

Big Lagoon Community Services District

PO Box 847 Trinidad, CA 95570 biglagooncsd@gmail.com

REGULAR MONTHLY BOARD MEETING AGENDA

The regular meeting of the Board of Directors of the Big Lagoon Community Services District will be held Tuesday, May 18 at 6:00 p.m.

Due to the coronavirus pandemic, and until further notice, this and upcoming BLCSD meetings will be held using ZOOM.

The public may submit written comments or questions on any agenda item to the Board at: biglagooncsd@gmail.com up until 5:00 PM on Monday, May 17, 2021, or verbally request being added to one or more agenda items after the Call to Order.

The **[[Information Packet]]** for this meeting is attached to the emailed Agenda.

You can also request the Packet by emailing biglagooncsd@gmail.com.

To join via ZOOM:

<https://us02web.zoom.us/j/84470447217?pwd=WWxHYXNha2RoczZ5SUtmUU1GNENxdz09>

To join by phone: 1-669-900-9128
533165

Meeting ID: 844 7044 7217

Passcode:

1. Chair's Call to Order (Bill)
2. Invite public to address item(s) on the Agenda (Bill)
3. Agenda for May 18, 2021 (Bill) Amend / Approval
4. April 17, 2021 **[[Unapproved Meeting Minutes]]** (Bill) Amend / Approval
5. Vice-Chair's Report (Gus)
6. Treasurer's Report (Dick)
 - 6.1 May Financials **[[P&L, Balance Sheet]]**
 - 6.2 Upcoming Rate Adjustment
7. Leak adjustment policy (Chuck)

8. Website status report **[[BLCSD Logo]]** (Joey)
9. Water Operator's Report **[[2020 Consumer Confidence Report]]** (Val)
10. Meter Reader's Report (Dana)
11. Storage Capacity & Fire Suppression status report (Dick)
12. Public Comment – Any member of the public may address the Board on any item that is not on the agenda. By law, the Board cannot take action on items that are not on the agenda.
13. Future Agenda Items from Board Members
14. **Stakeholders Q&A Meeting on Thursday, May 20, at 6:00 PM**

Join Zoom Meeting

<https://us02web.zoom.us/j/82449893078?pwd=ODhyUHNKVVJEkd56dkdjTzd1SIN5dz09>

By phone: (669) 900-9128 Meeting ID: 824 4989 3078 Passcode:
654875

15. Adjourn

Meeting Packet Documents

Agenda Item 4: Unapproved Meeting Minutes April 17, 2021

Agenda Item 6.1: P&L Statement, Balance Sheet

Agenda Item 8: Big Lagoon CSD Logo

Agenda Item 9: 2020 Consumer Confidence Report

Community Correspondence

BIG LAGOON COMMUNITY SERVICES DISTRICT

Unapproved MINUTES of the Regular Monthly Board Meeting - Saturday, April 17, 2021 - 2:00 PM

Teleconference Via Zoom

OPEN SESSION

1. Chair's Call to Order (Bill)

The open/regular meeting of the Big Lagoon Community Services District convened at 2PM.

Board members in attendance: Bill Wenger, Chair; Gus Satein, Vice Chair; Dick Maier, Treasurer;

Chuck King, Director; Joey Blaine, Director

Staff in attendance: Mara Friedman, Board Secretary; Val Castellano, Water Operator

Guest Speaker: Tom Warnock

Community members in attendance: John Donohoe, Margie Adler

2. Invite Public to Address Item(s) on the Agenda (Bill)

There were no public comments.

3. Agenda for April 17, 2021 (Bill) Amend / Approval

There were no changes to the agenda.

Agenda is approved as distributed by Bill.

4. March 20, 2021 Meeting Minutes (Bill) Amend / Approval

There were no changes to the meeting minutes.

Minutes are approved as distributed by Bill.

5. Water System Improvements Project (Tom Warnock, Principle Engineer, PACE Engineering)

Tom Warnock, Principle Engineer from Pace Engineering, presented his overall assessment of the state of our water system. He has many years experience with water utilities and is currently working with both Orick CSD and Westhaven CSD on updating their water systems. Bill and John took Tom on a tour of our current water system, starting at the school and walking the entire district.

Tom's assessment is summarized here: Our water system is old and in need of major improvements, such as (but not limited to), a new pumping station, a new tank, and a new well. We need to address our fire flow capacity, which is extremely inadequate. It's important to note that due to increased fire danger, some insurers are cancelling rural policies. When asked about the life expectancy of our current system, Tom replied that we are vulnerable to system failures, and living day-to-day.

Upgrading water systems is very costly and Pace is experienced with finding funding, including grants, as well as obtaining low interest loans. Significant funding is needed for planning and design, as well as for construction. The state offers grants to water districts if there is a water quality issue, but we don't have that problem and don't qualify. Because our water district serves the elementary school, this may help us in receiving funding. Tom's rough cost estimate for all the upgrades he believes are needed is 3 million.

There is no one-way to solve our water system improvement needs. There are many options to consider, from top of the line to bare bones. A Preliminary Engineering Report (PER) is the driving document needed that outlines the entire project, and is a key component in applying for funds to USDA RD. The estimated cost to

prepare a PER is \$40k, and a grant for \$30k of that amount may be available from USDA RD. The estimated time frame for completion of this project is approximately 4 years. Additional detailed information is available by contacting the Water Storage Working Group (Bill, Dick, & John D.).

6. Roadwork completion and new ¼ turn valve install (Gus)

6.1 Scott Miller came out with his crew on March 30th. Their bobcat operator spent 5 hours contouring the turn in the road, filling potholes and ditches, and distributing 20 yards of gravel. The road turning radius was increased from 12 ft to 20 ft and will now accommodate almost any vehicle. Gus is very pleased with the work accomplished.

6.2 Val and John Morgan and were able to replace the valve at 181 OV without having to shut off the water to the neighborhood. The new valve is smooth operating and can be turned by hand without difficulty. It can be locked if the district needs to do so, and it allows the homeowner to easily shut off the water when necessary. Val is pleased with this ¼ turn shutoff valve and would like us to purchase an additional ten more. Gus is impressed with this particular valve, and fully endorses Val's recommendation. There are a few locations in our district that are known to need of a new valve. A survey will be conducted to identify what other connections need their valves replaced. Gus mentioned being away a lot in April, and will do the best he can to attend to this project upon his return.

7. Website 'biglagooncsd.org' is open for business (Joey)

Joey shared our new website on zoom. It is in full state compliance. There is a long way to go to meet full WCAG compliance, but we will work together to make this happen.

Joey had a meeting with Streamline regarding their new online payment feature. If we decide to go with this option, we would be responsible for paying the 3.8% processing fee.

Joey brought to our attention a very helpful shortcut on the Homepage: clicking on the Board Meetings box shows the agenda packet.

Because the agenda information is now on our website, Gus asked if Mara still needs to send out the agenda via email? Margie commented that we need to encourage our community to use the website. This will be a gradual transition. Perhaps after 6 months or so, Mara will not need to send an email agenda announcement, although she does not mind doing this at all.

7.1 Submit a Mission Statement – A mission statement is integral to our website. Bill submitted the following mission statement as a placeholder until we discuss and vote on the final:

Neighbors working together to ensure Big Lagoon Community Service District's water needs are met today, tomorrow, and into the future.

Both Joey and Gus think Bill's statement is very good. Bill and Joey are hoping that there will be more mission statement suggestions in the weeks to come. Perhaps at the next meeting we can vote on our final mission statement?

7.2 submit feedback - Val would like to include a link for the California Water Watch website, which has a wealth of information. Joeys confirmed that this is doable.

8. Leak Adjustment Policy (LAP) (Chuck) Amend/Approval

Chuck thanked Catherine, Rob and Greg for working together to create the very comprehensive LAP Draft, which is included in the agenda package for review and comment.

The LAP work group researched many districts around the state to compile their draft. Bill feels the document represents a lot of good info, but he would like to hear what other board members have to say. Gus thinks it's a comprehensive document that will serve our community well. He also thinks the document should be circulated within our community for feedback and Chuck concurs. All board members agree with the recommendation to hold off on a vote until our May meeting,

In response to Val's question, the agenda is posted at the school, but not the packet (which contains this document). To bring this document to our community's attention one more time, Dick will include the LAP Draft in the May 1 billing and Joey will make it more visible on our website.

9. Capital Improvement Funding (CIF) (Dick)

Bill is skeptical that we need to pay 40k for an environmental impact (EIR) report. He met with the Humboldt Planning Department and they said we do not need this. Chuck and Bill discussed that the EIR may be necessary to open doors to possible grant money.

Bill estimated our needs for CIF are: 10k for PER report (to match 30k grant from USDA); 20k for the geotechnical report; and approximately 8k for the Coastal Commission Permit. He said we have a lot of information to digest and that there is no need to make a decision today. He prefers we have a special meeting on this issue, giving the community 24 hours notice. Chuck agrees that we need to be very careful as to how we spend our funds. He questioned if we need the EIR to get grant money funding, even if we don't need it to get the permits?

Regarding fire prevention at the school: Bill explained that to run new 6" pipe from the well site to the school to achieve necessary fire flow is estimated to cost \$150K. He thinks for roughly the same amount of money, we can continue to use our existing 2 1/2 " PVC pipe. Were we to add a new 100k gallon tank on the school grounds dedicated to fire suppression, with a pump, a back-up generator, and a couple of fire hydrants, we might avoid having to install a 6" main. This would benefit not only the school, but the Rancheria and the Cabin Corporation as well. Linda, the school superintendant, and Dana both support having a new tank at the school.

If we can't get sufficient grant funds, then we have to consider other options, and determine our minimum water storage requirements. What can we afford using a long term, low interest loan? If we go the route of a loan, perhaps the Rancheria would partner with us in helping out with the school's fire flow situation?

Dick estimated our cash on hand to be \$138k. Our annual operating budget is approximately \$17 to 20k. If we set aside 2 years of funding as our reserve, we would have approx 95-100k available for this capital investment. Setting aside approximately half this amount may be what is needed for the Capital Improvement Fund.

If we do get a loan, a \$300k loan over 30 years is an \$1800/mo payment, which is well within our reach. If the loan is \$600k over 30 years, the \$3600/mo payment pushes our budget.

Before casting a vote on the CIF, Gus would like the Board to develop a cost benefit analysis that illustrates all the options that have been discussed. This would be a flow chart, laying out goals and estimated costs for each possible course of action. Chuck agrees with this suggestion.

Bill and Dick will work on developing a flow chart together. Dick said that this entire subject is extremely complex, as each decision tree is filled with many possible contingencies and associated lines of action/costs. Bill feels that we need to be highly engaged in this process and not simply turn it over to Pace.

MISC comments:

Val suggested a new well at the school would be a good idea.

The school's 'plate is full' and they don't have the time to pursue the fire flow issue at this time.

USDA rural development does fund projects concerning fire flow.

Joey gave kudos to the past board for developing our relatively considerable cash reserves.

10. Public Comment – Any member of the public may address the Board on any item that is not on the agenda. By law, the Board cannot take action on items that are not on the agenda.

10.1 Val noted that the generator was serviced yesterday. Our insurer told him that the reason we are rated 10 (lowest rating) on the fire exposure chart is because we are so far away from the nearest firehouse. He strongly suggests that we partner with the Rancheria and Corporation in creating our own fire fighting capabilities. He will mail the consumer confidence report out to everyone and he expressed the importance of posting information at the school, as not everyone uses email.

10.2 John Donohoe spoke with county planner Steve Madrone regarding the possibility that our local fire station, just north of Trinidad, may become a seasonal station due to lack of funding. If that happens, we will only have the Westhaven volunteer fire department to help us in an emergency. He also noted that State Farm wrote his homeowner's insurance policy (over 30 years ago) only because of the proximity of a fire hydrant to his home. He does not think we currently have enough water available to put out a house fire and he feels that our community is in a bad situation regarding fire protection.

11. Future Agenda Items from Board Members

11.1 Decision Making Flow Chart (Bill and Dick)

11.2 Rate Adjustment (Bill and Dick)

Dick suggested it is time to consider a water rate increase. Bill noted that our water district currently enjoys extremely cheap water relative to the rest of the state. It's been 5 years since we adjusted our rates and the state suggests rates be adjusted for inflation and O&M expenses every 5 years. Bill is learning about how to legally and fairly set rates.

12. Adjourn

With no other business, the Chair adjourned the meeting at 4:44 pm.

Next regular meeting will be May 22 at 2pm on Zoom.

Submitted by Mara Friedman, Board Secretary

Big Lagoon Community Services District
Balance Sheet
As of April 30, 2021

	Apr 30, 21
ASSETS	
Current Assets	
Checking/Savings	
Umpqua Checking	140,106.56
Total Checking/Savings	140,106.56
Accounts Receivable	
Accounts Receivable	13,470.47
Total Accounts Receivable	13,470.47
Total Current Assets	153,577.03
Fixed Assets	
Water System	
Well Improvements	3,072.10
LP Tank	2,889.62
Fence	4,998.21
Pressure System 2011	10,038.00
2-5,000 Gal Tanks	19,700.82
Well 2010	18,647.44
Improvements	3,017.40
Chlorinator	2,627.00
Electrical System	9,931.00
Fire hydrants	8,520.86
Generator	13,998.00
Initial Purchase	75,000.00
Accumulated Depreciation	-150,612.35
Total Water System	21,828.10
Total Fixed Assets	21,828.10
Other Assets	
Start Up	
Start-up Expenses	6,666.84
Amortized Amount	-6,666.84
Total Start Up	0.00
Total Other Assets	0.00
TOTAL ASSETS	175,405.13
LIABILITIES & EQUITY	
Equity	
Retained Earnings	167,231.18
Net Income	8,173.95
Total Equity	175,405.13
TOTAL LIABILITIES & EQUITY	175,405.13



BIG LAGOON

COMMUNITY SERVICES DISTRICT



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MEETINGS

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BLCSD provides water to 40 residential connections in the Roundhouse Creek Road and Oceanview Drive areas of the census designated place of Big Lagoon, CA as well as Big Lagoon Elementary School.

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Big Lagoon Community Services District Profit & Loss Budget Performance April 2021

	Apr 21	Budget	Jan - Apr 21	YTD Budget	Annual Budget
Ordinary Income/Expense					
Income					
Base Rate - Monthly	0.00	0.00	8,230.14	8,300.00	24,900.00
Service Revenue	0.00	0.00	0.00	0.00	600.00
Water Usage Income	0.00	0.00	2,813.01	2,200.00	7,400.00
Installation Revenue	0.00	0.00	0.00	0.00	0.00
Adjustment / Returned Check	0.00	0.00	0.00	0.00	0.00
Total Income	<u>0.00</u>	<u>0.00</u>	<u>11,043.15</u>	<u>10,500.00</u>	<u>32,900.00</u>
Gross Profit	0.00	0.00	11,043.15	10,500.00	32,900.00
Expense					
Non-Cash Expenses					
Depreciation Expense	0.00	0.00	0.00	1,892.00	7,568.00
Total Non-Cash Expenses	0.00	0.00	0.00	1,892.00	7,568.00
Operational Expenses					
Election	0.00	0.00	0.00	0.00	0.00
Supplies	0.00	25.00	0.00	100.00	300.00
Dues	0.00	0.00	275.00	150.00	336.00
Electric	205.13	380.00	829.58	1,520.00	4,560.00
Gas	0.00	30.00	429.72	120.00	360.00
Insurance	0.00	0.00	0.00	0.00	3,800.00
Maintenance	0.00	400.00	0.00	1,600.00	4,800.00
Office Supplies	0.00	10.00	149.90	40.00	120.00
Postage	0.00	20.00	220.00	40.00	156.00
Water Testing	360.00	120.00	965.00	480.00	1,440.00
Water Distribution Operator	0.00	100.00	0.00	400.00	1,200.00
Total Operational Expenses	<u>565.13</u>	<u>1,085.00</u>	<u>2,869.20</u>	<u>4,450.00</u>	<u>17,072.00</u>
Total Expense	<u>565.13</u>	<u>1,085.00</u>	<u>2,869.20</u>	<u>6,342.00</u>	<u>24,640.00</u>
Net Ordinary Income	-565.13	-1,085.00	8,173.95	4,158.00	8,260.00
Other Income/Expense					
Other Income					
Other Income - Donation	0.00	0.00	0.00	0.00	78.64
Total Other Income	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>78.64</u>
Net Other Income	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>78.64</u>
Net Income	<u><u>-565.13</u></u>	<u><u>-1,085.00</u></u>	<u><u>8,173.95</u></u>	<u><u>4,158.00</u></u>	<u><u>8,338.64</u></u>

2020 Consumer Confidence Report

Water System Information

Water System Name: Big Lagoon Community Services District

Report Date: April 28, 2021

Type of Water Source(s) in Use: Groundwater

Name and General Location of Source(s): Well 2010- 47 Roundhouse Creek Road, Trinidad

Drinking Water Source Assessment Information: Last performed by State Division of Drinking water in January 2002. Source is considered most vulnerable to the following activities not associated with any detected contaminants: Septic Systems-High density.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: Monthly Meetings on Zoom 2pm every 3rd Saturday. Until Further Notice

For More Information, Contact: Water System Operator Val Castellano 707-677-3406 or State DDW at 530-224-4800 Chair Bill Wenger 707-677.2008; Visit <https://www.biglagooncsd.org/>

About This Report

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2020 and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse [Enter Water System's Name] a [Enter Water System's Address or Phone Number] para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 [Enter Water System Name]以获得中文的帮助: [Enter Water System's Address][Enter Water System's Phone Number].

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa [Enter Water System's Name and Address] o tumawag sa [Enter Water System's Phone Number] para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ [Enter Water System's Name] tại [Enter Water System's Address or Phone Number] để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsaab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau [Enter Water System's Name] ntawm [Enter Water System's Address or Phone Number] rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level (MCL)	The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
Maximum Contaminant Level Goal (MCLG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).
Maximum Residual Disinfectant Level (MRDL)	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum Residual Disinfectant Level Goal (MRDLG)	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
Primary Drinking Water Standards (PDWS)	MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
Public Health Goal (PHG)	The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Secondary Drinking Water Standards (SDWS)	MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
Treatment Technique (TT)	A required process intended to reduce the level of a contaminant in drinking water.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.
ND	Not detectable at testing limit.
ppm	parts per million or milligrams per liter (mg/L)
ppb	parts per billion or micrograms per liter (µg/L)
ppt	parts per trillion or nanograms per liter (ng/L)
ppq	parts per quadrillion or picogram per liter (pg/L)
pCi/L	picocuries per liter (a measure of radiation)

Sources of Drinking Water and Contaminants that May Be Present in Source Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Table 1. Sampling Results Showing the Detection of Coliform Bacteria

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (State Total Coliform Rule)	(In a month) 0	0	1 positive monthly sample ^(a)	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (State Total Coliform Rule)	(In the year) [Enter No.] 0	[Enter No.] 0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive	None	Human and animal fecal waste
<i>E. coli</i> (Federal Revised Total Coliform Rule)	(In the year) [Enter No.] 0	[Enter No.] 0	(b)	0	Human and animal fecal waste

(a) Two or more positive monthly samples is a violation of the MCL

(b) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.**Table 2. Sampling Results Showing the Detection of Lead and Copper**

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	7/8-7/30/2019	[Enter No.] 5	[Enter No.] 9.4	[Enter No.] 0	15	0.2	[Enter No.] 0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	7/8-7/30/2019	[Enter No.] 5	[Enter No.] 0.875	[Enter No.] 0	1.3	0.3	Not applicable	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant

Table 3. Sampling Results for Sodium and Hardness

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	3/31/15	11.0	N/A	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	3/31/15	47.0	N/A	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Nitrate (ppm)	2/8/21	0.88	n/a	10	10	Runoff and Leaching from natural deposits]
Chlorine (ppm)	Daily tests 2020	1.19	0.62-1.19	4	4	Drinking water disinfectant added as Precautionary Treatment
N/A	[Enter Date]	[Enter No.]	[Enter Range]	[Enter No.]	[Enter No.]	[Enter Source]

Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Sulfate (ppm)	2/8/21	2.8	N/A	500	N/A	Runoff/ leaching from natural deposits
Chloride (ppm)	2/8/21	19	N/A	500	N/A	Runoff/ leaching from natural deposits
Odor (TON)	2/28/21	2.0	N/A	3	N/A	Naturally-occurring organic materials
Turbidity (NTU)	2/28/21	0.10	N/A	5	N/A	Soil runoff
Foaming Agents (MBAS) (ppm)	2/8/21	Less than 0.050	N/A	0.500	N/A	Soil runoff
Total Dissolved Solids (TDS) (ppm)	2/12/18	120	N/A	1000	N/A	Runoff/leaching from natural deposits
Specific Conductance (μ S/cm)	5/8/19	170	N/A	1600	N/A	Substances that form ions when in water; seawater influence

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
NONE	[Enter Date]	[Enter No.]	[Enter Range]	[Enter No.]	[Enter Language]
[Enter Contaminant]	[Enter Date]	[Enter No.]	[Enter Range]	[Enter No.]	[Enter Language]
[Enter Contaminant]	[Enter Date]	[Enter No.]	[Enter Range]	[Enter No.]	[Enter Language]

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who

have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [Enter Water System’s Name] is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

Federal Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
[Enter Violation Type] NONE	[Enter Violation Explanation]	[Enter Duration]	[Enter Actions Taken]	[Enter Language]
[Enter Violation Type] NONE	[Enter Violation Explanation]	[Enter Duration]	Enter Actions Taken]	[Enter Language]

For Water Systems Providing Groundwater as a Source of Drinking Water

Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	(In the year) 0	[Enter Dates]	0	(0)	Human and animal fecal waste
Enterococci	(In the year) 0	[Enter Dates]	TT	N/A	Human and animal fecal waste
Coliphage	(In the year) 0	[Enter Dates]	TT	N/A	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT

Special Notice of Fecal Indicator-Positive Groundwater Source Sample: [Enter Special Notice of Fecal Indicator-Positive Groundwater Source Sample] n/a

Special Notice for Uncorrected Significant Deficiencies: [Enter Special Notice for Uncorrected Significant Deficiencies] n/a

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
NONE	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]
NONE	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]

For Systems Providing Surface Water as a Source of Drinking Water

Table 10. Sampling Results Showing Treatment of Surface Water Sources

Treatment Technique ^(a) (Type of approved filtration technology used)	[Enter Treatment Technique]
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to [Enter Turbidity Performance Standard to Be Less Than or Equal to 95% of Measurements in a Month] NTU in 95% of measurements in a month. 2 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded for More Than Eight Consecutive Hours] NTU for more than eight consecutive hours. 3 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded at Any Time] NTU at any time.

Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	[Enter No.]
Highest single turbidity measurement during the year	[Enter No.]
Number of violations of any surface water treatment requirements	[Enter No.]

- (a) A required process intended to reduce the level of a contaminant in drinking water.
- (b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

Summary Information for Violation of a Surface Water TT

Table 11. Violation of Surface Water TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
[Enter Violation]	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]
[Enter Violation]	[Enter Explanation]	[Enter Duration]	[Enter Actions]	[Enter Language]

Summary Information for Operating Under a Variance or Exemption

[Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements

Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year we were required to conduct [Insert Number of Level 1 Assessments] Level 1 assessment(s). [Insert Number of Level 1 Assessments] Level 1 assessment(s) were completed. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

During the past year [Insert Number of Level 2 Assessment] Level 2 assessments were required to be completed for our water system. [Insert Number of Level 2 Assessments] Level 2 assessments were completed. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

[For Violation of the Total Coliform Bacteria TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document]

Level 2 Assessment Requirement Due to an *E. coli* MCL Violation

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. We found *E. coli* bacteria, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) identify problems and to correct any problems that were found during these assessments.

We were required to complete a Level 2 assessment because we found *E. coli* in our water system. In addition, we were required to take [Insert Number of Corrective Actions] corrective actions and we completed [Insert Number of Corrective Actions] of these actions.

[For Violation of the *E. coli* TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document]

Public Correspondence

Louise Minor/Bob Fischer

Fri, Apr 30, 3:33 PM (11 days ago)

to Friedman, me, Craig, Dick, Charles, Joey, Valen, Dana

Dear Board:

The original letter mentions that there is another accredited engineering firm in the area. Before you spend this much money, it would be prudent to get another bid to see what they think actually needs to be done and how much it would cost. It make very little sense to just take one bidder's word that this is what we need and that their bid is fair.

Sincerely,

Louise Minor, PhD, MD

Greg Sidoroff

Fri, Apr 30, 4:16 PM (11 days ago)

to Friedman, me, Craig, Dick, Charles, Joey, Valen, Dana

Good afternoon BLCSD Board,

I am very concerned about the long term ramifications of the proposed special meeting that has now been cancelled. I completely understand that as a community we have to invest in some way in the infrastructure of our system to continue to provide great water reliably. The level of investment has a wide range from urgent to "wish list" and sourcing the funds to do this will not be easy. No matter the level of funds, it will take a community consensus and buy in to get anything done. The communications and actions of the past 24 hours has not been conducive to achieving that goal. The initial meeting communication was vague as to exact intent to say the least. Obviously, there is a need for a meeting but was calling a meeting of this importance with 30 hours notice fair to all of the stakeholders in the district? Not in my opinion. Special meeting with basically 24 hours notice should only be called when an emergency or urgent matter is at hand. Now the meeting has been cancelled and the reason was that not all the information was even in place prior to the

meeting being called in the first place? Please take the time to reflect on how that is perceived by the people that support is going to be needed from to achieve the longterm goals. I ask you as a Board going forward to be as transparent as possible, to allow people adequate time to review documents, to respect that many of us have things going on in our lives so when a last minute meeting is called it is necessary. Communicating this way will enhance your credibility so that when the tough decisions need to be made, the trust and support will be there from the community stakeholders.

Thank you,
Greg

Rob and Patti Wilson

Fri, Apr 30, 4:23 PM (11 days ago)

to me, Craig, Dick, Charles, Joey, Valen

To the BLCSD Board members,

I received an email yesterday regarding a Special Board Meeting scheduled for today at 6pm. A little while ago I received another email stating the Special Board Meeting for tonight at 6pm was cancelled. This was due to receiving a proposal from PACE Engineering that sounded like was over the top expensive. Sounds like the proposal was just received today. If ALL of the information hasn't been obtained or further research or inquiries hasn't been done, why the urgency for a Special Board Meeting?

I understand the Board has been extremely hard at work looking into expanding our water capacity for adequate fire suppression and also to update the Water District's infrastructure. Although I agree these things are extremely important and need to be addressed, I feel that things are being rushed/pushed along at a pace so fast that WE, the community are not getting enough information or being able to review this information in a timely manner to be able to make or come to an informed decision that will effect everyone in the entire community for years to come.

IMO, I as someone who lives in this wonderful community feels that ALL information researched, gathered and obtained for consideration for these

current projects should be given to everyone in the community for us to be able to read, study, conduct inquiries and ask questions, so as to be as informed as possible to be able to communicate our thoughts, opinions, concerns and suggestions during a Water Board Meeting on the Water System Improvements Projects.

I understand that our community is grossly under protected in case of a fire and that our water system needs to be updated. However, it's been this way since we have lived here for the past 7 1/2 years. As a resident of this community, I would like to see more OPENNESS and better communication with the current projects that are being researched and considered for our community water system.

I want to thank the ENTIRE BOARD for their unwavering and tireless dedication to improving our water system and making sure our community members have the safest, best, most pure water available and also in putting each member of this community as the highest priority when it comes to our safety from potential wildfires.

Best regards,

Rob Wilson

Dana Hope

Fri, Apr 30, 4:51 PM (11 days ago)

to Friedman, me, Craig, Dick, Charles, Joey, Valen, bill@biglagooncsd.com

Bill,

As I have shared, now that "Wedding Season" is upon us and Humboldt County will allow couples to be Wed, Saturday meetings at 2:00 will be challenging for me moving forward. I missed the last meeting for this reason and have Officiant commitments for the next 2 scheduled BLCSD

meetings (5/22 & 6/19).

Additionally, I understand there was low attendance for the last meeting on 4/17, when PACE Engineering provided a lengthy presentation.

I do believe scheduling meetings in the evening during the week or earlier on a weekend day may increase participation, as this was requested by a number of community members.



Dana

Catherine Munsee

Fri, Apr 30, 8:04 PM (11 days ago)

to Friedman, me, Craig, Dick, Charles, Joey, Valen, Dana

Hi Bill:

Thanks very much for this email. Whew! What a lot of work has been going on. Thank you and the other Board members for your tireless efforts on behalf of our amazing community.

I find it very difficult to make mid-day meetings on the weekends. I am more available, for example, first thing in the mornings on weekends and I'm available in the evenings on Thursday and Friday. I'm not suggesting the Board move their meetings to accommodate my schedule. I'm just letting you know I'm interested in participating and pitching in, but am limited due to work obligations.

Again, thanks for this email!

Catherine
Illijana Asara <illijana@suddenlink.net>

Apr 30, 2021, 12:33 PM

to biglagooncsd@gmail.com

Greetings!

First we would like to thank all the volunteers who have spent many hours working on the future of the district. From its inception, the district has depended on volunteers, and existed financially on a shoestring while providing high quality water.

Moving forward, our recommendation is to continue a financially conservative approach to improving infrastructure, as much as possible avoiding long term, large loans. To that end, we would recommend:

- 1) Raising water rates incrementally over several years as necessary
- 2) Adding storage capacity in the simplest way possible, either through a single 25,000 gallon tank or adding three additional interconnected poly tanks
- 3) Establishing the viability of our current hydrants in terms of flow using the 15 horse power pump (by having CalFire do a flow test) , and setting up a way to have an individual to run the pump in a fire emergency or an automatic system to have it come on line in a fire emergency.
- 4) Adding an additional well in an attempt to secure the water supply
- 5) Create a long term strategic plan to upgrade the entire infrastructure and continue to explore funding options. (If the federal infrastructure bill is passed, it might provide some money for rural districts.)
- 6) As part of the strategic plan, explore the long term legal implications of the addition of the school and the three houses across from it for the district's commitment to provide water and (potentially) fire suppression.

While fire suppression is certainly a concern for all of us, it is unlikely that the district alone can create a system that can do more than support our local fire agencies in putting out a house fire. In the event of a wildfire, we would be dependent on CalFire and our local fire agencies to use their

usual methods of protecting residences. As part of a long term strategic plan, developing a coordinated fire response with local land owners, the Big Lagoon Park Company, the Big Lagoon Rancheria, California State Parks, the Humboldt County Park and Green Diamond Corporation might be a good approach to mitigate wildfire. (for example, would controlled burning of various areas help?)

We are concerned that the information contained in the packet cannot possibly be available to all home owners via today's e-mail with only 24 hour notice for the meeting. Many home owners live out of the area and many may or may not check e-mail regarding the district on a regular basis.

The packet does not include the cost of the PACE contract, so we cannot make a recommendation on it.

This is not an emergency. No decision needs to be made immediately on these complex questions.

We recommend that the board make a recommendation to the home owners in the district via a mailed packet with plenty of time for residents to absorb and process the information, then have a meeting to make a decision about how to move forward.

Sincerely,

Illijana Asara and Jim Vandegriff

On May 2, 2021, at 12:16 PM, WK Wngr <wkwenger@gmail.com> wrote:

Hi Greg,

I'd called the special meeting to discuss our options going forward ranging from self-funding a 25,000 gallon tank on the existing concrete pad, to having PACE perform a Preliminary Engineering Report which could range from minor to major in scope, and is required for USDA RD funding. I'd gambled that Tom's proposal would be in hand when I sent out the agenda, but it wasn't. When it arrived I saw that it was massive, and that it couldn't be read and digested in time, or even by next week. So the topic has been moved to the May 22 meeting at a time TBD as I want as much community participation as necessary.

Tom has been exceedingly generous with his time, in particular on the funding front. He knows the players and process working with USDA RD and Water Boards DFA. I speak, or email, with Tom several times a day, and have been

doing so for a number of weeks. He has a working relationship with our water inspector/regulator Scott Gilbreath, and the CA State Water Engineer. In other words he has proved invaluable on many fronts. Dick and I have been in conference calls with USDA RD officials who we'd never have known about without Tom's involvement.

In a recent email he made it known that the clock was running out, and that it was time to hire him. I called the special meeting to get community feedback on whether we want to engage PACE, and pursue USDA RD funding, or not. If a month or two goes by without formal engagement, and without the benefit of Tom's continued consulting, then we're stuck in limbo.

Bill

Greg Sidoroff

May 2, 2021, 3:45 PM (9 days ago)

to me, Dick, Joey, Charles, Gus, Valen, Dana, Friedman

Good afternoon Bill, I appreciate the reply.

Unfortunately, I think you are not understanding my concerns so I will try to be as clear as possible.

- 1) I'm not questioning the need for this project to be discussed just the process.
- 2) You have put an immense amount of time into researching this issue and are asking others including Board members to read in depth documents without adequate time to pass or offer opinions and comments. The rescheduling to a later date accommodates that but not a 30 hour notice.
- 3) when you say you "gambled that the proposal would be in hand" that was a gamble not only with your time and schedule but potentially 39 other homeowners in the districts time as well. How was everyone going to have adequate time if it came in that day to review it before the meeting?
- 4) While it seems that PACE may be the best for this job and accommodating, Why not at least 2 other bids? In my personal and business experience when a vendor gives me a "buy today or die proposal", only in emergency situations should that bid be accepted. Even if it costs more to provide time to do more due diligence. It's best business practice. While you and other Board members may feel only one bid is necessary, or even required I don't think the community as a whole will buy into that.

In my opinion you should have the special meeting when all bids are in place and adequate time for review by all stakeholders has been provided. Then the Board if they desire to pursue the project should accept the most reasonable and responsive bid.

Finally, I want to say thank you for the great progress that the Board has made over the past few months. However, I believe a project with these potential expenditures and consequences will need more due diligence prior to getting complete community support.

Regards,

Greg

On Wed, May 5, 2021 at 9:02 AM Erik Nielsen <enielsen@shn-engr.com> wrote:

Hi Bill, not sure if we've met but I live at 224 BLPR across from the school. Having not been on the email distribution list for the CSD I was unaware of the planned improvements. Recent documents were sent to my attention and I would like to review the information to see if I can be of support to the CSD.

Regards,
Erik

Erik J. Nielsen, PG, CHG
Environmental Services Principal



From: WK Wngr <wkwenger@gmail.com>
Sent: Wednesday, May 5, 2021 11:22 AM
To: Erik Nielsen <enielsen@shn-engr.com>
Subject: Re: Big Lagoon Water System

Hi Erik,

We met briefly one time when I helped locate a break in the PVC pipe between the school and the well site. I contacted SHN back in February requesting help with our project as documented here.

Mon, Feb 22, 5:00 PM

to bbrown, rmcpa1
Mr. Brown,

Please provide a quote to perform the following:

1. Conduct an engineering assessment of our small water district that was built in 1962. The main objective is to increase fire flow. Our research so far points to a separate fire flow system separate from our water treatment and distribution network. Both systems would be connected to our well.
2. We've received input from Scott Gilbreath, CA State Water Resources, and from Joshua Bennett, Cal Fire. Their positions with respect to increasing our water storage capacity to meet minimum fire flow are at odds. Our current storage capacity is 10K gallons and we have an ideal turnover rate for delivering safe, quality water. Our minimum fire flow needs to be 40K gallons. We're thinking there might be an engineering solution that satisfies both needs. For example, upgrading our current chlorination system with a system that would allow delivery of safe, quality water from a 40K gallon tank while at the same time being able to provide necessary fire flow. (Our water operator has rejected the idea of introducing aged fire flow water into our system during a fire emergency as the system would need to be flushed/disinfected before returning to service.) We're hoping an engineering assessment of our situation will show how both needs can be addressed.
3. During your assessment we would like you to briefly consider some possible solutions from members in the community. One or more may have merit, or they may be impractical.
4. An onsite visit can be accomplished in 2-3 hours. Your deliverable would be a report of your findings with one or more recommendations on how we might proceed. Any proposed upgrades or retrofits to the system should include estimates regarding cost to design and implement.

Regards,

William (Bill) Wenger
Chair, Big Lagoon Community Services District

Bob Brown <bbrown@shn-engr.com>

Tue, Feb 23, 9:39 AM

Mr. Wenger,

Thank you for reaching out. I have forwarded your request to our engineers, who should be responding to your request

Bob

Bob Brown, AICP
Principal Planner

1062 G. St. Suite I, Arcata, CA 95521-4800
707-822-5785 w

Bill Wenger <bill@biglagooncsd.com>

Mar 3, 2021, 7:33 AM

to Bob

Mr. Brown,

I've not yet received a response from anyone regarding my Feb 22 request. We're unable to make firm plans without engineering input.

Regards,

Bill

Received no further response from SHN

The scope of work has changed significantly since February, and we're now looking at a dual-function tank. I've had several discussions with the GM at Westhaven CSD, Paul R., and also with Orick CSD. Based on their recommendations I've met with Tom Warnock, PACE Engineering. PACE is currently working with both Westhaven and Orick, as well as the Trinidad Rancheria. PACE was instrumental in getting Waterboards DFA funding for both, and I was hoping to see similar success with our USDA RD application. Tom knows the ins and outs of getting grants and low interest loans, and how to prepare a successful application. I'm not sure of the documents that have come your way, but the Orick CSD Final Preliminary Engineering Report prepared by Tom is very impressive. It is my understanding that two firms, PACE and Waterworks Engineering, have stellar reputations with CA Waterboards.

In a recent discussion with USDA RD we learned that the program awarding a \$30K grant for the preparation of the Preliminary Engineering Report (matched by \$10K from our district) is no longer active. Consequently, the cost estimate to prepare our Engineering Report is \$40K. When members of the community saw this they went ballistic. Without community support I don't see a future in pursuing USDA RD funding.

I was able to get Waterboards DFA approval for a technical assistance request to replace the unpermitted 2.5" PVC pipe that delivers your water, as well as the school's. This would be for a properly trenched and buried 2.5" pipe running from the well site to the school. I'd hoped to get extra USDA RD funding to increase the pipe to a 6" water main to deliver necessary fire flow to the school. Waterboards will not support anything related to fire flow. The reason the project was approved has to do with water security.

Given the budgetary hurdles, we're giving a second look to a more modest project which simply reestablishes our storage capacity to the original level. We would replace the two existing 5K gallon plastic tanks with a 25K gallon Steel Core tank that would have the same footprint as the original 20K gallon redwood tank. There would be no work outside the existing enclosure. This doesn't really help much with fire flow, but it is better than what we have now.

One of the challenges when looking for state or federal \$\$\$\$ are the permits and the CEQA and NEPA studies that need to be done. This goes far beyond what the Humboldt County Planning Department requires. I've met with a senior planner twice, and was told putting a larger-capacity tank just outside the enclosure would require a Coastal Commission permit--as expected--, but not a CEQA/NEPA study. To be considered for grants and long term low interest loans it appears one needs to invest a lot up front to be in the running. We would apparently get that money back in the end, as the amount invested would be reimbursed by increasing the amount of the grant.

SHN wasn't alone in being unresponsive to my initial inquiries. DTN Engineering, Mother Earth Engineering, and LACO, never responded either.

I suspect we're considered small potatoes, and not worth the time. I did receive a response from Water Systems Consulting (expectwsc.com), but their proposal was underwhelming. They aren't in the same league as PACE.

Regards,

Bill

On Thu, May 6, 2021 at 5:02 PM Erik Nielsen <enielsen@shn-engr.com> wrote:

Thanks Bill. I do remember meeting you. I recall hearing of this project and it going to our civil engineering group. Unfortunately due to a serious backlog they are not taking on any new projects at this time. Let me take a look at what you have and I'll get back to you. Not sure on the timeframe of things for the CSD. Please let me know what items of urgency are out there.

Erik

From: WK Wngr <wk Wenger@gmail.com>
Sent: Thursday, May 6, 2021 5:59 PM
To: Erik Nielsen <enielsen@shn-engr.com>
Subject: Re: Big Lagoon Water System

Hi Erik,

Thank you for getting back to me. Things are currently in limbo, and a lot will more will be known after our regular board meeting on May 18th. We met with Stephen Leach this morning, and he will prepare a quote for a 25K tank where the original 20K tank was located. This would be a very much reduced project, but would at least bring us back to where we were when the system was first built in the early 60's. Or, we could spend this money on a preliminary engineering report as part of a funding effort to go big.

I contacted LACO this afternoon, specifically their Grant Writing & Funding Development department, to see if they're interested. I know they're working with Orick on making improvements to their waste water system.

Regards,

Bill

Erik Nielsen

Hi Bill, was out of town over the weekend and only able to partially peruse the items. Will have more time this week to get into it.

Erik