



## **TVCS D Board of Director's Meeting Agenda**

**Date: Wednesday, January 8, 2020, 7 pm**

**Location: Tomales Town Hall, Tomales, California 94971**

### **I. Call To Order**

**II. Open Communication** Time for community members and visitors to bring up items they wish to discuss and items that do not appear on the agenda. Added items will be included under Other Business.

**III. Approval of January 8, 2020 BOD Agenda** Action

**IV. Board Member Reports**

**V. Approval of November 13, 2019 Minutes** Action

**VI. TVCS D Board Officer Elections** Action

**VII. Committee Reports**

- a. Park Advisory Committee (PAC)
  1. Update on gazebo demolition and bark for playground
- b. Financial Advisory Committee (FAC)
  1. No meetings were held in November or December

**VIII. Financial Report (Melinda Bell)**

- a. Accept Check Registers and Approve Expenditures Action
- b. Financial Manager's Report
- c. Review and Approve Financial Statements Action

**IX. General Manager's Report**

**X. NSU Report**

- a. Review October & November 2019 reports

**XI. Pending Business:**

- a. Micro-grid update: See Shoreline Unified School District article in the Pt. Reyes Light
- b. Five (5) year Strategic Planning Update

**XII. Other Business**

**XIII. New Business**

**XIV. Old Business**

**XIV. Correspondence**

**XV. Adjournment**

**TVCS D MISSION STATEMENT:** *Enhance quality of life, with commitment to the health of the community, by providing dependable wastewater collection, treatment and reuse in an environmentally friendly manner; maintaining safe and reliable recreational park facilities while providing a welcoming forum for active community participation and input.*

*The agenda and supporting documents can be accessed on the TVCS D website 72 hours prior to the meeting. Anyone requesting disability related accommodations may contact the district office 72 hours prior to the meeting.*

PO Box 303 ● Tomales, CA ● 94971 ● ph 707.878.2767 ● [www.tomalescsd.ca.gov](http://www.tomalescsd.ca.gov)

Board of Directors:

Dru Fallon O'Neill, President ● Donna Clavaud, Vice President ● Bill Bonini ● Peter MacLaird ● Deborah Parrish



## TVCS D Board of Director's Meeting Minutes

Date: Wednesday, November 13, 2019 7 – 9 pm

Location: Tomales Town Hall, Tomales, California 94971 **DRAFT**

**Board Members Present:** Dru Fallon O'Neill, President; Donna Clavaud, Vice President; Bill Bonini, Deborah Parrish

**Board Members Absent:** Peter MacLaird

**Also Present:** Jose Ortiz, TVCS D General Manager Manager; Cynthia Hammond, TVCS D Recording Secretary; Walter Earle, Park Committee Chair; Venta Leon, Community Member

### I. Call To Order

Dru Fallon O'Neill called the meeting to order at 7:08 p.m.

**II. Open Communication** Time for community members and visitors to bring up items they wish to discuss and items that do not appear on the agenda. Added items will be included under Other Business.

None.

### III. Approval of November 13, 2019 TVCS D BOD Agenda

Deborah Parrish motioned to approve the November 13, 2019 TVCS D Board Agenda. Bill Bonini seconded the motion. M/S/C

### IV. TVCS D Board Member Reports

None.

### V. Approval of October 9, 2019 TVCS D BOD Minutes

Donna Clavaud requested to change last line under the PAC Committee Report to read: "Walter Earle received an expenditure report from Kevin Wright regarding Measure A expenses".

Donna Clavaud motioned to approve the TVCS D October 9, 2019 minutes with the above amendment. Bill Bonini seconded the motion. M/S/C

### VI. Committee Reports

#### a. Park Advisory Committee (PAC)

1. October 2019 meeting was cancelled; no quorum. The next PAC meeting is scheduled for November 25, 2019.

Walter Earle will contact Applied Landscaping Materials to order fifty (50) cubic yards of bark for the Park. Tim Furlong will demolish the gazebo.

b. Financial Advisory Committee (FAC)

1.) Review approved October 23, 2019 FAC Meeting Minutes  
Minutes were reviewed.

2.) Approve recommendation from FAC regarding Auditor selection for the next three (3) years.  
Deborah Parrish recommends TVCSD keep the current Auditor for the next three (3) years.

Bill Bonini motioned to retain the current Auditors for the next three (3) years. Deborah Parrish seconded the motion. M/S/C

3.) Recommendation to approve one (1) free hour of CSDA legal counsel to review & Assess TVCSD 1999 By-Laws.

Donna Clavaud said the primary agenda item for the meeting was the 1999 TVCSD By-Laws. It was noted that the TVCSD By-Laws were a combination of a government agency and a non-profit corporation with a "voting membership". This meant that a 2/3<sup>rd</sup>'s membership vote was needed to make any By-Laws amendment. Other CSDA By-Law models were reviewed by FAC; Donna Clavaud recommends the TVCSD Board of Directors approve one (1) free hour of CSDA legal counsel to review & assess TVCSD 1999 By-Laws.

Donna Clavaud motioned that the TVCSD Board of Directors approve a free one (1) hour CSDA counsel to review TVCSD's 1999 By-Laws and to ask questions regarding rewriting and amending the TVCSD 1999 By-Laws. Deborah Parrish seconded the motion. M/S/C

**VII. Financial Report (Melinda Bell)**

a. Accept Check Registers and Approve Expenditures:

Deborah Parrish motioned to accept check registers and approve expenditures. Donna Clavaud seconded the motion. M/S/C

b. Financial Manager's report:

Financial Manager's report was reviewed.

c. Review and Approve Financial Statements:

Deborah Parrish motioned to approve financial statements. Bill Bonini seconded the motion. M/S/C

d. Approve 2018/2019 Expenditure Report for the Park:

Deborah Parrish motioned to approve the expenditure report for the Park. Donna Clavaud seconded the motion M/S/C

## **VIII. General Manager's Report**

General Manager's report was reviewed.

Jose Ortiz reported progress is being made to the SCADA system. JM Integration is analyzing the system; two (2) level monitors will replace the failed ones at the treatment plant and will be installed and calibrated in two (2) weeks. This will result in a functioning SCADA system.

Jose Ortiz will update the Capital Improvement Plan (CIP) before the next budget review.

The Closed Circuit TV (CCTV) inspection of 3,000 feet of sewer main is scheduled this month.

Jose Ortiz and Melinda Bell have been communicating with Scott Hochstrasser regarding overbilling for sewer fees for his Highway 1 property and premature billing of the annual sewer fee for the new connection on John Street.

Jose Ortiz is releasing the RFP for Park projects tomorrow, November 14, 2019 and is also sending the RFP's to two (2) potential contractors. The due date for applications will be January 15<sup>th</sup>, 2020.

The power outage didn't cause problems with the Plant, but it did for the Park. Donna Clavaud asked Jose Ortiz keep in touch with the TVCSD Board during power outages.

## **IX. NSU Report**

a. Review August 2019 NSU report. (The report was for September, not August)  
NSU report was reviewed.

## **X. Pending Business**

a. Direct General Manager to Develop Policies, Protocols & Inspections for New Connections, Service Fees & Inspections Immediately.

Donna Clavaud requests the need for TVCSD to have clear, written guidelines for policies, protocols, inspections and service fees for the sewer district. Jose Ortiz will follow up with County Planning & Local Agency Formation Commission (LAFCO) in regards to written procedures for annexations.

Donna Clavaud motioned to direct General Manager, Jose Ortiz to draft guidelines for policies, procedures, protocols, inspections, and service fees for TVCSD. Deborah Parrish seconded the motion. M/S/C

Donna Clavaud amended the above motion to include annexations.

## **XI. Other Business**

None

## **XII. New Business**

a. Introduce Renewable Energy Micro-grid for Tomales Area.

Donna Clavaud said she has been researching and developing resource lists for Renewable Energy Micro-grids. Jose Ortiz has been contacted by Ciel & Terre, a Petaluma firm specializing in large scale floating solar panels for ponds and water collection systems. Ciel & Terre will be invited to give a presentation to the TVCSD Board of Director's at a future meeting.

## **XIII. Old Business**

None

**XIV. Correspondence**

None

**XV. Adjournment**

Regular meeting was adjourned at 8:41 pm. for Closed Session. No objections.

**CLOSED SESSION**

**XV. Conference with Labor Negotiators (Pursuant to Government Code Section 54957.6)**

Agency Designated Representatives: TVCSD Board of Directors

Contractor: District General Manager

**XVI. Return to Open Session**

**XVII. Report out of Closed Session**

Practices and procedures were reviewed with General Manager to improve working towards the mutual goals of the District and staff.

**XVIII. Adjournment**

Adjourned at 10:00 pm.

**Next TVCSD BOD Meeting, January 8, 2020, 7 pm at Tomales Town Hall**

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Approved by: Dru Fallon O’Neill, President

Date:

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Attested by: Cynthia Hammond, Recording Secretary

Date:

**TVCS D MISSION STATEMENT:** *Enhance quality of life, with commitment to the health of the community, by providing dependable wastewater collection, treatment and reuse in an environmentally friendly manner; maintaining safe and reliable recreational park facilities while providing a welcoming forum for active community participation and input.*

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Board of Directors:

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**Tomales Village Community Services District  
Bank Activity December 2019**

<b>PARK</b>	<b>Type</b>	<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Memo</b>	<b>Amount</b>	<b>Balance</b>
<b>131.00 · Cash</b>	<b>Beginning Balance</b>						<b>199,709.74</b>
<b>131.48 · CA LAIF</b>	<b>Beginning Balance</b>						<b>30,430.45</b>
Total 131.48 · CA LAIF	<b>Ending Balance</b>						<b>30,430.45</b>
<b>131.42 · Bank of Marin - Money Market</b>	<b>Beginning Balance</b>						<b>74,237.45</b>
	Deposit	12/31/2019			MM interest	6.34	<b>74,243.79</b>
Total 131.42 · Bank of Marin - Money Market	<b>Ending Balance</b>						<b>74,243.79</b>
<b>131.46 · Bank of Marin - Park Account</b>	<b>Beginning Balance</b>						<b>95,041.84</b>
	Bill Pmt -Check	12/13/2019	1270		10/25-11/22 PG&E	-71.43	<b>94,970.41</b>
	Payment	12/28/2019			Henry Elfstrom	70.00	<b>95,040.41</b>
	Deposit	12/31/2019			Checking interest	0.41	<b>95,040.82</b>
Total 131.46 · Bank of Marin - Park Account	<b>Ending Balance</b>					-1.43	<b>95,040.82</b>
<b>TOTAL PARK CASH</b>	<b>Ending Balance</b>						<b>199,715.06</b>
<b>SEWER</b>							
<b>131.00 · Cash</b>	<b>Beginning Balance</b>						<b>227,067.71</b>
<b>131.20 · CA Local Agency Investm Fnd</b>	<b>Beginning Balance</b>						<b>71,004.38</b>
Total 131.20 · CA Local Agency Investm Fnd	<b>Ending Balance</b>						<b>71,004.38</b>
<b>131.31 · Redwood Credit Union</b>	<b>Beginning Balance</b>						<b>40,608.58</b>
	Deposit	12/31/2019			RCU interest	14.91	<b>40,623.49</b>
Total 131.31 · Redwood Credit Union	<b>Ending Balance</b>						<b>40,623.49</b>
<b>131.42 · Bank of Marin - Money Market</b>	<b>Beginning Balance</b>						<b>48,739.53</b>
	Deposit	12/13/2019			County Service Charges	69,347.43	118,086.96
	Deposit	12/16/2019			315.50 · Levy 4	9.03	118,095.99
	Transfer	12/17/2019			Funds Transfer	-30,000.00	88,095.99
	Deposit	12/31/2019			MM interest	5.62	88,101.61
Total 131.42 · Bank of Marin - Money Market	<b>Ending Balance</b>					39,356.46	<b>88,101.61</b>
<b>131.44 · Bank of Marin - Sewer</b>	<b>Beginning Balance</b>						<b>45,247.75</b>
	Bill Pmt -Check	12/01/2019	4741	Capital One Bank		-15.90	45,231.85
	Bill Pmt -Check	12/01/2019	4742	CSDA	2019/2020 dues	-1,112.00	44,119.85
	Bill Pmt -Check	12/01/2019	4743	Kristin Lawson	rent Dec-Feb 2020	-300.00	43,819.85
	Bill Pmt -Check	12/01/2019	4744	SWRCB	2019/2020 annual permit fee facility 2.215072001	-1,313.00	42,506.85
	Bill Pmt -Check	12/01/2019	4745	SWRCB SRF Loan	C-06-4633-110	-24,137.68	18,369.17
	Bill Pmt -Check	12/01/2019	4749	Brelje and Race Laboratories, Inc.		-343.00	18,026.17
	Bill Pmt -Check	12/01/2019	4750	Natural Systems Utilities	350276 & 350308 Dec Services and 2 hours 10/27	-4,461.80	13,564.37
	Bill Pmt -Check	12/13/2019	4751	PGE	8044736439-1	-68.92	13,495.45
	Transfer	12/17/2019			Funds Transfer	30,000.00	43,495.45
	Bill Pmt -Check	12/17/2019	4752	AT&T Uverse	145835838 12/07-1/06	-130.97	43,364.48
	Bill Pmt -Check	12/17/2019	4753	Brelje and Race Laboratories, Inc.		-308.00	43,056.48
	Bill Pmt -Check	12/17/2019	4754	JM Integration LLC	November 1-18 equipment upgrade, SCADA phone support, 2 level sensors and 40 hours	-10,089.99	32,966.49
	Bill Pmt -Check	12/17/2019	4755	Marin County Tax Colle	County Counsel Jul-Sept audit response	-113.50	32,852.99
	Bill Pmt -Check	12/18/2019	4756	Melinda K. Bell	18.5 hours November	-647.50	32,205.49
	Bill Pmt -Check	12/26/2019	4757	AT&T	138729848 12/11-1/10	-90.95	32,114.54
	Payment	12/28/2019		Tomales Regional Histry Center		81.90	32,196.44
	Deposit	12/31/2019			Checking interest	0.15	32,196.59
Total 131.44 · Bank of Marin - Sewer	<b>Ending Balance</b>					-13,051.31	<b>32,196.59</b>
<b>131.48 · Bank of Marin - Solar</b>	<b>Beginning Balance</b>						<b>21,467.47</b>
	Bill Pmt -Check	12/01/2019	1007	City National Bank	#09-006	-17,941.18	3,526.29
	Bill Pmt -Check	12/01/2019	1008	Municipal Finance Corp	#09-006	-750.00	2,776.29
	Deposit	12/31/2019			Solar interest	0.06	2,776.35
Total 131.48 · Bank of Marin - Solar	<b>Ending Balance</b>					-18,691.18	<b>2,776.35</b>
<b>SEWER CASH</b>	<b>Ending Balance</b>					7,613.97	<b>234,702.42</b>



## **Financial Manager's Report January 8, 2020**

This month's December 31 financial reports give a significant indication of the results of this year financially. They do not give a 100% clear comparison with last year's first six months because not all invoices for expenses in the first half of the year have been received. However, we can see the trends from this half-year.

Park cash has increased \$31,000 since December 31 a year ago due to delayed expenditures. Sewer cash increased \$14,000 largely due to the receipt of a connection fee since December 2018. Sewer cash at December 31, 2018 had already increased \$20,000 from December 2017 due to the rate increase and another connection fee. The worrisome drain on cash reserves has been alleviated these past two years with a total \$34,000 increase after eight consecutive years of declining cash balances. The cash outlay for debt reduction, not included in budgeted expenses, has already occurred this year as in every December.

In reviewing the budget comparisons July through December, we see that both Park and Sewer income are slightly above budget, but Park expenses still await finding contractors. Sewer expenses without depreciation are approximately \$21,000 under budget. Recording \$22,000 in depreciation brings the net results still slightly better than budget because of the positive \$5,660 income variance. The positive Sewer expense budget variance without depreciation is due to many small differences, unpaid administrator's charges, and CIP expenses earlier in the year than budgeted. This year's CIP expenses were for long-awaited SCADA system integration and leave \$4,500 to spend in the rest of the year for CIP.

Because historically we have begun the budget planning process in February with the first presentation in April following by a public hearing in May and adoption in June, we should start planning the process for the 2020/2021 budget. If we are going to have the public hearing and adoption at the July meeting, we should probably delay our budget work until March or April.

**Tomales Village Community Services District  
Comparative Balance Sheets December 31 2019 and 2018**

PARK PROGRAM		Dec 31, 19	Dec 31, 18
<b>ASSETS</b>			
	131.48 - CA LAIF	30,430.45	0.00
	131.42 - Bank of Marin - Money Ma	74,243.79	35,442.84
	131.46 - Bank of Marin - Park Acco	95,040.82	133,159.74
	<b>Total 131.00 - Cash</b>	<b>199,715.06</b>	<b>168,602.58</b>
<b>Fixed Assets</b>			
	100.20 - Land and Land Rights	132,000.00	132,000.00
	Original Cost	314,653.66	314,653.66
	105.00 - Depreciation	-74,326.10	-66,695.00
	<b>Total 111.00 - Park Equipment</b>	<b>240,327.56</b>	<b>247,958.66</b>
	<b>Total Fixed Assets</b>	<b>372,327.56</b>	<b>379,958.66</b>
<b>TOTAL ASSETS</b>		<b>572,042.62</b>	<b>548,561.24</b>
<b>LIABILITIES &amp; EQUITY</b>			
<b>Liabilities</b>			
	222.00 - Accounts Payable	0.00	3,780.28
	217.00 - Unearned Revenue	25,000.00	25,000.00
	<b>Total Liabilities</b>	<b>25,000.00</b>	<b>28,780.28</b>
<b>Equity</b>			
	252.50 - Investment in Capital Ass	372,327.56	379,958.66
	260.00 - Unassigned Fund Balanc	158,413.97	128,545.05
	Net Income	16,301.09	11,277.25
	<b>Total Equity</b>	<b>547,042.62</b>	<b>519,780.96</b>
<b>TOTAL LIABILITIES &amp; EQUITY</b>		<b>572,042.62</b>	<b>548,561.24</b>
<b>SEWER PROGRAM</b>			
<b>ASSETS</b>			
	131.20 - CA Local Agency Investm	71,004.38	0.00
	131.31 - Redwood Credit Union	40,623.49	116,464.74
	131.42 - Bank of Marin - Money Ma	88,101.61	86,716.04
	131.44 - Bank of Marin - Sewer	32,196.59	15,343.91
	131.48 - Bank of Marin - Solar	2,776.35	2,467.23
	<b>Total 131.00 - Cash</b>	<b>234,702.42</b>	<b>220,991.92</b>
<b>Fixed Assets</b>			
	100.00 - Property, Plant and Equip	791,665.97	791,665.97
	100.10 - Maps and Records	17,248.00	17,248.00
	100.20 - Land and Land Rights	52,788.00	52,788.00
	105.00 - Less Accumulated Deprec	-709,884.65	-662,757.66
	110.00 - Improvement Project	939,393.31	939,393.31
	112.00 - Solar System	269,945.21	269,945.21
	<b>Total Fixed Assets</b>	<b>1,361,155.84</b>	<b>1,408,282.83</b>
	136.00 - SUSD Note Receivable	13,359.01	15,094.35
<b>TOTAL ASSETS</b>		<b>1,609,217.27</b>	<b>1,644,369.10</b>
<b>LIABILITIES &amp; EQUITY</b>			
<b>Liabilities</b>			
	222.00 - Accounts Payable	303.00	9,776.54
	<b>Total Accounts Payable</b>	<b>303.00</b>	<b>9,776.54</b>
	230.00 - Fed Payroll Tax Payab	19.13	38.25
	231.00 - CA Payroll Tax Payable	11.00	0.00
	<b>Total Current Liabilities</b>	<b>333.13</b>	<b>9,814.79</b>
<b>Long Term Liabilities</b>			
	211.00 - SWRCB SRF Loan	70,941.37	92,760.05
	215.00 - CREBS Bond	107,647.02	125,588.20
	<b>Total Long Term Liabilities</b>	<b>178,588.39</b>	<b>218,348.25</b>
	<b>Total Liabilities</b>	<b>178,921.52</b>	<b>228,163.04</b>
<b>Equity</b>			
	262.00 - Capital Asset Reserve	40,000.00	40,000.00
	262.50 - Restricted Connection Fe	10,000.00	0.00
	264.00 - Operating Reserve	47,627.50	44,572.00
	265.00 - Net Assets - Unrestricted	1,276,665.91	1,283,866.95
	Net Income	56,002.34	47,767.11
	<b>Total Equity</b>	<b>1,430,295.75</b>	<b>1,416,206.06</b>
<b>TOTAL LIABILITIES &amp; EQUITY</b>		<b>1,609,217.27</b>	<b>1,644,369.10</b>



	PARK	BUDGETARY COMPARISON	Budget	Jul 1 - Dec 31, 19
<b>Income</b>	<b>311.00 · Interest Income</b>		427.74	224.45
	315.80 · Measure A Funds		17,500.01	17,927.75
	320.00 · Contributions Income		0.00	285.00
	322.00 · Park Use Rental - Other		200.00	600.00
	322.60 · Water Tower PGE		417.74	420.00
<b>Total Income</b>			<b>18,545.49</b>	<b>19,457.20</b>
<b>Expense</b>	<b>414.57 · Accounting</b>		700.00	201.25
	414.74 · Park Maintenance		6,009.00	0.00
	414.81 · Measure A Project Expenses		8,000.00	850.00
	414.82 · Measure A Maintenance Expenses		646.45	375.35
	414.83 · PGE Park		688.50	435.61
	414.84 · Measure A Capital Expenditures		89,354.84	0.00
	414.87 · Measure A Project Management		3,410.00	1,170.00
<b>Total 414.80 · Measure A</b>			<b>102,099.79</b>	<b>2,830.96</b>
	6420 · Park Trash Disposal		250.00	123.90
<b>Total Expense</b>			<b>109,058.79</b>	<b>3,156.11</b>
<b>Net Income</b>	<b>PARK</b>		<b>-90,513.30</b>	<b>16,301.09</b>
<b>SEWER</b>		<b>BUDGETARY COMPARISON</b>		
<b>Income</b>	<b>301.10 · Service Charges - Monthly</b>		491.40	491.40
	301.15 · Service Charges - Annual Fees		1,965.60	1,965.60
	301.20 · Service Charges - SUSD		64,299.00	58,925.72
	301.35 · Solar Portion - County		8,280.00	0.00
	301.30 · Service Charges - County - Other		56,251.27	64,745.88
	303.10 · Permit and Inspection Fees		0.00	250.00
	303.00 · Connection Fees - Other		0.00	10,000.00
	305.00 · SUSD Sinking Fund		8,062.00	8,062.00
	311.00 · Interest Income		1,291.58	1,430.83
	315.50 · Levy 4		4,359.55	4,789.02
<b>Total Income</b>			<b>145,000.40</b>	<b>150,660.45</b>
<b>Expense</b>	<b>413.00 - Grounds Maintenance</b>		4,766.25	800.00
	410.10 · Sewage Collection Electric		202.38	117.56
	410.00 · Sewage Collection - Other			23.90
	411.05 · Lab Bills		4,409.00	3,818.00
	411.10 · Maintenance Supplies		1,844.43	631.52
	411.03 · Sewage Treatment Electric		-2,814.97	-4,082.24
	411.00 · Sewage Treatment - Other		0.00	42.22
	412.10 · Sewage Disposal Electric		185.73	-132.81
	412.00 · Sewage Disposal - Other		425.00	39.42
	414.11 · Social Security Tax		114.40	0.00
	414.12 · Medicare Payroll Tax		24.65	0.00
	414.13 · State Unemployment Tax		90.10	11.00
	414.05 · Administrator's Fees		23,590.25	6,305.00
	414.22 · Licenses and Permits		1,376.00	1,645.00
	414.31 · Property & Liability Insurance		7,736.80	8,289.01
	414.33 · Worker's Comp Insurance		853.84	758.38
	414.41 · Postage and Delivery		28.17	-6.63
	414.42 · Printing and Copies		0.00	0.00
	414.43 · Office Supplies		26.64	0.00
	414.44 · Sonic - Web Hosting		49.80	33.11
	414.45 · Equipment Expense		321.64	403.34
	414.465 · Board Member Stipend		2,500.00	250.00
	414.467 · Board Training		500.00	0.00
	414.47 · Clerical/Bookkeeping		5,891.25	4,751.25
	414.48 · Office Rent		600.00	600.00
	414.49 · Secretary		1,646.02	952.38
	414.50 · O&M Contractual Services		26,019.92	25,675.80
	414.551 · Legal Fees		1,250.00	113.50
	414.552 · Accounting		5,300.00	5,300.00
	414.61 · Newsletter Expense		250.00	0.00
	414.62 · Dues and Subscriptions		1,225.00	1,262.00
	414.67 · Solar Lease Admin Fee		750.00	750.00
	414.724 · SCADA Programming & Integration		0.00	10,089.99
	414.81 · Travel		388.37	73.03
	414.83 · Meetings and Seminars		0.00	0.00
	414.85 · Training		200.00	0.00
	414.90 · Telephone and Internet Services		1,249.50	1,298.07
	417.30 · LAFCO Charges		189.89	158.40
	417.40 · County Teeter Admin Fee		69.50	138.00
	420.20 · Interest Expense - SRF Loan		2,319.16	2,319.00
<b>Total Expense Without Depreciation</b>			<b>93,578.72</b>	<b>72,427.20</b>
<b>Net Income without Depreciation</b>			<b>51,421.68</b>	<b>78,233.25</b>
	415.50 · Depreciation Expense		0.00	22,251.65
<b>Net Income</b>			<b>51,421.68</b>	<b>55,981.60</b>

# GENERAL MANAGER'S REPORT

JANUARY 8, 2020

## STATUS OF THE SCADA SYSTEM REPAIR PROJECT

In November JMIntegration diagnosed our SCADA system to determine the inability to download data into report form and other issues such as false alarms and diminished remote access and control. They discovered that the report builder database needed to be rebuilt entirely. Other deficiencies that were found included numerous operating system updates that were never installed and a lapse in the SCADApone software license, necessitating renewal.

In addition to the above work, two failed pond level transmitters were replaced and calibrated. Coincidentally, while waiting for the level transmitters to be delivered, the third pond level transmitter failed also. We will replace it next fiscal year when the SCADA issues at the storage ponds are evaluated.

Currently the SCADA reporting system is working properly.

## STATUS OF THE GAZEBO PROJECT

The plans and specifications have been re-advertised with a Proposal deadline date of February 12, 2020. To generate interest we have sent copies of the plans and specifications to a couple of contractors who expressed interest in this project. The old gazebo has been removed due to its deteriorated condition.

## STATUS OF THE CCTV INSPECTION PROGRAM

We have contacted Roy's Sewer Service to begin the video inspection of the entire collection system. They will apprise us of the next available scheduling option. Emphasis will be on the sewer mains from First Street to the plant since January has been fairly dry and will allow truck access for the inspection. The sewer mains through town will be inspected during or shortly after rain events to better gauge the amount of inflow and infiltration.

## STATUS OF THE CIP PROJECTS

To date the under drain sump pump and motor have been replaced.

Two of the level transmitters have been replaced at the treatment ponds.

All of the "big gun" sprinklers at the irrigation site have been replaced.

Half of the Rainbird type sprinklers have been replaced.

After the CCTV inspection, we will update the CIP plan for the next five years and ten years.



November 15, 2019

Mr. Blair Allen  
Regional Water Quality  
San Francisco Bay Region  
1515 Clay Street Suite 1400  
Oakland, CA 94612

**Emailed To:**  
**WDR.monitoring@waterboard.ca.gov**

RE: Self-Monitoring Report  
Tomales, Marin County  
Order No. R2-2015-0019  
I.D. No. 264662  
October 2019

Mr. Allen

Enclosed please find the Self-Monitoring Report, operations are satisfactory and maintenance on schedule.

I certify under the penalty of law that this document and all attachments have been prepared under my direction or supervision in accordance with a system designed to assure that qualified personal proper gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,  
**NATURAL SYSTEMS UTILITIES**

Brandon Jacka  
Chief Plant Operator  
Certified Chief Plant Operator #V 42398

cc: Tomales Village Community Service District  
Vanessa Zubkousky, Department of Public Health, Richmond

NSU-CA was formerly Phillips Services Inc. dba Phillips & Associates

## SELF MONITORING REPORT

Date	INF (INFLUENT)						EFF-TR (Treatment Pond No. 3 Eff)										EFF-Flow		EFF-D (Discharge eff)	
	Daily (KGALS)	Weekly (KGALS)	Ph (Units)	Temp. ( C )	BOD (mg/l)	TDS (mg/l)	Nitrate as N	Nitrite as N	TKN mg/L	Amonnonia N mg/L	Tot. Organic Nitrogen mg/L	TDS (mg/L)	BOD mg/l)	pH Units	D.O. (mg/l)	Temp ( C )	Daily (KGALS )	Weekly (KGALS)	C12 Tank Level (inches)	Coliform MPN/100
10/1/2019	17600.0	90289.0			230.0	590.0	<0.20	<0.40	12.0	0.3	12.0	550.0	9.8	9.7	6.3	20.8	56400.0	725458		<2.0
10/2/2019	17600.0																56400.0			
10/3/2019	17600.0																56400.0			
10/4/2019	17600.0																56400.0			
10/5/2019	17600.0																56400.0			
10/6/2019	17600.0																56400.0			
10/7/2019	17600.0																56400.0			
10/8/2019	17600.0																56400.0			
10/9/2019	17600.0																56400.0			
10/10/2019	17600.0		9.0	19.5													56400.0			
10/11/2019	26200.0	90465.0									350.0	8.7	8.1	5.7	22.2	#####	726022		<2.0	
10/12/2019	26200.0																#####			
10/13/2019	26200.0																#####			
10/14/2019	26200.0																#####			
10/15/2019	26200.0																#####			
10/16/2019	26200.0																#####			
10/17/2019	24000.0	90622.0									510.0	26.0	9.2	5.8	20.0	51600.0	726634		<2.0	
10/18/2019	24000.0																51600.0			
10/19/2019	24000.0																51600.0			
10/20/2019	24000.0																51600.0			
10/21/2019	24000.0																51600.0			
10/22/2019	29600.0	90742.0									560.0	9.9	9.3	5.7	15.5	59100.0	726894		<2.0	
10/23/2019	29600.0																59100.0			
10/24/2019	29600.0																59100.0			
10/25/2019	29600.0																59100.0			
10/26/2019	29600.0																59100.0			
10/27/2019	29600.0																59100.0			
10/28/2019	29600.0																59100.0			
10/29/2019	29600.0												9.0	4.8	15.1	59100.0				
10/30/2019	29600.0																59100.0			
10/31/2019	29600.0										530.0	7.1				59100.0				
<b>Max</b>	29600.0	90742.0	9.0	19.5	230.0	590.0	0.0	0.0	12.0	0.3	12.0	560.0	26.0	9.7	6.3	22.2	#####	726894.0	0.0	0.0
<b>Min</b>	17600.0	90289.0	9.0	19.5	230.0	590.0	0.0	0.0	12.0	0.3	12.0	350.0	8.7	8.1	4.8	15.1	51600.0	725458.0	0.0	0.0
<b>Mean</b>	23986.7	90529.5	9.0	19.5	230.0	590.0	#DIV/0!	#DIV/0!	12.0	0.3	12.0	492.5	13.6	9.1	5.7	18.7	65530.0	726252.0	#DIV/0!	#DIV/0!
<b>Total</b>	719600.0																#####			



# TOMALES TREATMENT PONDS STANDARD OBSERVATION REPORT

1. Reporting period (Month/Year) **October 2019**

2. Pond Standard Observation required every week year round.

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	10/1/2019	10/11/2019	10/17/2019	10/22/2019
Day	TUE	FRI	TUE	TUE
Time	14:30	15:00	11:00	9:00
Operator	AG	AG	AG	AG
* Nuisance odors from ponds	N	N	N	N
* Evidence of pond berm seepage	N	N	N	N
Evidence of improper system components and hydraulic integrity	N	N	N	N
Sign posting that wastewater is unsafe to drink	Y	Y	Y	Y

Report Yes or No and any Yes responses please report immediately to supervisor or Chief Plant Operator

# TOMALES INFLUENT HEADWORKS

## STANDARD OBSERVATION REPORT

1. Reporting period (Month/Year)

**October 2019**

2. Influent Headworks Standard Observation required every week year round.

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	10/1/2019	10/11/2019	10/17/2019	10/22/2019
Day	TUE	FRI	TUE	TUE
Time	14:30	15:00	11:00	9:00
Operator	AG	AG	AG	AG
Rain fall, inches	0	0	0	0
* Nuisance odors (smell)	N	N	N	N
* Evidence of any standing water	N	N	N	N
* Evidence of mosquitos breeding	N	N	N	N
* Evidence of improper system components and hydraulic integrity	N	N	N	N
* Evidence of structure seepage	N	N	N	N

**\* Report Yes or No and any Yes response s report immediately to supervisor or Chief Plant Operator**

**TOMALES STORAGE PONDS  
STANDARD OBSERVATION REPORT**

1. Reporting period (Month/Year)

**October 2019**

2. Storage Pond Standard Observation required every week year round.

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	10/1/2019	10/11/2019	10/17/2019	10/22/2019
Day	TUE	FRI	TUE	TUE
Time	14:30	15:00	11:00	9:00
Operator	AG	AG	AG	AG
- Nuisance odors from ponds	N	N	N	N
* Evidence of pond berm seepage	N	N	N	N
* Evidence of improper system components and hydraulic integrity	N	N	N	N
Signage that wastewater is unsafe to drink	Y	Y	Y	Y

Report Yes or No and any Yes responses please report immediately to supervisor or Chief Plant Operator



**TOMALES CHLORINE STORAGE TANK  
STANDARD OBSERVATION REPORT**

1. Reporting period (Month/Year)

**October 2019**

2. Chlorine Storage Tank Standard Observation required every week year round.

INSPECTION	Week1	Week 2	Week 3	Week 4
Date	10/1/2019	10/11/2019	10/17/2019	10/22/2019
Day	TUE	FRI	TUE	TUE
Time	14:30	15:00	11:00	9:00
Tech	AG	AG	AG	AG
* Evident of any leaks	N	N	N	N
Tank level, inches	10	10	10	10
Cl2 gallons added	0	0	0	0
Gallons used for treatment since last check	0	0	0	0
Warning Signs Improperly Posted	N	N	N	N

3. \* Any Yes response s please report immediately to supervisor

4. I certify that this report information, to the best of my knowledge is true and correct.

1 inch = 8 gallons

**TOMALES WASTEWATER TREATMENT FACILITY  
STANDARD OBSERVATION REPORT  
FIELD DISCHARGE AREA**

Month: October 2019

**OBSERVATIONS ARE TO BE PERFORMED WEEKLY WHEN IRRIGATION IS RUNNING**

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	10/1/2019	10/11/2019	10/17/2019	10/22/2019
Day	TUE	FRI	TUE	TUE
Time	14:30	15:00	11:00	9:00
Operator	AG	AG	AG	AG
Evidence of standing water	N	N	N	N
* Evidence of runoff from site	N	N	N	N
Evidence of erosion caused by irrigation	N	N	N	N
Evidence of system run off containment system from proper condition and integrity.	N	N	N	N
*Any odors	N	N	N	N
Mosquito breeding resulting from irrigation	N	N	N	N
* Evidence of improper distribution system components and hydraulic integrity	N	N	N	N
Perimeter fence posting informing public wastewater is not safe to drink	Y	Y	Y	Y
Sodium Hypochloride tank level, inches	10	10	10	10

If irrigation runoff is evident, estimate size of effected area (include sketch)

\*\* If odors evident, note source and area affected.



(707) 254-1931



December 13, 2019

Mr. Blair Allen  
Regional Water Quality  
San Francisco Bay Region  
1515 Clay Street Suite 1400  
Oakland, CA 94612

**Emailed To:**  
**WDR.monitoring@waterboard.ca.gov**

RE: Self-Monitoring Report  
Tomales, Marin County  
Order No. R2-2015-0019  
I.D. No. 264662  
November 2019

Mr. Allen

Enclosed please find the Self-Monitoring Report, operations are satisfactory and maintenance on schedule.

I certify under the penalty of law that this document and all attachments have been prepared under my direction or supervision in accordance with a system designed to assure that qualified personal proper gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,  
**NATURAL SYSTEMS UTILITIES**

Brandon Jacka  
Chief Plant Operator  
Certified Chief Plant Operator #V 42398

cc: Tomales Village Community Service District  
Vanessa Zubkousky, Department of Public Health, Richmond

NSU-CA was formerly Phillips Services Inc. dba Phillips & Associates

## SELF MONITORING REPORT

Date	INF (INFLUENT)						EFF-TR (Treatment Pond No. 3 Eff)										EFF-Flow Discharge		EFF-D (Discharge eff)	
	Daily (KGALS)	Weekly (KGALS)	Ph (Units)	Temp. ( C )	BOD (mg/l)	TDS (mg/l)	Nitrate as N	Nitrite as N	TKN mg/L	Amonnonia N mg/L	Tot. Organic Nitrogen mg/L	TDS (mg/L)	BOD (mg/l)	pH Units	D.O. (mg/l)	Temp ( C )	Daily (KGALS )	Weekly (KGALS)	C12 Tank Level (inches)	Coliform MPN/100
11/1/2019	17.6																NO	Discharge		
11/2/2019	17.6																			
11/3/2019	17.6																			
11/4/2019	17.6																			
11/5/2019	17.6	70.4	9.1	15.8	360.0	770.0	0.3	<0.40	10.0	0.4	10.0	550.0	18.0	8.2	5.4	16.3			2.0	2.0
11/6/2019	17.6																			
11/7/2019	17.6																			
11/8/2019	17.6																			
11/9/2019	17.6																			
11/10/2019	17.6	88.0																		
11/11/2019	26.2																			
11/12/2019	26.2										500.0	42.0	7.6	3.1	17.2					
11/13/2019	26.2																			
11/14/2019	26.2																			
11/15/2019	26.2																			
11/16/2019	26.2	157.2																		
11/17/2019	24.0																			
11/18/2019	24.0																			
11/19/2019	24.0																			
11/20/2019	24.0										450.0	26.0	9.0	3.9	15.0					
11/21/2019	24.0	120.0																		
11/22/2019	29.6																			
11/23/2019	29.6																			
11/24/2019	29.6																			
11/25/2019	29.6																			
11/26/2019	29.6										600.0	22.0	6.1	8.4	9.1					
11/27/2019	29.6																			
11/28/2019	29.6	207.2																		
11/29/2019	29.6																			
11/30/2019	29.6																			
<b>Max</b>	29.6	207.2	9.1	15.8	360.0	770.0	0.3	0.0	10.0	0.4	10.0	600.0	42.0	9.0	8.4	17.2	0.0	0.0	2.0	2.0
<b>Min</b>	17.6	70.4	9.1	15.8	360.0	770.0	0.3	0.0	10.0	0.4	10.0	450.0	18.0	6.1	3.1	9.1	0.0	0.0	2.0	2.0
<b>Mean</b>	24.0	128.6	9.1	15.8	360.0	770.0	0.3	#DIV/0!	10.0	0.4	10.0	525.0	27.0	7.7	5.2	14.4	#DIV/0!	#DIV/0!	2.0	2.0
<b>Total</b>	719.6																0.0			



**TOMALES TREATMENT PONDS  
STANDARD OBSERVATION REPORT**

1. Reporting period (Month/Year)                      **November 2019**

2. Pond Standard Observation required every week year round.

<b>INSPECTION</b>	<b>Week No. 1</b>	<b>Week No. 2</b>	<b>Week No. 3</b>	<b>Week No. 4</b>
Date	11/5/2019	11/12/2019	11/20/2019	11/26/2019
Day	TUE	TUE	WED	TUE
Time	12:00	12:00	9:30	15:20
Operator	AG	AG	AG	AG
* Nuisance odors from ponds	N	N	N	N
* Evidence of pond berm seepage	N	N	N	N
Evidence of improper system components and hydraulic integrity	N	N	N	N
Sign posting that wastewater is unsafe to drink	Y	Y	Y	Y

Report Yes or No and any Yes responses please report immediately to supervisor or Chief Plant Operator

# TOMALES INFLUENT HEADWORKS

## STANDARD OBSERVATION REPORT

1. Reporting period (Month/Year)

**November 2019**

2. Influent Headworks Standard Observation required every week year round.

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	11/5/2019	11/12/2019	11/20/2019	11/26/2019
Day	TUE	TUE	WED	TUE
Time	12:00	12:00	9:30	15:20
Operator	AG	AG	AG	AG
Rain fall, inches	0	0	3	0
* Nuisance odors (smell)	N	N	N	N
*Evidence of any standing water	N	N	N	N
* Evidence of mosquitos breeding	N	N	N	N
*Evidence of improper system components and hydraulic integrity	N	N	N	N
* Evidence of structure seepage	N	N	N	N

**\* Report Yes or No and any Yes response s report immediately to supervisor or Chief Plant Operator**

**TOMALES STORAGE PONDS  
STANDARD OBSERVATION REPORT**

1.Reporting period (Month/Year) **November 2019**

2.Storage Pond Standard Observation required every week year round.

<b>INSPECTION</b>	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	11/5/2019	11/12/2019	11/20/2019	11/26/2019
Day	TUE	TUE	WED	TUE
Time	12:00	12:00	9:30	15:20
Operator	AG	AG	AG	AG
- Nuisance odors from ponds	N	N	N	N
* Evidence of pond berm seepage	N	N	N	N
* Evidence of improper system components and hydraulic integrity	N	N	N	N
Signage that wastewater is unsafe to drink	Y	Y	Y	Y

Report Yes or No and any Yes responses please report immediately to supervisor or Chief Plant Operator



**TOMALES CHLORINE STORAGE TANK  
STANDARD OBSERVATION REPORT**

1. Reporting period (Month/Year)

**November 2019**

2. Chlorine Storage Tank Standard Observation required every week year round.

<b>INSPECTION</b>	Week1	Week 2	Week 3	Week 4
Date	11/5/2019	11/12/2019	11/20/2019	11/26/2019
Day	TUE	TUE	WED	TUE
Time	12:00	12:00	9:30	15:20
Tech	AG	AG	AG	AG
* Evident of any leaks	N	N	N	N
Tank level, inches	10	10	10	10
Cl2 gallons added	0	0	0	0
Gallons used for treatment since last check	0	0	0	0
Warning Signs Improperly Posted	N	N	N	N

3.\* Any Yes response s please report immediately to supervisor

4. I certify that this report information, to the best of my knowledge is true and correct.

1 inch = 8 gallons

**TOMALES WASTEWATER TREATMENT FACILITY  
STANDARD OBSERVATION REPORT  
FIELD DISCHARGE AREA**

Month: November 2019

OBSERVATIONS ARE TO BE PERFORMED WEEKLY WHEN IRRIGATION IS RUNNING

INSPECTION	Week No. 1	Week No. 2	Week No. 3	Week No. 4
Date	11/5/2019	11/12/2019	11/20/2019	11/26/2019
Day	TUE	TUE	WED	TUE
Time	12:00	12:00	9:30	15:20
Operator	AG	AG	AG	AG
Evidence of standing water	N	N	N	N
* Evidence of runoff from site	N	N	N	N
Evidence of erosion caused by irrigation	N	N	N	N
Evidence of system run off containment system from proper condition and integrity.	N	N	N	N
*Any odors	N	N	N	N
Mosquito breeding resulting from irrigation	N	N	N	N
* Evidence of improper distribution system components and hydraulic integrity	N	N	N	N
Perimeter fence posting informing public wastewater is not safe to drink	Y	Y	Y	Y
Sodium Hypochloride tank level, inches	10	10	10	10

If irrigation runoff is evident, estimate size of effected area (include sketch)

\*\* If odors evident, note source and area affected.



(707) 254-1931

A valley man is asking the county and the San Geronimo Valley Planning Group to cede interest in a short connector road, seen above, that bisects his two parcels. The planning group, which owns many such roads in the valley, says there is benefit in keeping it public.

# Valley man stakes claim to paper road with barrel, then sues

By Anna Guth

A man who owns two parcels divided by a public road in Woodacre has sued the county and the San Geronimo Valley Planning Group with the hope of gaining exclusive

access.

Bruce Wick does not contend that he owns the road but asks the county and the planning group, which has a legal interest in the road, to award him the title. In recent months, he took the mat-

ter into his own hands, blocking the road with a barrel and later filling it with concrete to prevent residents from moving it.

The dispute has involved residents who like to use the short road to bypass a blind turn onto

San Geronimo Valley Drive at the intersection with Railroad Avenue.

County counsel has until Jan. 11 to file a response to the lawsuit. A date for the first hearing is set for March 6 in Marin Superior Court.

Mr. Wick's suit, filed by attorneys Edwin Bradley and Daniel Raff in Petaluma, first establishes his ownership of the two parcels on either side of the unnamed road with coun-

Please turn to page 6

# Shoreline explores microgrid for Tomales

By Braden Cartwright

A company that specializes in microgrids will look at how to create one in Tomales, at the behest of Shoreline Unified School District. The dis-

trict's board in December approved a memorandum of understanding with the Utah company CleanSpark to conduct a feasibility study on how a microgrid could power critical systems in Tomales during an

outage.

The company, whose San Diego office is handling the project, will return to the board in March to present the study, describing how a microgrid can generate power for the

school and the surrounding community in a sustainable and economically viable manner.

The project aims to generate more than half of the

Please turn to page 7

ing coastal development regulations.

Please turn to page 9

# Tomales Bay Resort downsizes kayaking

By Braden Cartwright

Hoping to boost business at his Tomales Bay Resort, owner Jeff Harriman has ended Blue Waters Kayaking's lease at its launch of 20 years, leaving the company without a shoreside rental location as of December.

Blue Waters owners John and Pamalah Granatir said they did not see eye to eye with Mr. Harriman, who desired a joint venture with the lessor of his beach area. "I couldn't see a basis for a partnership, given that we had such different values and such

different objectives," Mr. Granatir said. "It's hard enough to partner with somebody when you're both on the same page, but if you really diverge from the beginning, it's not going to work."

Mr. Harriman has since embarked on a joint venture with Tomales Bay Expeditions, a start-up run by former Blue Waters employees Cooper Jolley and Brett Miller. The pair will have a smaller presence on the beach, where Blue Waters had served about 5,000 customers a

Please turn to page 6

# Shoreline explores microgrid for Tomales

Continued from page 1

school district's energy use in Tomales and reduce current use by 5 percent. Beyond the school district, the grid would allow Tomales residents and workers to use solar energy both as an island or while connected to the Pacific Gas & Electric grid.

The boundaries of the microgrid would be determined by the location of the circuit breakers on PG&E's grid. Residents would need to be informed to power down both when PG&E is incentivizing de-energization and when the microgrid is the only source of power.

"Should we do our work properly, the community will get behind it, and they will be talking about it in terms of 'our microgrid,'" said Gerry Vurciaga, CleanSpark's director of partners and alliances.

The project would include solar panels on the roofs of Tomales High and Tomales Elementary Schools, the Shoreline district office and the maintenance garage. Generators and energy storage would be installed at the high school, and the sites would be connected using PG&E's lines.

During an outage, a battery would power the grid for about two hours after the sun goes down, after which a generator would kick in. A second battery under

## Nature Notebook By Loretta Farley

The first of the annual meteor showers, the Quadrantids, originates in Boötes, the plowman constellation. This shower of about 40 per hour may be seen at around 1 a.m. from Jan. 1 through Jan. 5, in the eastern skies.

The full moon of Jan. 10 is called "when snow blows like spirits in the wind" by the Arapaho of the Great Plains and "whirling winds moon" by the Passamaquoddy of Maine. The full moon will continue the pattern of mid-morning extreme high tides, which will peak at 6.7 feet on Friday and Saturday, Jan. 10 and 11. What might wash up on the beaches, especially alongside a high surf alert?

Charismatic megafauna such as male northern elephant seals arriving on park beaches tend to draw attention away from the smaller flora and fauna of winter months. Masses of red and black ladybird beetles, also known as ladybugs, have converged in a bay tree along the Earthquake Trail; this hibernation strategy helps them ward off cold temperatures. Puffballs, a white mushroom resembling a golf ball, are growing along many trails.

News from the national seashore: Beginning Jan. 5, the camp desk will be cashless. Backpack camp fees and annual passes may only be paid with credit or debit cards.

consideration at the elementary school could store power for another two hours.

The high school uses 250 kilowatt hours of energy every year, but its roof can support up to 750 kilowatt hours a year, Mr. Vurciaga said. By applying for PG&E incentives and selling excess energy to the California wholesale market or to Marin Clean Energy, the microgrid could pay for itself. "We are going to find every dime of savings," he said.

CleanSpark's software optimizes every 15 minutes to get the best price on energy, and it can turn off systems when they are not needed.

PG&E's automated demand-response program incentivizes businesses to have energy management controls that reduce

electricity consumption when demand is high. When the demand and price of energy go up, PG&E asks participants in the program to reduce consumption, then awards rebates based on how much energy is shed. If more residents participate, the district and CleanSpark can recuperate more construction costs.

The district will determine what should be turned off during an outage by conducting practices in which the schools would power down to critical loads.

CleanSpark first looked at a microgrid project at Bodega Bay Elementary School two years ago, but it was denied a \$3 million grant proposal to the California Energy Commission.

Mr. Vurciaga said he expects to know

how much this project will cost the district before his March presentation.

Once the board receives the feasibility study, it will have 120 days to decide whether to move forward. If trustees approve the project, CleanSpark would start a second feasibility study on a microgrid at West Marin and Inverness Schools while securing building permits and an interconnection agreement with PG&E.

"Believe it or not, PG&E is not always cooperative in terms of doing those interconnection agreements," Mr. Vurciaga said. Still, he believes construction could begin in the summer and the grid could be operable in September.

In exchange for the feasibility study, which CleanSpark is funding, the district agreed it would not negotiate a microgrid project with another entity until the study is complete, and would return the plans if it declines the project.

**Correction:** Our Dec. 19 article about Marin Sun Farms and changes at its Petaluma slaughterhouse incorrectly stated that the company added pig processing a year ago. In fact, Rancho Feeding—the previous owner of the facility—added that service about a year before it went out of business in 2014. The article also implied that transporting meat in an ice chest was not allowed by the Federal Meat Inspection Act. Guidelines recommend that meat is moved in a vehicle dedicated to transporting food, but this is not a requirement.



**Source:** Ciel & Terre

September 18, 2018 08:45 ET

## **Ciel & Terre Delivers First California Public Floating Solar System for Lake County Special Districts – Kelseyville County Waterworks, Dist. #3**

*International Innovator in “Floatovoltaic” Technology Enables 252kW Clean Energy Project by Floating 720 Solar Panels on Kelseyville Wastewater Treatment Pond*

KELSEYVILLE, Calif., Sept. 18, 2018 (GLOBE NEWSWIRE) -- Ciel & Terre USA ([www.ciel-et-terre.net](http://www.ciel-et-terre.net)), innovators in floating solar power systems, today announced completion of a new 252 kW floating photovoltaic power system for the Lake County Special Districts on behalf of Kelseyville County Waterworks Dist. #3 in partnership with local contractor North Coast Solar. Financed by a municipal lease, the Ciel & Terre® Hydrelío solar power system is being floated on a man-made wastewater treatment pond in Kelseyville and is expected to produce up to 1,650 kWh in its first year.

This is the first public floating solar power system installed in California. The installation itself consists of 720 floating solar panels mounted together and delivering electrical power safely to shore using solar optimizers provided by SolarEdge to maximize inverter output. The municipal lease for the installation gives the county positive cash flow starting the first year, so no cash investment was required to pay for the system. Once the Kelseyville solar installation proves successful, the Lake County Special District is considering installing additional floating solar power systems around the county.

“We are excited to be able to take advantage of clean energy using Ciel & Terre’s floating solar systems,” said Jan Coppinger, Special Districts Administrator for Lake County. “We didn’t have available land or rooftop space suitable for this project, but our wastewater treatment pond had enough surface area to accommodate a sizable solar system. Floating is a great way to control algae growth in the pond at the same time we generate virtually free energy. All costs to provide utilities continue to increase, which forces Special Districts to seek out and implement any means possible to reduce future costs. This floating solar system will result in significant savings in future years.”

Floating solar is an ideal solution for any utility district since it generates clean energy at the same time it provides other water conservation benefits. Floating a solar array on man-made bodies of water improves energy production by keeping the solar system cooler. At the same time it reduces evaporation, controls algae growth, and reduces water movement to minimize bank erosion. It also makes optimal use of pond surfaces, providing clean solar energy without committing expensive real estate or requiring rooftop installations.

“Municipal water districts, wineries, farms, and others want to adopt solar but they don’t want to commit land that could be used for other purposes,” said Eva Pauly-Bowles, Representative Director for Ciel & Terre USA, Inc. “Installing floating solar systems gives them ready access to green energy while helping them manage their water resources. We expect we will see more demand for floating solar systems, especially in light of California’s commitment to produce only carbon-free electricity by 2045.”

The Kelseyville project is only one of four floating solar power installations being completed this summer using the patented Ciel & Terre® Hydrelío system in Q3 2018 delivering 5.3 MW.

### **About Ciel & Terre**

Established in 2006 as a renewable Independent Power Producer (IPP), Ciel & Terre has been fully devoted to floating solar PV since 2011. The French company pioneered Hydrelío®, the first specific and industrialized system to make solar panels float on water, with criteria such as cost-effectiveness, safety, longevity, resistance to winds and waves, simplicity, drinking water compliance, and optimized electrical yield.

Ciel & Terre has floating solar installations in Japan, Korea, China, UK, France, Brazil, Singapore, Malaysia, Italy, Taiwan as well as the United States. The company has its United States headquarters in Petaluma, California.

For more information, visit [www.ciel-et-terre.net](http://www.ciel-et-terre.net).

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A photo accompanying this announcement is available at

<http://www.globenewswire.com/NewsRoom/AttachmentNg/0d155e6b-7e8d-4bfd-9b4d-0c814af32384>

**Attachments:**



• The Ciel & Terre Hydrelío Floating Solar Power System installed at the Kelseyville County Waterworks, Dist. #3