

RE: Special District Election Procedure

1 message

David Church <dchurch@slolafco.com>

Tue, Dec 4, 2018 at 9:20 AM

To: Donna Bloyd <dbloyd@slolafco.com>, Adelaida Cemetery District <rockingchair@wildblue.net>, Andrea Lueker <AndreaL@portsanluis.com>, Arroyo Grande Cemetery District <agcemetery@sbcglobal.net>, Atascadero Cemetery District <gilbert.a.cabrera@gmail.com>, Avila Beach CSD <avilacsd@gmail.com>, Brad Hagemann <hagemann.associates@gmail.com>, California Valley CSD <cvcsd3094@gmail.com>, Cambria Cemetery District <info@cambriacemetery.com>, Cambria Healthcare District <rsayers@cambria-healthcare.org>, Cayucos Fire Protection District <cayucosfireprotectiondist@gmail.com>, Cayucos Sanitary District <rkoon@cayucoscd.org>, Cayucos-Morro Cemetery District <cmbcemetery0959@att.net>, Coastal San Luis RCD <neilhavlik@aol.com>, Dan Gilmore <gm@groundsqurrelhollowcd.org>, "EPCWD, Laurie Gage" <lg@epcwd.org>, "Heritage Ranch CSD, Scott Duffield" <scott@heritageranchcd.com>, Jeff Britz <jbritz@templetoncd.org>, Jerry Gruber <JGruber@cambriacsd.org>, Karen White <whitewrites@att.net>, Laurie Ion <ion@templetoncd.org>, Linne CSD <linnecsd@hotmail.com>, Los Osos CSD <rosborne@losososcld.org>, Nipomo CSD <miglesias@ncsd.ca.gov>, Oceano CSD <paavo@oceanocsd.org>, Paso Robles Cemetery District <tomflynn@pasocemetery.com>, S SLO County Sanitation District <pjkarp@sbcglobal.net>, San Miguel Cemetery District <SMDC@tcsn.net>, San Simeon CSD <cgrace@sansimeoncd.com>, "San Simeon CSD, Renee Osborne" <rsamaniego@sansimeoncd.com>, Santa Margarita Fire District <smv7800@hotmail.com>, Shandon Cemetery District <katetwisselman@yahoo.com>, Shandon San Juan Water District <admin@ssjwd.org>, "Shandon-San Juan WD, Willy Cunha" <willyc@sunviewvineyards.com>, Templeton Cemetery District <scowelltcd@att.net>, The Cambrian <Cambrian@thetribunenews.com>, Upper Salinas-Las Tablas <devin@us-ltrcd.org>

Hi All,

We need your help! The LAFCO Special District position is currently held by Marshall Ochylski and the term is up in December 2018. Please do three things by **January 21, 2019**:

- 1) Designate a Board Member as a delegate to the January 25, 2019 CSDA Annual meeting in Avila Beach
- 2) Approve the Alternative Quorum Procedure.
- 3) If interested, nominate a Board Member for the position.

Please me know if you have questions or need me to attend a meeting. Happy to help. Thanks and have a happy holidays.

David Church

Executive Officer

San Luis Obispo LAFCO

805-788-2096



Independent Special District Selection Committee

San Luis Obispo Chapter of the
California Special District Association

TO: Special District General Manager

FROM: David Church, LAFCO Executive Officer

DATE: November 30, 2018

SUBJECT: Regular LAFCO Member Selection

Background. At the CSDA Annual Meeting (**January 25, 2019-Avila Beach Community Center**) the San Luis Obispo Chapter of the CSDA dons the hat of the Independent Special District Selection Committee. The Committee is responsible for the selection of Special District representatives to serve on LAFCO. Establishing a quorum is always a challenge.

Alternative Quorum Procedure. There are a total of 35 Special Districts in the County. In researching the prior 11 district elections from 2010-2018, it was found that six Special Districts have participated in zero to one of the elections. Based on that finding, the Selection Committee should consider an alternative method for calculating a quorum founded on 29 total Districts. This provides for a reduced quorum number of 15; which is more achievable at the Annual Meeting. All 35 Special Districts would continue to participate as part of the Selection Committee.

The term for this position would begin in February 2019 and run through December 2022. The full election procedure and form is attached. If only one candidate is nominated, that individual shall be selected to the position.

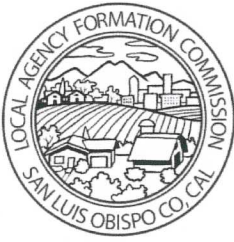
Please place this item on your Board's Agenda:

- 1) **Designate a Director as a voting delegate** to attend the January 25, 2019 Special District Annual Meeting in Avila Beach at the Community Center.
- 2) **Vote on the Alternative Quorum Procedure** as found on the attached form.
- 3) **Nominate a candidate if you would like.** A nomination must be approved by the District's Board.
- 4) **Nominations are required to be submitted by January 18, 2019.** The completed and signed nomination form (attached) may be submitted to the LAFCO office via mail, fax-788-2072, or e-mail to DChurch@slolafco.com. The form must be signed by the General Manager or Board President, and the Nominee.

Independent Special District Selection Committee

Selection Procedure

- 1- **Determining a Quorum.** All 35 Districts shall be notified of the special district election for the LAFCO member and are eligible to participate. Based on past participation, the quorum would be considered to be 15 District Delegates in attendance at the annual meeting. All Districts are allowed to participate. The quorum procedure applies to the email election process as well.
- 2- **Designate Voting Delegates.** Special Districts shall designate the presiding officer or another board member as the voting delegate for the Selection Committee meeting.
- 3- **Nomination Procedure.** A notice of nomination would be emailed to the Special Districts requesting that nominations be submitted within 45 days. The Candidates' Statement of Qualifications should be submitted at the same time. Nominations may be received from the floor at the meeting.
- 4- **Alternate Position.** If the Alternate LAFCO Commissioner is elected to the Regular position, nominations from the floor for filling the term of the vacated Alternate may be considered and a vote conducted at the meeting.
- 5- **Election Procedure.**
 - a. A candidate's information package is emailed to all Special Districts prior to the Annual Meeting. It would include a list of the nominees and their Statements of Qualifications. The package would be emailed as soon as the nomination period ends and the package can be compiled.
 - b. A Special District Roll Call is conducted to determine if the Selection Committee has a quorum. Ballots would be distributed at the meeting.
 - c. Each candidate shall be given up to five minutes at the Selection Committee Meeting to present his/her qualifications.
 - d. If a quorum of 15 District Delegates is achieved, the delegates in attendance complete and submit ballots.
 - e. The ballots would be counted by three reviewers appointed by the Selection Committee.
 - f. Results would be announced at the Selection Committee Meeting.
 - g. If a quorum is not achieved at the meeting, the voting period will be extended for 45 days. Districts that were not present would be emailed a ballot and instructions. Districts in attendance at the meeting may submit ballots at that time if they choose.



LAFCO SPECIAL DISTRICT MEMBER SELECTION FORM
Independent Special District Committee

The _____
(Insert Name of Special District)

Delegate

Hereby designates _____ as a voting delegate to the Selection
Committee. (Insert Name of Delegate)

Approval of the Alternative Quorum Procedure.

Yes

No

Nomination-(Optional)

Hereby nominates _____ to serve as the
(Insert Name of Nominee-nomination is voluntary)

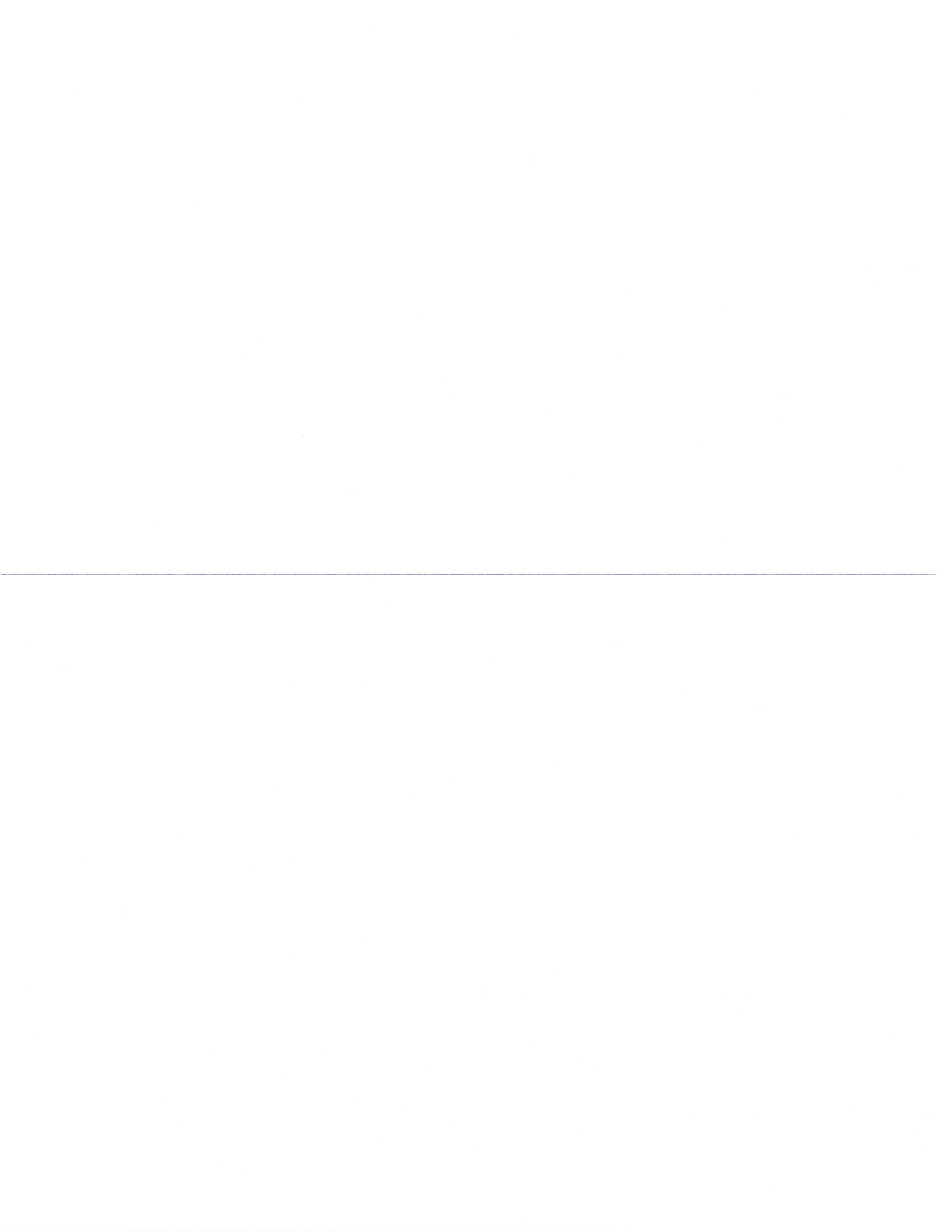
Special District Member on the San Luis Obispo Local Agency Formation Commission (LAFCO).

Board of Director's action in the nomination was taken on:

Insert Date of Board Action

General Manager or Chairman/President

Consent of the Nominee – Signature (If Nominated)



AVILA BEACH COMMUNITY SERVICES DISTRICT

Post Office Box 309, Avila Beach, CA. 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager



DATE: December 12, 2018

SUBJECT: LED Retrofit of Decorative Streetlights

Recommendation:

Receive Staff Report and Provide Direction to Staff Regarding "Opting-In" to the Decorative Light LED Retrofit Program

Discussion:

At the October 10, 2018, Board meeting the Board received a presentation from Ms. Kristen Silva, PG&E Customer Service Specialist. Ms. Silva provided an overview of a program to retrofit the PG&E owned Cobra Head and Decorative light fixtures under the District's jurisdiction. At the November 14, Board meeting the Board directed staff to "Opt-In" to Cobra Head LED streetlight program and request the "warmer" 2700k Cobra Head fixture. Staff is working with our PG&E representative to complete the Opt-In paperwork and get the retrofit scheduled. The Board also received some public comment on the Decorative Light retrofit options.

As noted at the October and November Board meetings, the Cost Model for the Decorative Streetlight retrofit is not as favorable as the Cobra Head lights due to the Temporary IFC currently set at \$12.77 per fixture. Ms. Silva recently indicated that PG&E is actively working with the Public Utilities Commission to reduce the current IFC for Decorative streetlights which would result in customer cost savings. Retrofitting the Decorative streetlights would result in an annual reduction of approximately 5,265 kWh but it would increase costs by approximately \$2,000 per year until the IFC is reduced.

PG&E staff provided some additional information and specification sheets on the Decorative Light options, which are attached to this staff report. PG&E staff also mentioned that their crews have recently installed 3000k decorative lights near the Pismo Beach Pier and they are also installing 3000k decorative acorn lights in the City of Paso Robles.

Staff recommends the Board Opt-In for Decorative lights retrofit. Although the Decorative lights will initially cost more, they will reduce energy, greenhouse gas emissions and provide a more attractive and significantly longer useful life fixture. In addition, PG&E staff feels confident that they will be successful in reducing the IFC.



Bradley Hagemann <hagemann.associates@gmail.com>

RE: Streetlight Upgrade

1 message

Silva, Kristen <K1Cp@pge.com>

Fri, Nov 16, 2018 at 3:44 PM

To: Bradley Hagemann <hagemann.associates@gmail.com>

Cc: Kristi Dibbern <avilacsd@gmail.com>

Hi Brad,

You aren't going to believe this, but hot off the press, literally this week, it was announced we are adding a 2,700k option to our standard for cobra head fixtures. The only place we have installed 2700s is in Davis where we did our pilot. We don't have any 3000k cobraheads in your area either however our crews just installed Pismo Beach's decorative lights at the 3,000k level. They are non standard bell shaped lights down by the pier if you want to go see the 3k color, and 2700 is just a hair warmer than those.

I spaced on getting your opt in workbook for your cobra heads, I'll pull that together and get it over to you asap.

I've attached the spec & product sheets for both the Granville & Salem fixtures. Both fixtures have directional downward facing lights.

We are currently installing the acorn lights at the 3k level in Paso Robles, but not Salem style fixtures yet.

*Kristen Silva**Questions? Email streetlightupgrade@pge.com*

From: Bradley Hagemann [mailto:hagemann.associates@gmail.com]**Sent:** Friday, November 16, 2018 1:46 PM**To:** Silva, Kristen <K1Cp@pge.com>**Cc:** Kristi Dibbern <avilacsd@gmail.com>**Subject:** Re: Streetlight Upgrade



GE Evolve™
LED Post Top Lighting
Salem™ Post Top (EPST)



current
powered by GE



GE Evolve™ LED Post Top Lighting Salem™ Post Top (EPST)

The **GE Evolve™ LED Salem™ Post Top** offers energy efficiency and quality of light in a classic, utility carriage look and style. The advanced LED optical system provides improved horizontal and vertical uniformity, reduced glare and improved lighting control. GE's unique optical ring technology effectively aims the light where you need it, while eliminating the unsightly shadow circles commonly seen under other LED post top fixtures.



The Salem post top can yield up to a 60-percent reduction in system energy compared with standard HID systems, depending on applications. This reliable system operates well in cold temperatures and offers more than 20 years of service life to reduce maintenance frequency and expense, based on a 100,000 hour life and 12 hours of operation per day.

Features:

- Optimized photometric distributions.
- **Evolve™** light engine consisting of nested concentric directional reflectors designed to optimize application efficiency and minimize glare.
- 70 CRI at 3000K and 4000K typical
- -40°C to 50°C UL Ambient
- Designed and Assembled in USA

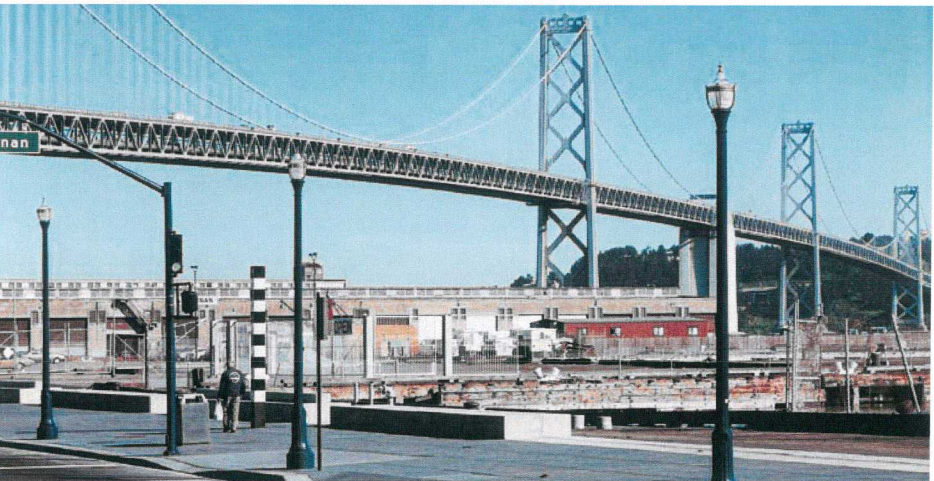
Applications:

- Local Roadways
- Parks and Pathways
- Antique Streetscapes
- University and Business Campuses



To learn more about **GE Evolve EPST Salem Post Top**, go to: www.currentbyge.com

GranVille® Classic



Typical Applications

- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots

Features

- Distinctive styling
- Superior performance
- Ease of maintenance
- Permanent, durable materials
- Reliability

Approvals

- UL/CUL

Lamp Types

- 35-150 watt high pressure sodium
- 70-175 watt metal halide
- 200 watt incandescent
- 55-85 watt induction (QL)



GranVille® Classic

The cornerstone of the GranVille Classic luminaires' superior performance is an advanced borosilicate glass optical refractor, which provides precise light control through finely molded prisms. The prismatic light refractor helps direct the light beam to the desired pattern, allows for great spacings with excellent uniformity, and creates an appealing sparkle that distinguishes the GranVille luminaire from conventional plastic acorn globes.

Although the efficient light control is the cornerstone of the GranVille Classic's prismatic glass refractor, the prismatic glass optical assembly creates the sparkle that provides the visual appeal in any daytime setting.

The GranVille Classic luminaire is widely used for municipal streets, residential streets, college campuses, and commercial area applications. The GranVille Classic luminaire is available with decorative covers, six distinct ballast modules, trim options, finials, all designed to accent any project theme. The new modern fluted ballast module (M) incorporates tool less entry, the modular "Utility" ballast module, integral terminal block, and an optional internal relamp module designed to simplify installation and maintenance.

The luminaire will scale with a range of decorative post styles from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall mount brackets to complement the post top assemblies further enhancing the site architecture.



*GranVille
(Fluted housing,
standard finial)*



*GranVille
(Ribs, bands and
medallions, with leaf
housing, and standard finial)*



*GranVille
(Decorative cover
with leaf housing,
and standard finial)*

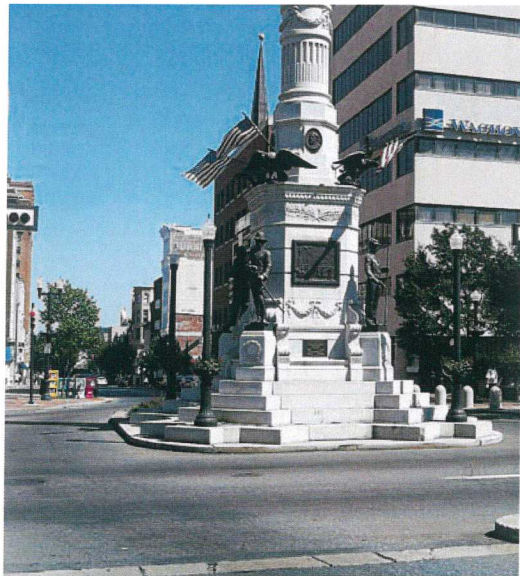


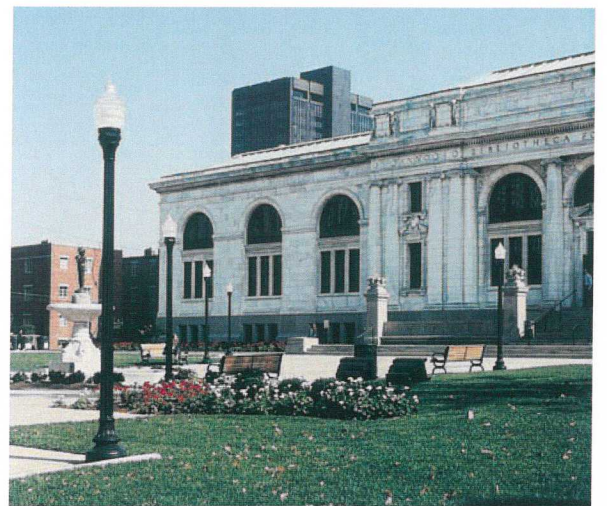
*Syracuse
(Spun cover, ribs, bands and
medallions, with leaf housing,
and standard finial)*

Applications

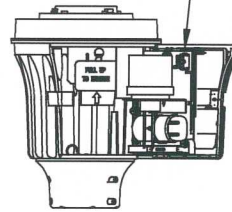
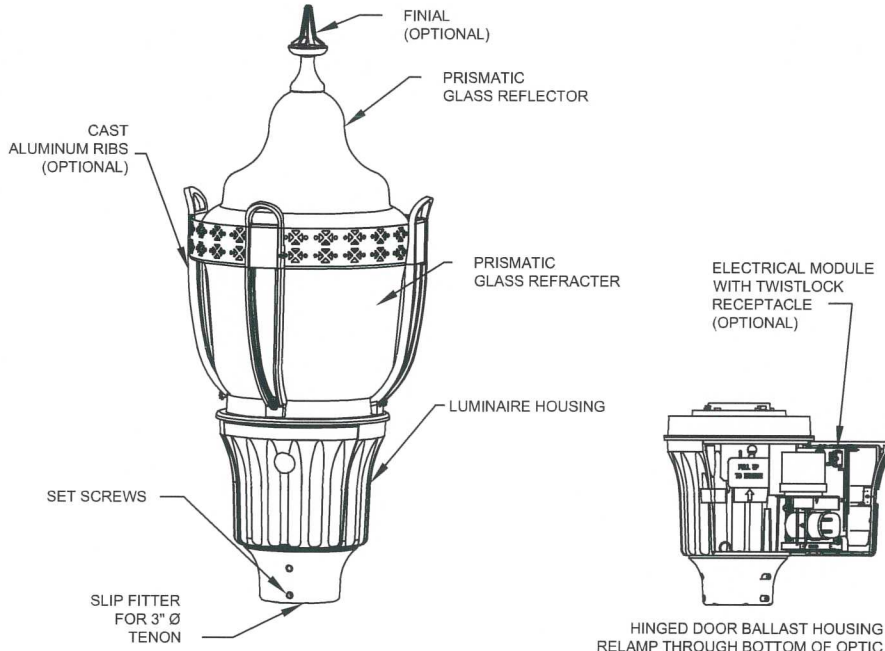
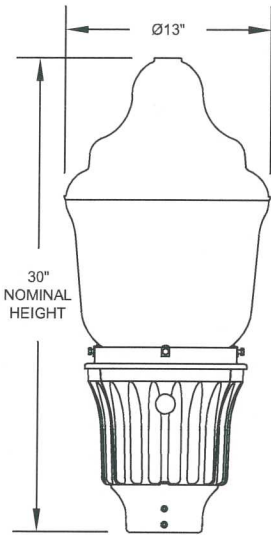
The GranVille luminaire has appeal for many types of applications. Although efficient light control is the cornerstone of the GranVille's prismatic glass refractor, the prismatic glass optical assembly creates a sparkle that provides visual appeal in any daytime setting.

The GranVille luminaire is widely used for municipal streets, residential streets, college campuses, and commercial area applications. The luminaire will scale with a range of decorative post styles ranging from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall brackets to complement the post top assemblies further enhancing the site architecture.





Maximum weight - 47 lbs
Maximum effective projected area - 1.38 sq. ft.



*drawing depicting base model no finial.

Utility Granville Series Postlite

DECORATIVE
OUTDOOR



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GV

ORDERING INFORMATION:

HOUSING
GVU = STANDARD
GVL = LEAF

BALLAST TYPE
(MOGUL BASE)
050HP = 50W HPS
(not available with 347 V)
070HP = 70W HPS
100HP = 100W HPS
15AHP = 150W 55V HPS
175PM = 175W PM

BALLAST TYPE
(MEDIUM BASE)
50DHP = 50W HPS
(not available with 347 V)
70DHP = 70W HPS
10DHP = 100W HPS
15DHP = 150W 55V HPS
10DMH = 100W MH
(not available with 480V)

NOTE: MH is compliant with DOE/EISA regulations starting February 10, 2017.

VOLTAGE
08 = 208 VOLT (C.U.L.)
(not available with 70DMH, 10DMH, 15DMH)
12 = 120 VOLT (UL & C.U.L.)
20 = 208 VOLT
24 = 240 VOLT
27 = 277 VOLT (UL & C.U.L.)
34 = 347 VOLT (C.U.L.)
40 = 240 VOLT (C.U.L.)
(not available with 70DMH, 10DMH, 15DMH)
48 = 480 VOLT
MT = MULTITAP (factory 240V) (120, 208, 240, 277 VOLT)
MA = MULTITAP (factory 120V) (120, 208, 240, 277 VOLT)
MB = MULTITAP (factory 208V) (120, 208, 240, 277 VOLT)
MC = MULTITAP (factory 240V) (120, 208, 240, 277 VOLT)
MD = MULTITAP (factory 277V) (120, 208, 240, 277 VOLT)

HOUSING COLOR
A = AS SPECIFIED
B = BLACK
D = DARK GREEN
E = BROWN GREEN
F = DARK GREEN
H = DARK GREEN
N = GREEN
Z = BRONZE

OPTICS
3 = IES TYPE III DISTRIBUTION
4 = IES TYPE IV DISTRIBUTION
5 = IES TYPE V DISTRIBUTION
6 = IES TYPE II DISTRIBUTION LUNAR
7 = IES TYPE III DISTRIBUTION LUNAR
8 = IES TYPE V DISTRIBUTION LUNAR

FINIAL
B = BALL
C = CLEAR
E = EAGLE
F = FLOWER
N = NONE
P = PAWN
R = CROSS
S = STANDARD
T = ROM CROSS

COLOR
A = AS SPECIFIED
B = BLACK
D = DARK GREEN
E = BROWN GREEN
F = DARK GREEN
G = GOLD
H = DARK GREEN
N = GREEN
U = NO TRIM AND CLEAR OR NO FINIAL
Z = BRONZE

TRIM
N = NO TRIM
R = RIBS & BAND
S = SYRACUSE STYLE WITH COVER

OPTIONS

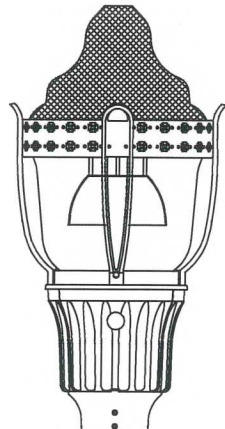
- H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE ONLY
- P = PROTECTED STARTER FOR HPS UNITS ONLY
- T = NEMA TWISTLOCK AND PROTECTED STARTER FOR HPS UNITS ONLY.
- FCVRX = FULL COVER (INSERT TRIM FINISH, FROM STEP 8 FOR X, ALSO MUST HAVE FINIAL)
- MCVRX = MAYFIELD 1/2 COVER (INSERT TRIM FINISH, FROM STEP 8 FOR X, ALSO MUST HAVE FINIAL)
- NE = NEMA LABEL
- P27 = DTL TWISTLOCK PHOTOCONTROL 120-277 VOLT
- P48 = DTL TWISTLOCK PHOTOCONTROL 480 VOLT
- PSC = SHORTING CAP
- L1H = 1.5 FEET OF PREWIRED LEADS
- L03 = 3 FEET OF PREWIRED LEADS
- L10 = 10 FEET OF PREWIRED LEADS
- L20 = 20 FEET OF PREWIRED LEADS
- L25 = 25 FEET OF PREWIRED LEADS
- L30 = 30 FEET OF PREWIRED LEADS

ACCESSORIES

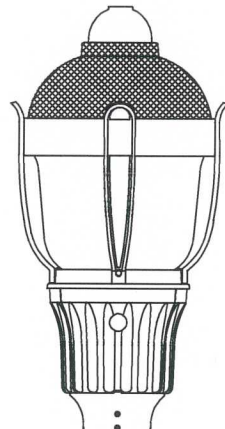
- LAMP = SHIP APPROPRIATE LAMP AS LINE ITEM. SEE LAMP SHEET
- GVBANDX = DECORATIVE BAND (INSERT TRIM FINISH FOR X)
- GVPHOUSE90 = HOUSE SIDE SHIELD 90 DEGREE (NOT AVAILABLE IN 6, 7 OR 8 OPTIC)
- GVPHOUSE12 = HOUSE SIDE SHIELD 120 DEGREE (NOT AVAILABLE IN 6, 7 OR 8 OPTIC)
- GVPHOUSE18 = HOUSE SIDE SHIELD 180 DEGREE (NOT AVAILABLE IN 6, 7 OR 8 OPTIC)
- IG-5 = PLUG-IN REPLACEMENT STARTER FOR HPS UNITS
- IG-6 = PLUG-IN REPLACEMENT PROTECTED STARTER FOR HPS UNITS
- IG-7 = PLUG-IN REPLACEMENT STARTER FOR 70/10/15DMH UNITS

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. HOLOPHANE SHALL BE RESPONSIBLE FOR THE PROPER FIT AND BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE STYLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS WRITTEN NOTICE. HOLOPHANE WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY MANNER THAT MAY BE DETRIMENTAL TO HOLOPHANE OR ITS CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

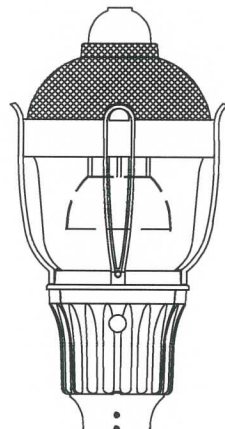
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DWG #: LUM_GVU



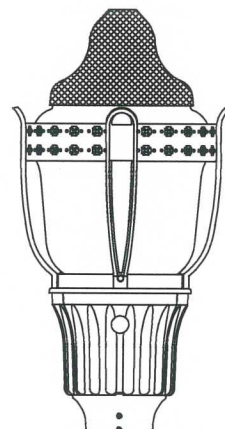
RIBS & BANDS
LUNAR OPTICS



SYRACUSE



SYRACUSE
LUNAR OPTICS



RIBS & BANDS
MAYFIELD COVER



CLEAR FINIAL
NO TRIM OPTIONS
LUNAR OPTICS



CLEAR FINIAL
NO TRIM OPTIONS



FULL COVER
NO TRIM



MAYFIELD COVER
NO TRIM

FINIALS

- BALL
- CLEAR
- EAGLE
- FLOWER
- PAWN
- CROSS
- STANDARD
- ROMAN CROSS

Utility Granville Series Postite

DECORATIVE
OUTDOOR

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS
An Acuity Brands Company
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Specifications

GENERAL DESCRIPTION

The Utility Granville is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Luminaire Series. The traditional acorn shaped luminaire, while reminiscent of the 1920's, contains a precision optical system that maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical system consists of a precisely molded thermal resistant borosilicate glass refractor and top reflector mounted within decorative aluminum ribs and banding. The glass top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. Two decorative aluminum covers are available. A stainless steel hinge and latch allow easy access for relamping. The lower refractor uses precisely molded prisms to maximize pole spacings while maintaining uniform illumination. Three refractors are available, designed for I.E.S. type II, III, and V distributions. The Lunar Optics assembly (IES Cutoff) is standard. It consists of an aluminum plate and anodized, hydroformed reflector designed to restrict intensity at the critical angle.

LUMINAIRE HOUSING

The luminaire housing, cast of aluminum, provides an enclosure for the plug-in electrical module. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head 1/4-20 bolts securely cradle the prismatic glass refractor. The same 1/4-20 bolts support the decorative rib and banding assembly. The nickel plated lamp grip socket and three station incoming line terminal block are prewired to a five conductor receptacle for ease in connection the electrical module. The slipfitter will accept a 3" by 2-7/8" to 3-1/8" O.D. tenon.

LUMINAIRE HOUSING / DOOR

Cast of aluminum, the housing / door is removable without the use of tools and is retained by a nonconductive lanyard. For units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the door contains an acrylic "window" to allow light to reach the cell.

ELECTRICAL MODULE

The ballast components are mounted on a steel plate that is removable without the use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. Where a starting aid is required, it is provided with a separate plug-in connector and can be replaced without the use of tools. For photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock photocell receptacle.

BALLASTS

(Refer to Ballast Data Sheet for specific operation characteristics)

50 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballast are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are CWA ballast. MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High reactance type ballast. MH is compliant with DOE/EISA regulations starting February 10, 2017.

FINISH

The luminaire is finished with polyester powder paint to insure maximum durability.

UL LISTING

The luminaire is UL listed as suitable for wet locations at a maximum 40 degrees C ambient temperature.

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MANUFACTURE OF THE LUMINAIRE DESCRIBED THEREON. THE ORDER NOTED ABOVE, A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	
DRAWN:	RAF
DATE:	02/10/2017
DWG #:	LUM_GVU

**AVILA BEACH
COMMUNITY SERVICES DISTRICT**

Post Office Box 309, Avila Beach, CA. 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager



DATE: December 12, 2018

SUBJECT: Public Hearing and Second Reading of Ordinance No. 2018-01 Regarding Placement and Removal of Garbage and Recycled Material Containers

Recommendation:

Conduct Public Hearing and Consider Adoption of Ordinance No. 2018-01.

Discussion:

At the November 14, 2018, Board meeting staff presented the process of adopting and publishing Ordinance No. 2018-01. The Board adopted a motion to read the Ordinance by title only which constituted the "first reading" of the Ordinance. The Board then adopted a motion to set the public hearing on the Ordinance for the December 12, 2018 Board meeting. The November 14, 2018 staff report is provided for reference as an attachment to this report.

Staff recommends the Board open the public hearing for adoption of the Ordinance, close the public hearing and then consider adoption of Ordinance No. 2018-01.

STAFF REPORT

TO: BOARD OF DIRECTORS

VIA: BRAD HAGEMANN

FROM: MICHAEL W. SEITZ

**RE: PROCESS OF ADOPTING AND PUBLISHING THE ORDINANCE
REGARDING PLACEMENT AND REMOVAL OF GARBAGE AND
RECYCLED MATERIAL CONTAINERS**

DATE: NOVEMBER 14, 2018

At the October 10, 2018, Board meeting staff presented a draft Ordinance regarding placement and removal of garbage and recycled material containers. The Board provided comments on the draft Ordinance and directed staff to continue the process for Ordinance adoption. This staff report summarizes the process for adopting and publishing the Ordinance for placement and removal of garbage and recycled material containers within the Avila Beach Community Services District. Please note there are a number of steps that have to be completed prior to adoption of this Ordinance.

OVERVIEW

How is the District going to control the trash bins sitting on the curb? The Ordinance provides that any can or trash receptacle or green waste receptacle can be placed on the curb twenty four hours in advance of pickup. Once trash is picked up, the customer has twelve hours to remove the receptacle from the curb to a place that is hidden. This process closely mimics that of the City of San Luis Obispo.

In order to adopt this Ordinance, the Board must schedule it for a public hearing. At that first meeting (this meeting), the Board would make a Motion to read the Ordinance by title only. This motion, if adopted, would constitute the “first reading” of the Ordinance. The Board then needs to adopt a motion to set a public hearing on the Ordinance for the December meeting. The Board needs to be completely satisfied with Ordinance at this first meeting.

The December meeting agenda will include a public hearing for adoption of the Ordinance. After closure of the public hearing the Board may adopt the Ordinance. However, if after the public hearing the board wants to change the language in the Ordinance the process starts over. If the Board adopts the Ordinance, the Board should direct staff to publish the entire Ordinance and indicate those voting for and those voting against adoption of the Ordinance. The information should be published at least one time in a newspaper of general circulation within 15 days of adoption. The Ordinance is effective 30 days after adoption.

Staff Report
Avila Beach CSD
November 14, 2018

PROCESS

Although the District has already fulfilled some of these actions, below is a proposed timeline from beginning to end:

- The Board reviews the draft Ordinance at its November meeting. If the Board approves or makes changes the Board by two separate motions directs that the Ordinance be read by title only and sets the public hearing to occur at its December meeting.
- At the December meeting, the matter will be introduced by staff and the President opens the public hearing and takes testimony or public comment. At the conclusion, the Board President closes the public hearing.
- At the conclusion of the public hearing, the Board will take the matter back for Board consideration. Each Board member will have the opportunity to make comments. If there appears to be a majority of Directors that support some change to the Ordinance the process starts over. If no changes are made a motion should be made to read the Ordinance in title only. If this motion fails, then the entire Ordinance would need to be read into the record. The Board then by motion adopts the Ordinance and Directs staff to publish the Ordinance in a newspaper of general circulation within 15 days.
- If the Board adopts the Ordinance at its December meeting the Ordinance would become effective thirty (30) days following that vote.

END OF MEMO

**AVILA BEACH COMMUNITY SERVICES DISTRICT
ORDINANCE 2018-01**

**AN ORDINANCE OF THE BOARD OF DIRECTORS
OF THE AVILA BEACH COMMUNITY SERVICES DISTRICT
REGARDING PLACEMENT AND REMOVAL OF GARBAGE
AND RECYCLED MATERIALS CONTAINERS**

WHEREAS, Avila Beach Community Services District is formed under the Community Services District Law (Govt. Code §6100 et seq.); and

WHEREAS, pursuant to San Luis Obispo County Local Agency Formation Commission (“LAFCO”) action of January 19, 2006, the Avila Beach Community Services District (“District”) is authorized to provide its residents with the collection or disposal of garbage or refuse matter pursuant to Government Code Section 61100 (c); and

WHEREAS, Government Code Section 61600(c) authorizes Community Services Districts to provide the collection or disposal of garbage for refuse matter; and

WHEREAS, the District Board of Directors desires to adopt this Ordinance to establish that trash receptacles are restricted to be on the street no longer than 24 hours on the days of scheduled curbside collection within the District boundaries; and

WHEREAS, based on facts presented by the District staff, the Staff Report and public testimony received, the Board of Directors finds:

- A. The public meetings adopting this Ordinance have been properly noticed pursuant to Government Code §54954.2 (The Brown Act); and
- B. The rules and regulations that are the subject of this Ordinance comply with LAFCO condition that the District shall have the right to amend the rules and regulations pertaining to the collection of solid waste within the District from time to time.

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of the Avila Beach Community Services District as follows:

1. Residential garbage and recycled material containers shall not be placed adjacent to the street for collection more than twenty-four hours before pickup time; and such containers shall be removed within the twelve hour period following pickup. Allow three feet between each container when placing containers on the curb to allow for ease of pick-up.

2. Staff will be enforcing the policy administratively.
3. The Board of Directors finds that the Rules and Regulations adopted by this Ordinance constitute general policy and rule making which are not deemed to be projects pursuant to Public Resource Code §15378 (b) (2).
4. This Ordinance shall take effect and be in full force and effect thirty (30) days after its passage.

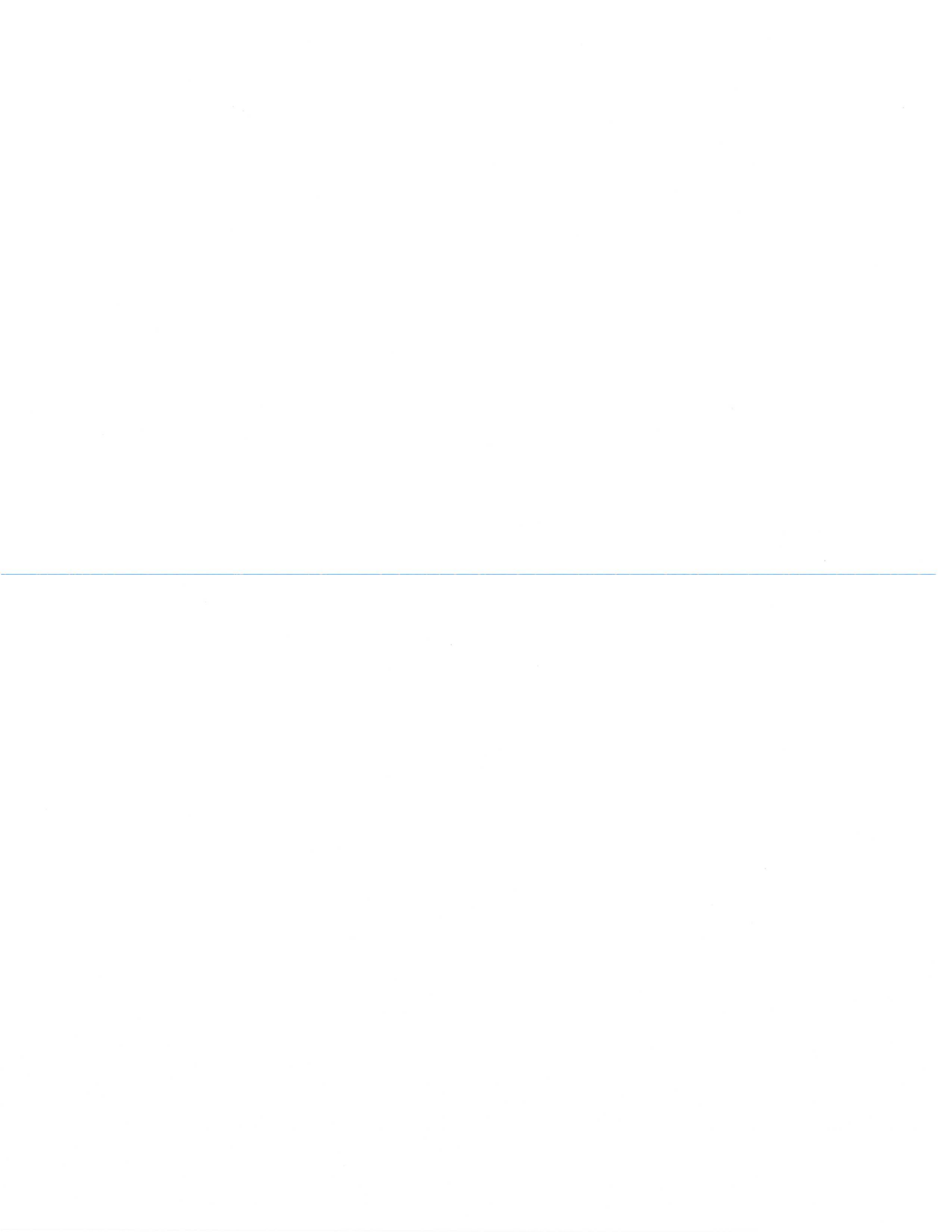
Introduced at a regular meeting of the District Board of Directors held on _____, 2018, and passed and adopted by the District Board of Directors on the ____ day of _____, 2018, by the following roll call vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

Pete Kelley, President, Board of Directors
Avila Beach Community Services District

ATTEST:

Brad Hagemann, General Manager
and Secretary to the Board




AVILA BEACH COMMUNITY SERVICES DISTRICT

Post Office Box 309, Avila Beach, CA. 93424

MEMORANDUM

TO: Board of Directors

FROM: Brad Hagemann, General Manager 

DATE: December 12, 2018

SUBJECT: Award Contract for Engineering Services for Investigation and Preliminary Design Work for the San Miguel Street Sewer Line Replacement Project

Recommendation:

Receive Staff Report and Provide Direction to Staff

Funding:

The approved FY 2018/19 Capital Improvement Program budget includes \$50,000 for the Preliminary Design work for this project.

Discussion:

In 2010 the District retained Wallace Group to prepare an updated Master Plan for the Avila Beach CSD Wastewater Collection System. The Master Plan includes a project to replace the existing 8" gravity sewer line in San Miguel Street from the intersection of First Street and San Miguel Street all the way to the treatment plant. The Master Plan notes the deficiency in the line is "insufficient hydraulic capacity" and recommends the District replace the line with a new 10 inch PVC line. The Master Plan estimated the project would cost approximately \$425,000 in 2010 dollars. That would translate to at least \$500,000 in current dollars.

Staff included this project in the FY 2018/19 Capital Improvement Program budget and initiated the project by soliciting qualifications and quotes for design services from several local engineering design firms, including Michael K Nunley, Diversified Project Services International (DPSI) and Garing, Taylor and Associates (GTA). All three firms estimated the cost to prepare engineering bid documents for the project as described in the Master Plan would be approximately \$50,000. GTA had done some previous engineering work for the District on the sewer collection system and they suggested a meeting with District staff to discuss project alternatives. I met with GTA staff in November to discuss their proposal and their suggestions for validating the existing sewer line conditions and build-out needs for the San Miguel Street sewer collection line prior to initiating this very expensive and very disruptive project.

I agreed that determining the existing conditions of the San Miguel line is a prudent first step for the project and requested GTA to prepare a scope of work that included, Inflow and Infiltration testing and flow monitoring (to determine the amount of rainwater and/or ground water "leaking" in to the collection system); Smoke testing (to determine if any roof drains and/or rain gutters are connected to the system; video inspection; and verification of the sewer invert depths. This information is relevant and needed for design of the project and may allow us to look at less expensive project alternatives.

Staff recommends the Board authorize staff to retain GTA to perform the Testing and Oversight work as outlined in their December 5, 2018, proposal for an amount not to exceed \$21,300 (attached). The majority of the work will be done by others (I & I flow metering by Fluid Resources Management; Smoke Testing and Video Inspection by Mainline). GTA will coordinate and oversee the field work, manage the data results and provide a Technical Memorandum summarizing the findings/conclusions.

In a separate phase, with a separate budget, GTA proposes to prepare a preliminary design report for up to three alternatives with order of magnitude cost estimates for each. Staff recommends the District hold off on implementing Phase 2 until we have had a chance to review the results of Phase 1. Approval of Phase 2 work will come back to the Board for approval at a future meeting.

December 5, 2018

GTA Project No. 18-743.001

Mr. Brad Hagemann, PE
General Manager
Avila Beach Community Services District
Address: 191 San Miguel St, Avila Beach, CA 93424
Phone: (805) 595-2664
hagemann.associates@gmail.com

Subject: Due Diligence and Alternatives Analyses Proposal
San Miguel Ave Sewer Replacement
Avila Beach, California

Dear Mr. Hagemann,

Thank you for requesting a proposal from Garing, Taylor & Associates, Inc. (GTA) for engineering services for the above-reference project. We look forward to being of service.

Per your request to Mr. Jim Garing on September 21, 2018, the subsequent meeting in our Arroyo Grande office on October 30, 2018 and our correspondence since, GTA has prepared this quote for due diligence and alternatives analysis for San Miguel Sewer Replacement project, as a task under our Master Services Agreement with the CSD. The scope of the project will be to perform various forms of testing on the pipe scheduled for replacement, and to evaluate options for the methods and phasing of pipe replacement, as well as temporary alternatives to pipe replacement.

Based on the above, GTA is pleased to offer the following services:

1. Testing and Oversight

GTA has procured proposals from vendors for the following services: I&I Testing, Smoke Testing and Video Inspection. GTA will coordinate the schedule with the district and specialty subcontractors/consultants, with an emphasis on completing tasks and presenting results prior to the January or February Board Meeting. The subconsultants are Fluid Management Resources (FRM – for I&I testing and jetting the lines to be studied) and Mainline Utilities (to provide smoke testing and video inspection).

I&I Testing - GTA and FRM have identified 4 positions to place sensors for I&I testing. The tests will be run for a month, with weekly reporting. GTA will receive the raw data, compare the data to water-meter readings for known tributary properties, and prepare a technical memorandum, explaining the results and implications.

Smoke Testing and Video Inspection – GTA and Mainline have discussed the cost to perform smoke testing and video inspection on approximately 1,000 lineal feet of sewer line. Again, GTA will be on-site to witness the smoke testing, and will review the video from the video inspections to identify areas of pipe that are troublesome.

Sewer Invert Verification – GTA will verify the invert elevation of pipes coming into and leaving each manhole that is lifted during the study. We will attempt to minimize the time and cost required to perform this work by simply shooting rim elevations, then measuring from the rim down to the invert of each pipe.

Pipe Video Inspection	\$1,650.00
Smoke Testing	\$1,650.00

Inflow and Infiltration Testing	\$13,000.00
GTA Oversight, Data-Processing & Technical Memorandum	<u>\$5,000.00</u>
Estimated Fee (T&M):	\$21,300.00

2. Present Alternatives and Cost Estimates

Based on the results of the testing, GTA will prepare preliminary design (15-30 % design) for up to three different alternatives, and prepare order-of-magnitude cost estimates. If the testing indicates a significant portion of the pipe is in satisfactory condition, one option explored will include reducing lift station output on Front Street by shaving impellers and/or adding VFDs. Another option could include only replacing a portion of the sewer main (Front Street to Second Street, for instance). A third option could include pipe bursting for VCP sections. All options will include replacement of the pipe segment crossing Avila Beach Blvd, from the WWTP to San Miguel Ave. Additional items to be analyzed include replacing sewer in the existing trench, or laying pipe in a separate trench. *GTA recommends discussing results of testing and oversight with Client and revising this scope and estimated fee before progressing to this stage of the project.*

Preliminary Design Documents	\$10,000.00
Construction Estimates	\$2,000.00
Findings / Recommendations Memo	<u>\$2,000.00</u>
Estimated Fee (T&M):	\$14,000.00

Assumptions and Exclusions

1. Recent Survey and Design CAD files will be given to GTA (if in Owner possession).
2. The only topographic survey required at this time is to verify the rim and inlet elevations during the testing and oversight phase.
3. Front Station lift station will be off during time of video and smoke testing.

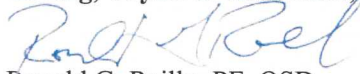
Terms of Services and Compensation

GTA will perform those services based on the terms of the Master Services Agreement between Avila Beach Community Services District and Garing, Taylor & Associates, Inc. Billing and payment will be per the terms of said agreement. Work will commence upon receipt of this executed proposal. This proposal shall be valid for 60 days from the date hereof.

Once again, thank you for requesting a proposal from Garing, Taylor & Associates, Inc.

Most Sincerely,

Garing, Taylor & Associates, Inc.



Ronald G. Reilly, PE, QSD
Vice President / Principal

ACCEPTED

I have read the above, and the attached Exhibit A – Standard Provisions of Agreement (10/1/06 revision) incorporated herein by reference, and agree to the terms and conditions set forth in this proposal.

CLIENT:

Mr. Bradley Hagemann or ABCSD Representative

Date

FEE SCHEDULE
 JANUARY 1, 2017

Fee charges by GARING, TAYLOR & ASSOCIATES, INC. depend on the person or persons performing the work.

<u>CLASSIFICATION</u>	<u>OFFICE</u>	<u>RATE</u>
Principal		150.00-165.00
Land Surveyor		135.00
Survey Technician		80.00
Field Assistant		65.00
Senior Civil Engineer		135.00
Civil Engineer III		125.00
Civil Engineer II		115.00
Civil Engineer I		100.00
Engineering Technician III		90.00
Engineering Technician II		80.00
Engineering Technician I		70.00
Project Coordinator		100.00
Office Manager/Accounting		80.00
Administrative Assistant I		50.00
<hr/>		
	<u>FIELD</u>	
Survey Crew		175.00/385.00*
3-Man Survey Crew		240.00

The above fees include office and field equipment and vehicles. Travel time may be charged for projects located at a significant distance from our office. Any costs for postage, shipping, courier services, photocopies, blueprints, telephone and fax charges, filing fees, current mileage charges as set by the Internal Revenue Service, recording fees, outside professional services, special equipment and other miscellaneous charges are additional unless stated otherwise by agreement.

Prevailing wage rates for field personnel will be Prevailing Wage* billed at the highest rate shown. Prevailing wage billing rates subject to changes in wage determinations by California Division of Labor and Federal Wage Rates.

OVERTIME

Authorized overtime is charged at one and one-half the normal rate and/or as otherwise provided by state and federal law.

EXPERT WITNESS/DEPOSITIONS

Expert Witness Court Appearances and Depositions are billed at a doubled (2X) rate.

Billings shall be paid monthly. Billings unpaid after 30 days will have a service charge of 0.83% per month (10% per year) added.

