

**LAKE LIMERICK COUNTRY CLUB -
WATER COMMITTEE MEETING**

Minutes of January 8, 2022

Meeting Location: Via Zoom

Call to Order: Meeting was called to order by Chairman Don Bird at 9:00am

Members Attending: Chairman Don Bird, Treasurer Esther Springer-Johannesen, Secretary Anne Moen and members Brandon Koch, Kelly Evans, Dan Cossano

Board of Directors Attending: Dean Dyson, Steve Saylor, Tamara Ingwaldson,

Employees Attending: None

Contractors Attending: None

Guests: Dan Bussler 05-092, Pat Paradise 04-175, Theresa Eskridge 04-190, Gary Mattheis -2-226, Mike Gaffney 02-239

Approval of Minutes: Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays to approve minutes of December 11, 2021

Comments from Any Guests: None

Additions to Agenda: New Business – Low water pressure during power outage

Financial Report: Esther Springer-Johannesen

- Due to weather conditions and loss of power there is no report available for Esther to give.
- Shauna has been going through & correcting any adjustment needed. Esther is hoping to get it by Wednesday.
- Edward Jones statement is in the mail that has been delayed also because of the weather.

Water Report: Don Bird

- Water Consumption Report – See attached
 - Good news, the annual water loss was 4.3% in 2021, down from 8.5% in 2020.
- Water Manager's Report December 2021 - See attached
 - LLWS performed regular scheduled water sampling for the month of December, and all were satisfactory.
 - Well #3 A/B temporarily offline – Plumbing line associated with the reservoir level sensor had frozen. Well #6 temporarily offline – VFD is no longer powering up. NWS is working to correct the issues, however trouble shooting efforts have been without resolve.
 - Mike has taken over routine daily duties. NWS will be making site visits as necessary, helping with DOH correspondence, compliance reporting & assisting the water system in any requested capacity.

- **Project Status:**
 - Flow meter Installation Project: KCL can install after the first of the year.
 - Well evaluation project: Project on hold for now. Committee decided there was not enough detail in the bid. Getting more than one bid, possibly 3 RFQ's and more detail in the bids. No formal motion on this action.
 - Water office improvements: Project on hold. Kelly has held off on looking further into a trailer because of the staffing change. Don stated the Lake Dam committee is proposing another person for their staff and that could change the office improvement project. Waiting to see what the board does with that.
- **Meter reading issues- Don Bird**
 - Don assisted Mike doing meter readings during the snow. Because of the snow, many meters needed to be read manually. The snow blocked the signal for the meter readings. Mike did a great job getting the job done despite the technical difficulties and the roads having snow and ice.

Correspondence:

- **Foreman Meter Issues:** Meter is still reading erratically. Rhonda would like to know how handle the billing because of this.
 - Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays to adjust Stacie and Jason Formen's (04-150) billing to the flat rate from January 1, 2021 and until the Lake Limerick Water system replaces the faulty meter.

Old Business:

- **UMS software upgrade status:** Esther Springer-Johannesen, training is scheduled for February 21 through 25th. Roger has given permission for Rhonda and Shauna to attend, Esther will also attend to understand the system and how the billing will work. Don might attend.
- **Loan or Grants for Water System – on hold**
- **Discounted rate for low-income members -** Esther Springer-Johannesen has connected with Mason County and received some resource ideas. She has also touched based with the City of Shelton and received feedback. Another organization Esther reached out to was Crossroads and is waiting for a reply. The committee discussed using a third party so members would not feel uncomfortable sharing their financial information with the community.
- **Water system Plan Completion –** There are a number of edits that need to be made to the plan that combines NWS and RH2 plan information. A meeting has not been set yet, hoping to do it in January or February.

New Business

- Discussion about Water Manager vs. Water (NWS) vs. joining PUD – Don Bird brought up the topic. Discussion was had between committee members, guest, and board members about needing to evaluate each option. During the discussion a lot of good ideas and concerns were brought up (two Wm 1's along with NWS, importance of having an employee close for emergencies, overall big picture plan, etc.).
 - Action item: Task force to come up with pros and cons. Dan, Steve, & Anne
- Water manager hiring status – 3 applications have been turned in but are not qualified. Job announcement is still posted.
- Date and time for Water Committee Meeting – Don Bird -- A different Saturday, or different time on Saturday may need to be decided on for the Water Committee meetings. There are too many overlapping meetings on the second Saturday, and it does not give members the ability to be part of all the committee meetings they may want to attend or be part of. Pro and con discussion had about different times and moving it to a different Saturday.
 - Action item: Committee members to email Don times that work good for them should we have to move our meeting. First Don will find out how the other committees are addressing this issue.
- Working session with the County & Fire Marshall – The Fire Marshall has reached out to have a discussion about the fire hydrants. Meeting will need to be rescheduled, meeting was cancelled on short notice.
- Power Failure and low flow- Don Bird – Community members experienced low water pressure during the recent power outage on Friday January 7th. This was due to well #3 & well #6 being inoperable. Well #3 had technical issues -the well site tank level sensor was not working. Possibly due to a previously frozen line due to the booster pump house being too cold. Well #6, the VFD controlling the well had stopped earlier in the week and the tank level was down. Mike was in the process of working with NWS on a repair, but it was not solved before the outage, and is still in the works of being repaired. Water samples will be taken to make sure the water quality is safe for consumption. Discussion happened of how to prevent this in the future.
 - Action item: Dan and Don to touch base with Mike and Shawn to understand their process of what a high priority to them is.

Announcements

- Next meeting February 12th, 2022
Location: LLCC Inn Crow's Nest and /or Zoom

Motion to adjourn

- Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays.

Motions For the Board

Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays to approve minutes of December 11, 2021

Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays to adjust Stacie and Jason Formen's (04-150) billing to the flat rate from January 1, 2021 and until the Lake Limerick Water system replaces the faulty meter.

Motion made by Esther Springer-Johannesen, seconded by Dan Cossano, and carried with no nays to adjourn.

Water Committee Meeting
January 8, 2022 9:00 AM
Location: Online by Zoom
Meeting ID: 635 641 3783
Passcode: 44150

Call to Order

Committee Members: Chair Don Bird, Treasurer Esther Springer-Johannesen, Secretary Anne Moen and Members Brandon Koch, Kelly Evans and Dan Cossano

Board Members:

Staff:

Guests:

Approval of Minutes

Comments from Any Guests

Additions to Agenda

Financial Report - Esther

- 1) Water System Financial Report
 - a. Effect of Water Rate Change
- 2) Accounts Payable / Receivable update
- 3) CD and money market review

Motion to approve Financial Report

Water System Manager's Report

- 1) Manager's report and consumption spreadsheet – NWS
- 2) Project status:
 - a. Well evaluation project
 - i. Well evaluation quote
 - ii. Motion to delay Well Evaluation?
 - b. Flow meter installation project
 - c. Water office improvements
- 3) Meter reading issues - Don

Correspondence

- 1) Foreman meter issues

Motion regarding correspondence (if any)

Old Business

- 1) UMS software upgrade status
- 2) Possibilities of loan or grant for Water System upgrades
- 3) Discounted water rate for low-income members
- 4) Water System Plan completion

New Business

- 1) Discussion about Water Manager vs. Water (NWS) vs. joining PUD
- 2) Water Manager hiring status
- 3) Date and time for Water Committee meeting
- 4) Working session with County and Fire Marshall

Announcements

Next meeting: February 12, 2022

Location: LLCC Inn Crow's Nest and/or Zoom

Motion to adjourn to closed session (if necessary)

Motion to return to open session

Motions from closed session

Adjourn



Lake Limerick Water

Manager's Report January 7th, 2022 (Referencing for December 2021)

January 7th, 2022

The condition of the water system is generally good, with reliable water availability to the customers.

All Well sites **except for Well 3 and Well 6** are up and running appropriately. The plumbing line associated with the reservoir level sensor at Well 3 had frozen. The line will need to be purged, and then assess the condition / accuracy of the sensor. The VFD for Well 6 is no longer powering up. NWS attempted to correct, however all troubleshooting efforts have been without resolve.

SCADA is regularly monitored and operated throughout the 24 hour period.

Well Conditions:

- + Well #1 is operating "normally."
- + Well #2 Offline
- + Wells #3A/3B are temporarily "offline."
- + Well #4 is operating "normally."
- + Well #5 is operating "normally."
- + Well #6 is currently offline. LLWS to contact Platt for diagnosis of the VFD.

Water Usage:

- 4,144,700 gallons were pumped.
- 4,097,391 gallons were metered and accounted for. (Meters were read over 3 days, computer issues / snow)
- 47,309 gallons net loss
- 1.1% Loss (Percentage expected to be higher next month, this is due to the 3 day meter read)

Customer Concerns/Locates:

- LLWS had 8 regular locates.
- 2 Customers had inquiries about their service meters

Water Sampling:

LLWS performed regularly scheduled water sampling for the month of December and all were satisfactory.

Other items:

Flow Meter Installation Project: KCL can install after the first of the year.

Mike has taken over routine daily duties with the departure of Doug. NWS will be making site visits as necessary, helping with DOH correspondence, Compliance reporting, and assisting the water system in any requested capacity.

WATER VOLUME ENTERING DISTRIBUTION SYSTEM

1. A. Total Volume Produced

	Jan.-21	Feb.-21	Mar.-21	Apr.-21	May-21	June-21	July-21	Aug.-21	Sept.-21	Oct.-21	Nov.-21	Dec.-21	Totals
Total Volume Produced Well #1	539,700	21,300	602,200	1,100,000	718,900	992,500	792,700	353,000	332,600	81,900	253,100	94,900	5,882,800
Total Volume Produced Well #2	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume Produced Well #3a	373,000	716,500	339,300	204,400	1,162,100	1,447,900	1,778,000	1,575,800	1,157,600	130,300	52,800	111,200	9,048,900
Total Volume Produced Well #3b	479,500	939,200	316,800	269,300	1,546,100	1,916,900	2,352,100	1,361,200	1,533,800	220,900	5,400	145,500	11,086,700
Total Volume Produced Well #4	1,438,800	1,016,100	688,800	95,300	1,347,400	1,080,900	1,952,200	1,226,600	1,646,100	2,050,900	2,014,200	2,149,300	16,706,400
Total Volume Produced Well #5	796,000	784,500	1,384,600	1,330,400	25,200	0	1,244,000	2,931,900	858,800	106,800	2,300	630,400	10,094,900
Total Volume Produced Well #6	1,436,700	200,200	983,900	2,198,800	1,028,300	1,395,400	1,478,600	826,200	575,000	1,449,200	1,302,300	1,013,400	13,888,000
1 B. Total Volume Purchased	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0
1. Total Water Produced All Sources:	5,063,500	3,677,800	4,315,600	5,198,200	5,828,000	6,833,600	9,597,600	8,274,700	6,103,900	4,040,000	3,630,100	4,144,700	66,707,700

TOTAL VOLUME CONSUMED

2 A. Water Volume Metered	(Billed and Unbilled)	3,431,236	3,370,458	4,184,562	4,727,634	5,518,378	6,616,722	9,253,478	8,141,841	5,898,788	3,864,671	3,457,716	4,097,391	62,562,875
2 C. Estimated Authorized Uses	(may be billed or Unbilled)		24,200											24,200
Utility Flushing and Tank Cleaning		2,000	3,000						11,000	6,000				5,000
Firefighting and Training										7,613	7,629	2,805		17,000
Tank Level Difference														41,067
Other: Well flush			10,000											20,000
Distribution storage - Allowed		1,130,852						3,172						1,130,852
2. Total Authorized Consumption		4,564,088	3,407,658	4,184,562	4,754,300	5,518,378	6,633,510	9,264,478	8,151,013	5,906,401	3,872,300	3,460,521	4,097,391	63,814,600

Total Volume DSL	499,412	270,142	131,038	443,900	309,622	200,090	333,122	123,687	197,499	167,700	169,579	47,309	2,893,100
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Percent DSL	9.9%	7.3%	3.0%	8.5%	5.3%	2.9%	3.5%	1.5%	3.2%	4.2%	4.7%	1.1%	
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Year to Date Total DSL:

4.3%

Compliance with average standards based on a 3 year average from last Next years 3 year average based on 10.6% 11.9%

Water Rights Data	Right (acft/yr)	% of total	Total	Acft-feet used	%Water right used	WR allocated	WR allocated (AFY)	WR allocated (%)	MIFR (G) GPM
5566-A (G2-08049) AHA-974 S05 Well #1	117	16.7%	5,882,800	18.1	15.4%		18.1	2.6%	100
5587-A AHA-978 S02 Well #2	166	0.0%	0	0.0	0.0%		73.6	10.5%	200
5888-A (G2-08834) AHA-976 S03 Well #3A	84	12.0%	9,048,900	27.8	33.1%		27.8	4.0%	100
APP G2-29483 AHA-975 S06 Well #3B	254	36.3%	11,086,700	34.0	13.4%		51.3	7.3%	100
7012-A (G2-09889) AHA-973 S04 Well #4	79	11.3%	16,706,400	31.0	20.4%			0.0%	190
G2-27215 AHA-977 S07 Well #5*	152	15.0%	10,094,900	42.6	26.6%			0.0%	200
G2-27443 S08 Well #6*	160	15.8%	13,888,000	204.7	29.2%		170.7	24.4%	710
Total AFY without supplementals	700	107.1%	66,707,700						
Total*	1,012								1100

Electrical Usage in KWH

	Jan.-21	Feb.-21	Mar.-21	Apr.-21	May-21	Jun-21	Jul-21	Aug.-21	Sept.-21	Oct.-21	Nov.-21	Dec.-21	Total
Well #1	1,934	942	1,814	2,062	1,332	1,801	1,292	578	525	155	305	456	13,196
Well #2	150	350	300	320	26	52	793	573	191	46	26	254	2,490
Well #3	2,696	4,562	2,326	2,227	6,562	7,900	9,665	7,140	6,716	1,580	1,061	2,130	54,565
Well #4	3,402	2,322	1,523	298	3,063	2,463	4,309	2,733	3,770	4,569	4,481	1,733	37,997
Well #5	3,179	3,040	5,088	4,781	98	13	2,006	4,859	1,455	205	26	1,733	26,483
Well #6	6,544	1,837	3,780	9,064	4,806	6,076	6,324	4,134	3,397	6,638	6,099	5,224	63,923
total:	17,905	13,053	14,831	18,752	15,887	18,305	23,798	20,017	16,054	13,193	11,998	14,861	198,654

Gallons Per Kwh

Gall/Kwh YTD

Well #1	279	23	332	533	540	551	614	611	634	528	830	208	474
Well #2		0	0	0	0	0	0	0	0	0	0	0	0
Well #3	316	363	282	213	413	426	427	411	401	222	55	121	304
Well #4	423	438	452	320	440	439	453	449	437	449	449	424	431
Well #5	250	258	272	278	257	0	620	603	590	521	88	364	342
Well #6	220	109	260	243	214	230	234	200	169	218	214	194	209
total:	283	282	291	277	367	373	403	413	380	306	303	279	336

Historical Data

	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	57,963,896	54,775,298	5.5%
2013	56,859,553	54,275,297	4.5%
2014	62,649,611	60,973,228	2.7%
2015	66,109,416	61,749,171	6.6%
2016	66,784,811	62,157,037	6.9%
2017	64,963,044	62,010,322	4.5%
2018	67,149,235	64,162,480	4.4%
2019	79,119,500	61,189,708	22.7%
2020	71,162,988	65,090,958	8.5%
2021	66,707,700	63,814,600	4.3%
2022	66,707,700	63,814,600	4.3%
2023	66,707,700	63,814,600	4.3%
2024	66,707,700	63,814,600	4.3%
2025	66,707,700	63,814,600	4.3%

Updated March 7, 2019 per Water Use Efficiency Guide Third Edition (Jan. 2017) per WSDOH Division of Environmental Health Office of Drinking Water Pub. DOH 331-375

Distribution System Leakage Notes: All Repaired 1. 4" AC, Clonakilly, and Road of Tralee 2. (2019) 60 Errigal 4" AC. 3. (2019) Angus Ct 4" AC. 4. (2019) 2224 St. Andrews 4" AC. 5. (2020) 170 Sleatford 47" AC. 6. (2020) 370 Penzance 4" AC. 7. (2020) 2340 St. Andrews 4" AC. 8. (2020) 201 Balmoral 4" AC. 9. (2021) Sharnock 4", 10. (2021) Angus Ct 4", 11. (2021) Dartmoore 4" 12. (2021) Glamis Ct 4" 13. (2021) Dartmoore 4"