LAKE LIMERICK COUNTRY CLUB WATER COMMITTEE MEETING

Minutes of September 12th, 2020 Meeting Location: ZOOM Internet Meeting

The Meeting was held online via ZOOM Meeting on the internet. The meeting was called to order at 9:06 am by Chairman Don Bird.

MEMBERS ATTENDING: Chairman Don Bird, Secretary Pat Paradise, Treasurer Esther Springer-Johannesen, and members Phyllis Antonsen, Kelly Evans, and Brandon Koch.

Board of Directors Attending: none

Employees Attending: Water Manager Doug Carothers

Contractors Attending: none Guests Attending: none

Approval of Minutes:

A motion was made by Brandon Koch, seconded by Kelly Evans, and passed with no nays to approve the minutes of August 8th 2020 as written.

Additions to Agenda: none

Comments from any Guests: none

Financial Report:

- 1) Water System Financial Report: A draft financial report was provided by treasurer Esther Springer-Johannesen including a budget to actual expenditures, investments, water department to hoa transfers, and cash on hand. Budgeted to actual expenditure are behind due to professional services fees by NWS, equipment rental, and repair & maintenance of our aging water system . (see attached documents)
- 2) Accounts Payable/Receivable update Treasurer Esther Springer-Johannesen Accounts payable/receivable is tracking and there is no documented decline in revenue due to impacts of the Corona Virus. A letter has been sent to members currently behind on payments informing of LLCC and member obligations during this pandemic. Payables and receivables will be monitored closely for any financial impacts attributable to the current health pandemic.
- 3) Cd and Money Market Review: A Cd and Money Market report was provided by Esther and attached for record. Current available Cd interest rates are low alternative investment interest rates will be investigated. Current available interest rates are only 0.01% with two Cd's coming due in October.

4) Reserve Study Status:

HOA reserve study contract has been awarded. Vendor expects to mobilize efforts within a few weeks. No other updates.

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with no nays to accept the financial report as presented.

Water Distribution Mangers Report:

1) Manager's report and consumption spreadsheet: The report was very complete and is attached for record.

Consumption spreadsheet (attached): The calculated water loss for the month is 5.6% and for the year is 6.6% with a goal of remaining under 10%. The consumption report is attached for record. A slight increase in water loss percentage due to fire hydrant testing and a service connection leak that has been repaired. Generator for well site 4 (Doug will gather scope, costs, and EPA regulations) This may require hiring a consultant. KCL Construction will replace failed valves and a water system stand pipe the week of September 21st. Water manager will meet with an electrical contractor onsite October 11th to walk the well sites and compile a list of deficiencies and deferred maintenance items. A list of deficiencies and budget numbers will be provided to the water committee.

- 2) Low water pressure and booster pump faults: water system is experiencing high water demand and PUD is experiencing high electrical demand. PUD has installed power analyzers at well #6 to determine if the power system is contributing to an increase in water system alarms. VFD programming on well pumps is also being looked at.
- 3) Status of SCADA system: Doug provided a summary of the scada system and the system is working well. Minor issues are being documented and resolved.
- 4) Badger Analytics meter reading and billing status: Doug provided a summary of the Badger Analytics meter reading and billing experience. The upgraded software and meter reading hardware is working very well.

Correspondence: none

Old Business:

1) Navy railroad trestle seismic retrofit project:

The Navy has responded to our requests to sit down and resolve right of way issues. No new information this month.

2) Water System Plan status:

NWS has provided a draft water system plan upgrade. Draft Water System Plan has been reviewed and comments will be forwarded to NWS for incorporation in final draft of document.

3) NWS responsibilities update: LLCC Water manager is reviewing services provided under contract by Northwest Water Services. There are work items that could be provided by our water manager instead of by NWS. LLCC water manager will provide a list of tasks that are currently provided by NWS and that could be provided by LLCC water system. Discussion will proceed once this list is provided. It is not the intent of the water committee to discontinue contracting with NWS – only to review current scope prior to contract negotiation.

- 4) Hiring new Water Department assistant: Advertisements have been placed for a new water system employee, Water Manager will short list candidates and defer to sub-committee for final selection.
- 5) NWS 2020 Water Rate and Reserve Study: Draft study has been reviewed and comments will be forwarded to NWS for incorporation into final document.
- 6) Budget for FY 2020-2021: A review of the proposed FY 2020-2021 was discussed. (see attached water budget assumptions). The 2020-2021 budget is a balanced budget and upon approval by the water committee at today's meeting will be forwarded to the LLCC Board and membership for approval.

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with 1 nay to raise the water meter installation fee for the FY 2020-2021 from \$1,000.00 to \$1,500.00

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with no nays to approve the FY 2020-2021 budget as presented

New Business:

1)Labor Day power failure: The water system experienced low system pressure during the recent power outage. In an abundance of caution – a boil water alert was declared. After a series of tests and in consultation with the State Health Department – the system was declared clean and the boil alert was lifted.

2) Options to improve power and water pressure resiliency: The remote text alarm system to notify by cell phone of potential water system issues has been reactivated. It was discovered during the recent power outage that once power is lost at the clubhouse – the water department communications (alarms) also fail. A larger ups and a dedicated communication line are needed for the water department. Don and Doug are working to resolve.

Commitments Review: None

Announcements:

1) Next meeting 9am Saturday October 10^{th,} 2020 – location and format to be determined on social distancing guidelines.

Motion to convene to closed session: none

Motion to reconvene to open session: none

Motion to accept all closed session motions: none

Motion to recommend to the LLCC Board of Directors:

Motion to adjourn: A motion to adjourn was made by Esther Springer-Johannesen, seconded by Brandon Koch, and passed with no nays as follows: To adjourn the meeting at 11:25am

These minutes have not been approved by the Water Committee.

They have been respectfully submitted by Pat Paradise.

MOTIONS FOR BOARD:

Approval of Minutes:

A motion was made by Brandon Koch, seconded by Kelly Evans, and passed with no nays to approve the minutes of August 8th 2020 as written.

Approval of Financial Report:

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with no nays to accept the financial report as presented.

Approval of 2020/2021 Water System budget:

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with 1 nay to raise the water meter installation fee for the FY 2020-2021 from \$1,000.00 to \$1,500.00

A motion was made by Kelly Evans, seconded by Brandon Koch, and passed with no nays to approve the FY 2020-2021 budget as presented

Motion to adjourn:

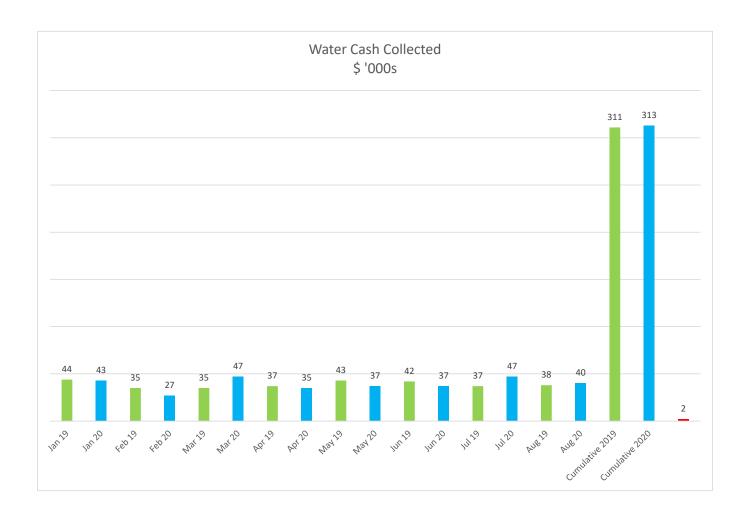
A motion to adjourn was made by Brandon Koch, seconded by Esther Springer-Johannesen, and passed with no nays as follows: To adjourn the meeting at 11:35am

Lake Limerick Water Systems BUDGET TO ACTUAL

Month Ended Aug 31, 2020

\$ (6 \$ \$	2,671 2,671 (86.07) (350.00) (17) (28) 0 81.60 0.00 (200.00 (134.49) (323.50 2.66 1,515	\$ \$	38,596 38,596 600.00 650.00 100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$\$\$\$\$\$\$\$\$	513.93 0.00 83 79 0 0 81.60 0.00	Revenue Gross Revenue Water Total Revenue Operating Expenses Fuel/Gas Expense Auto Repair & Maintenance Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$ \$ \$ \$	423,436 423,436 5,416.98 153.57 804 3,985 1,914	\$ \$ \$ \$	453,171 453,171 6,600.00 7,150.00 1,100 458	\$	(29,735) (29,735) (1,183.02) (6,996.43) (296) 3,527		495,900 495,900 7,200.00 7,800.00 1,200 500	92% 93.44 % 93.44 % 82.08 % 2.15 % 73.12 %
\$ (6 \$ \$	2,671 (86.07) 350.00) (17) 37 (28) 0 81.60 0.00 200.00 134.49) 323.50 2.66	\$ \$\$\$\$\$\$\$\$	38,596 600.00 650.00 100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$\$\$\$\$\$\$\$\$	41,267 513.93 0.00 83 79 0 0 81.60 0.00	Total Revenue Operating Expenses Fuel/Gas Expense Auto Repair & Maintenance Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$ \$	423,436 5,416.98 153.57 804 3,985 1,914	\$	453,171 6,600.00 7,150.00 1,100	\$	(29,735) (1,183.02) (6,996.43) (296)	\$	495,900 7,200.00 7,800.00 1,200	93.44 % 82.08 % 2.15 % 73.12 %
(6 \$ \$	(86.07) 650.00) (17) 37 (28) 0 81.60 0.00 200.00 134.49) 323.50 2.66	\$ \$ \$	600.00 650.00 100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$ \$ \$	513.93 0.00 83 79 0 0 81.60 0.00	Operating Expenses Fuel/Gas Expense Auto Repair & Maintenance Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$ \$	5,416.98 153.57 804 3,985 1,914	\$	6,600.00 7,150.00 1,100	\$	(1,183.02) (6,996.43) (296)	\$	7,200.00 7,800.00 1,200	82.08 % 2.15 % 73.12 %
(6 \$ \$	(17) (17) (17) (28) 0 81.60 0.00 (200.00 134.49) 323.50 2.66	\$ \$	650.00 100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$ \$	513.93 0.00 83 79 0 0 81.60 0.00	Fuel/Gas Expense Auto Repair & Maintenance Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$	153.57 804 3,985 1,914	\$	7,150.00 1,100	\$	(6,996.43) (296)		7,800.00 1,200	2.15 % 73.12 %
(6 \$ \$	(17) (17) (17) (28) 0 81.60 0.00 (200.00 134.49) 323.50 2.66	\$ \$	650.00 100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$ \$	0.00 83 79 0 0 81.60 0.00	Auto Repair & Maintenance Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$	153.57 804 3,985 1,914	\$	7,150.00 1,100	\$	(6,996.43) (296)		7,800.00 1,200	2.15 % 73.12 %
\$ \$	(17) 37 (28) 0 81.60 0.00 200.00 134.49) 323.50 2.66	\$ \$	100 42 28 0 0.00 0.00 0.00 1,008.33	\$ \$ \$	83 79 0 0 81.60 0.00	Bank Service Charges_ Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$	804 3,985 1,914	\$	1,100	\$	(296)		1,200	73.12 %
\$	37 (28) 0 81.60 0.00 200.00 134.49) 323.50 2.66	\$ \$	42 28 0 0.00 0.00 0.00 1,008.33	\$ \$ \$	79 0 0 81.60 0.00	Computer and Internet Expenses Dues & Subscriptions Employee Expense 401k	\$ \$	3,985 1,914	\$	-					
	(28) 0 81.60 0.00 200.00 134.49) 323.50 2.66	\$	28 0 0.00 0.00 0.00 1,008.33	\$ \$	0 0 81.60 0.00	Dues & Subscriptions Employee Expense 401k	\$	1,914		458		3 677	\$		
	0 81.60 0.00 200.00 134.49) 323.50 2.66	\$	0 0.00 0.00 0.00 1,008.33	\$	0 81.60 0.00	Employee Expense 401k					\$		Φ.		869.45 %
\$	81.60 0.00 200.00 134.49) 323.50 2.66		0.00 0.00 0.00 1,008.33		81.60 0.00	401k	Ф		\$	2,000	\$	(86)	\$	2,000	95.70 %
\$	0.00 200.00 134.49) 323.50 2.66	1	0.00 0.00 1,008.33		0.00			217	\$	0	\$	217	\$	0	
	200.00 134.49) 323.50 2.66	1	0.00 1,008.33			Now Hiro Evpopoo		1,237.18 814.00		0.00 0.00		1,237.18 814.00		0.00 0.00	
2	134.49) 323.50 2.66	1	1,008.33		200.00	New Hire Expense Education & Training		242.00		0.00		242.00		0.00	
	323.50 2.66	•	-	Ω	,873.84	Salaries & Wages		81,945.93	1	21,091.67	(39,145.74)	1.	32,100.00	67.67 %
, ,	2.66		0.00	O,	823.50	Payroll Expenses		7,311.59		0.00	(-	7,311.59	1.	0.00	07.07 /6
0			0.00		2.66	Payroll Tax Expense		235.85		0.00		235.85		0.00	
\$		\$	0.00	\$	1,515	Legal Fees	\$	1,515	\$	0.00	\$	1,515	\$	0.00	
\$	0	\$	0	\$	0	Equipment Rental	\$	10,091	\$	4,000	\$	6,091	\$	4,000	252.28 %
\$	(105)		1,708	\$	1,604	General Liability Expense	\$	15,027	\$	18,792	\$	(3,764)	\$	20,500	79.97 %
\$, ,	\$	0	\$	(6)	Interest Expense	\$	1,625	\$	1,500	\$	125	\$	1,500	108.33 %
\$	106	\$	0	\$	106	License & Permits	\$	1,710	\$	2,100	\$	(390)		2,200	81.45 %
\$	(25)		25	\$	0	Meals and Entertainment	\$	69	\$	275	\$	(206)		300	25.20 %
\$	299	\$	200	\$	499	Merchant Account Charges	\$	5,146	\$	2,200	\$	2,946	\$	2,400	233.89 %
\$	(25)	\$	25	\$	0	NSF Check Fees Returned Items	\$	30	\$	275	\$	(245)		300	10.91 %
\$	(6)	\$	67	\$	61	Office Supplies	\$	247	\$	733	\$	(487)	\$	800	33.66 %
	1,875	\$	125	\$	2,000	Office Expense	\$	2,122	\$	1,375	\$	747	\$	1,500	154.33 %
\$	(375)		375	\$	0	Postage and Delivery	\$	4,308	\$	4,125	\$	183	\$	4,500	104.45 %
	(8,349)	\$	4,000	\$	(4,349)	Professional Fees	\$	56,222	\$	51,000	\$	5,222	\$	55,000	110.24 %
	(4,956)	\$	5,000	\$	44	Repairs and Maintenance	\$	38,499	\$	27,000	\$	11,499	\$	30,800	142.59 %
\$	(267)	\$	267	\$	0	Service Contracts	\$	0	\$	2,933	\$	(2,933)	\$	3,200	0.00 %
\$	(113)	\$	333	\$	220	Small Tools and Equipment	\$	2,078	\$	3,667	\$	(1,589)	\$	4,000	56.66 %
\$	(974)	\$	1,000	\$	26	Supplies_	\$	6,707	\$	11,000	\$	(4,293)	\$	12,000	60.98 %
\$	0	\$	0	\$	0	Taxes - Property	\$	365	\$	0	\$	365	\$	0	
\$	387	\$	1,234	\$	1,620	Taxes - Public Utility	\$	15,954	\$	13,676	\$	2,278	\$	15,000	116.66 %
\$	10	\$	158	\$	168	Telephone Expense	\$	3,763	\$	1,742	\$	2,021	\$	1,900	216.03 %
\$	(42)	\$	42	\$	0	Travel Expense	\$	7	\$	458	\$	(451)	\$	500	1.53 %
\$	0	\$	0	\$	0	Uniforms	\$	0	\$	750	\$	(750)		1,000	0.00 %
\$	538	\$	2,150	\$	2,688	Utilities v	\$	23,996	\$	18,650	\$	5,346	\$	21,000	128.67 %
\$	(371)	\$	417	\$	46	Water Testing	\$	1,661	\$	4,583	\$	(2,922)	\$	5,000	36.25 %
\$ (1	12,655)	\$	29,554	\$	16,899	Total Operating Expenses	\$	295,420	\$	309,234	<u>\$</u>	(13,814)	<u>\$</u>	338,200	95.53 %
\$ 1	15,326	\$	9,042	\$	24,369	Operating Income (Loss)	\$	128,016	\$	143,937	\$	(15,921)	\$	157,700	88.94 %
						Other Income									
\$	157	\$	67	\$	224	Interest Income_	\$	8,502	\$	733	\$	7,769	\$	800	1,159.42 %
\$	157	\$	67	\$	224	Total Other Income	\$	8,502	\$	733	\$	7,769	\$	800	1,159.42 %
\$ 1	15,484	\$	9,109	\$	24,593	Net Income (Loss)	\$	136,518	\$	144,670	\$	(8,152)	\$	158,500	94.37 %
				((10,856)	Main Line and Well Capacity Reserves	\$	(120,065)	\$	(119,534)			\$	(130,400)	
			•		13,737	, ,	÷	16,453	÷	25,136		•	-	28,100	
					. 0, . 0 .	Well #6 Loan Repayment	\$	(18, 123)	\$	(18,100)			\$	(18,100)	
							\$	(1,670)		7,036		•	\$	10,000	

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EDWARD JONES INVESTMENTS 31-Aug-20

			<u>Purchase</u>			Maturity	Maturity	Inter	rest at	<u>FDIC</u>		
<u>Acct No.</u> HOA	<u>Type</u>	<u>Value</u>	<u>date</u>		<u>Rate</u>	<u>Date</u>	<u>Value</u>	Mat	<u>turity</u>	<u>Insured</u>	<u>Oct</u>	<u>Jan</u>
841-01533-1-9	Cert of Deposit	\$ 115,000.00	4/22/2020	Bank of China New York City	1.00%	10/22/2020	\$ 115,000	\$ 5	576.58	Yes	\$ 115,000	
	Cert of Deposit	\$ 116,000.00	6/25/2020	Bank of India New York	0.15%	1/27/2021	\$ 116,000	\$ 1	102.97	Yes		\$ 116,000
	Cert of Deposit	\$ 140,000.00	7/17/2020	First Rep BK San Francisco CA	0.10%	1/15/2021	\$ 140,000	\$	69.81	Yes		\$ 140,000
	Cash	\$ 250,342.28		Edward Jones	0.01%					Yes		
		\$ 621,342.28									\$ 115,000	\$ 256,000
HOA												
841-20043-1-2	Bank Deposit	\$ 24,622.47		Bank of China	0.05%					Yes		
	Bank Deposit	\$ 21,173.73		Truist Bank	0.05%					Yes		
	Bank Deposit	\$ 6,804.48		Well Fargo Bank	0.05%					Yes		
	Bank Deposit	\$ 54,444.80		Citibank	0.05%					Yes		
		\$ 107,045.48										
WATER												
841-11177-1-9	Cert of Deposit	\$ 185,000.00	4/21/2020	Trust Bk Charlotte NC	1.00%	10/21/2020	\$ 185,000	\$ 9	927.53	Yes	\$ 185,000	
	Money Market	\$ 249,347.94		Edward Jones	0.01%					Yes		
		\$ 434,347.94										
WATER												
841-20044-1-1	Cert of Deposit	\$ 151,000.00	1/17/2020	Wells Fargo West Las	1.70%	10/19/2020	\$ 151,000	\$ 1,9	941.07	Yes	\$ 151,000	
	Cert of Deposit	\$ 97,000.00	7/17/2020	First Rep BK San Francisco CA	0.10%	1/15/2021	\$ 97,000	\$	48.37	Yes		\$ 97,000
	Cash	\$ 1,040.47			0.01%					Yes		
		\$ 249,040.47									\$ 336,000	\$ 97,000

841-01533-1-9	\$	4,807.03
841-20043-1-2	\$	372.52
	\$	5,179.55
Water	ΥT	D Interest
Water 841-11177-1-9	YT \$	D Interest 4,553.64

YTD Interest

HOA

Lake Limerick Water Systems Transaction Detail By Account

August 2020

Type	Date	Num	Name	Memo	Debit	Credit	Balance
66700 · Pro	ofessional Fees						
Invoice	08/13/2020	TOBIN/THOMA	O/W TRANSFER TO WATER ACCT	Tree felling reversed to He	AC	7,052.50	-7,052.50
Bill	08/25/2020	13011	JWM&A	Navy railroad project	1,479.48		-5,573.02
Bill	08/25/2020	20-05322	NWS		1,197.94		-4,375.08
Bill	08/31/2020	0080404	Utilities Underground		25.80		-4,349.28
					2,703.22	7,052.50	-4,349.28
					2,703.22	7,052.50	-4,349.28



Lake Limerick Water

Manager's Report August 2020

September 12th, 2020

Lake Limerick Water System: Water Committee Meeting regarding August 2020.

The general condition of the water system is currently good, with reliable water availability to the customers. Although, we continue to have VFD and motor power faults at various well sites (especially Well 6).

SCADA is regularly monitored and operated everyday.

Well Conditions:

- **Ψell #1** is operating "normally". Frequent Comms/electrical issue (Working on it)
- ₩ell #2 is still in stand-by and is considered a Seasonal use per Water Rights.
- \blacksquare Wells #3A/3B are operating "normally".
- **↓** Well #4 is operating "normally".
- **₩ell #5** is operating "normally".
- **Well #6** is operating "normally". Although, frequent motor/VFD failures (working on it)

 The faults seem to occur more during the hot weather.

Water Usage:

9,857,600 gallons were pumped, 9,302,166 gallons were metered from distribution 555,434 gallons net loss 5.6% Loss

Customer Concerns:

LLWS had 20 regular locates.

Water Sampling:

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

Action Items

Well Site #6: There have been issues with the motors/VFD "errors." Don Bird and I are working on this.

Late night call outs and well site failures had been continuing. These failures happen most nights during hotter weather. This may be due to PUD's electrical demand and power supply fluctuations.

Alarms still in effect at sites #2 (currently off), and #5 (intrusion alarm).

Part of this month's water loss was due to a service connection leak, fire department hydrant flow testing and water usage for a fire.

There was a power outage on Monday September 7th. This power outage resulted in VFD/Motor/generator failures at our wells sites and auto alarm communication failure at the Inn. Because of this, the LLWS lost water pressure and we followed WDOH requirements related to distribution flushing, water sampling and boil water advisory. In the end, the laboratory confirmed good water samples and the WDOH agreed for us to lift the boil advisory on Friday September 11th.

During the above mentioned flushing I was able to watch the water dynamics on SCADA. On Wednesday September 9th we hit at about a 93 degree day and customer water usage was high. During this time, I only open the 2.5" outlet on the fire hydrants 25% - 33% and watched the water system being burdened to its maximum capabilities while flushing. Thus, if we would have actually had a fire the fire department would have had very limited water supply. I have a suggestion as to how to remedy part of this issue.

I will be contacting Legacy power this week about the generators. I also have initial communication started with "Jacobs Engineering" and "Black and Veatch Engineering" about solving our electrical and generator issues. I'm supplying them with very basics of what our difficulties are in order to supply you with initial information. From there you can decide on how to proceed.

			WATE	R CON	SUMPTI	ON RE	PORT - :	2020						
			WATER \	/OLUME	ENTERING	DISTRI	BUTION S	YSTEM						
A. Total Volume Produced	January-20	February-20	March-20	April-20	May-20	June-20	July-20	August-20	September-20	October-20	November-20	December-20	Total	
otal Volume Produced Well #1	740,000	660,000	910,500	1,026,600	451,800	557,700	758,800	650,700					5,756,10	
otal Volume Produced Well #2	0		0	0	0	0	0	0						
otal Volume Produced Well #3a	788,700	767,400	568,800	704,300	260,200	1,341,700	1,940,400	1,678,500					8.050.00	
otal Volume Produced Well #3b	1.065.300	1.027.400	763,900	1.492.700	652,000	1,845,100	2,727,200	2,404,700					11,978,30	
otal Volume Produced Well #4	213,800	222,900	731,800	738,600			1,244,100	1,476,900					7,252,20	
otal Volume Produced Well #5	24,700	121,400	538,800	501,300	858,600	902,400	1,071,200	1,167,100					5,185,50	
otal Volume Produced Well #6	1,575,500	904,000	790,000	518,300	2,335,600	1,079,100	1,473,500	2,479,700					11,155,70	
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	n,	
1. Total Water Produced All Sources:	4.408.000	3,703,100	4 202 900	4,981,800	6,061,400	6 946 000	9,215,200	9.857.600	0	0	0	0		
1. Total Water Froduced All Sources.	4,400,000	3,703,100	4,303,000					9,037,000		U	U	U	49,377,80	
TOTAL VOLUME CONSUMED														
A. Water Volume Metered illed and Unbilled)	3,669,889	3,526,709	4,069,105	4,737,702	5,816,966	6,220,071	8,796,063	9,302,166					46,138,67	
C. Estimated Authorized Uses hay be billed or Unbilled)														
tility Flushing and Tank Cleaning														
refighting and Training														
torm or Sewer Cleening / Street Sweep														
ther:														
istribution storage - Allowed														
2. Total Authorized Consumption	3,669,889	3,526,709	4,069,105	4,737,702	5,816,966	6,220,071	8,796,063	9,302,166	0	0	0	0	46,138,67	
T		.=							_					
Total Volume DSL	738,111	176,391	234,695	244,098	244,434	626,829	419,137	555,434	0	0	0	0	3,239,129	
Percent DSL	16.7%	4.8%	5.5%	4.9%	4.0%	9.2%	4.5%	5.6%						
													, I	
Year to Date Total DSL:				is base	ance with d on a 3-y t three sub	ear avera	ge from	1	0.6%					
			Next years 3 year average based						11.00/					
				Next yea	curren	_	based on		11.2%					
		acrft/yr)									•			
	Water Rights Data AFY (Qa) % of total Total Acre-feet used			right used	WR allocat		WR allo	cated (%)	MIFR (Qi) GPN					
5566-A (G2-08049) AHA-974 S05 Well #1	117			5,756,100		17.7		.1%		17.7		2.5%	10	
5587-A AHA-978 S02 Well #2	166			0 0.0			0%		50.1		7.2%	20		
5888-A (G2-08834) AHA-976 S03 Well #3A	84			8,050,000		24.7		.4%		24.7		3.5%	10	
APP G2-29483 AHA-975 S06 Well #3B	254			11,978,300		36.8		.5%				0.0%	21	
7012-A (G2-09889) AHA-973 S04 Well #4	79			7,252,200		22.3		.2%		22.3		3.2%	10	
	152			5,185,500		15.9		.5%				0.0%	19	
G2-27215 AHA-977 S07 Well #5*	/^^		15.8% 11,155,700											
G2-27215 AHA-977 S07 Well #5* G2-27443 S08 Well #6* Total AFY without supplementals	160 700			11,155,700 49,377,800		34.2 151.5		.6%		114.8		0.0% 16.4%	20 7 1	

Electrical Usage in KwH Jan-18 Feb-20 Mar-20 Apr-20 May-20 Jun-20 Jul-20 Aug-20 Oct-20 Nov-20 Sep-20 Dec-20 Total Well #1 Well #2 Well #3 14,180 6,676 52,124 2,170 1.869 2 464 2,463 1 182 1.098 1 576 1.358 2844 5,698 1705 4,964 506 5,800 407 7,164 6,319 Well #4 775 819 2,168 2,213 4,025 2,639 2,706 3,341 18,686 20,011 2,177 4,131 1,990 4,428 9,783 Well #6 48,014 total: 16,211 16,161 17,609 16,458 28,321 159,691

				Gallon	<u>s Per Kw</u>	<u>/H</u>						Gal/KwH YTD	
Well #1	341	353	370	417	382	508	481	479				416	AVG
Well #2		0	0	0	0	0	0	0				0	AVG
Well #3	293	315	268	379	364	445	442	448				369	AVG
Well #4	276	272	338	334	373	425	460	442				365	AVG
Well #5	61	169	247	252	237	331	271	264				229	AVG
Well #6	241	215	191	149	256	233	241	253				222	AVG
										AVG Gal/K	wH combined =	309	
total:	272	229	244	303	289	367	364	348					

	Historical I		
	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	57,963,886	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		4.5%
2018	67,149,235		4.4%
2019			22.7%
2020	49,377,800		6.6%
2021	49,377,800		6.6%
2022	49,377,800	46,138,671	6.6%
2023	49,377,800		6.6%
2024	49,377,800	46,138,671	6.6%
2025	49,377,800	46,138,671	6.6%

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

Distribution System Leakage Notes:

Water Budget Assumptions

Fiscal Year Oct 1, 2020 – September 30, 2021

In consultation with Northwest Water Systems and their subsequent suggestions, the Lake Limerick Water Committee is recommending a revised and updated water system rate plan. Per this plan, the initial recommendations are: raising the base charge for each metered lot to \$35.00 per month, lowering excess usage included in the minimum charge to 6000 gallons, and incrementally increasing the charge per 1000 gallons of water usage above that minimum as noted in Items 1, a-d below. The increased revenue brings the LLCC Water system closer to covering operational costs and asset replacement for our nearly 60-year-old water system as it approaches its useful service life.

Due to the current economic situation caused by COVID-19, the Committee has considered that many of our members are already suffering a financial hardship at this time. However, minimally increasing water system rates is necessary to continue essential maintenance, repairs, and replacement of worn-out parts of our system.

The fees for this year are based on covering our current operating expenses. We have not included additional monies to go into reserve accounts (although recommended by the Northwest Water systems study), other than the current \$8.00 per lot per month that has been ongoing since 2012.

Future rate increases can be anticipated as the system ages, demands for water usage increase, and maintenance costs rise.

- 1) Watered meter rates increase as follows:
 - a. \$35.00 per lot for 6000 gallons
 - b. 6001 gallons 10,000 gallons \$2.75 per 1000 gallons
 - c. 10,001 15,000 gallons \$3.75 per 1000 gallons
 - d. 15,001 and over \$4.75 per 1000 gallons
- 2) Non metered lots increase from \$16.00 per month to \$18.00 per month
- 3) Locked Metered lots increase from \$16.00 per month to \$18.00 per month
- 4) ½ Lots increase from \$8.00 per month to \$9.00 per month
- 5) All water revenue rates include \$8.00 per month to reserves for full lots and \$4.00 per month to half lots
- 6) Anticipate revenue from possible future excess usage charges to drop 20 to 30 percent as people fix leaks and control usage due to increased excess water-usage rates.
- 7) Interest income from current reserves/savings dropped to "zero" as interest rates have declined.
- 8) Current interest expense rate on Well #6 loan is 1.5%
- 9) Utility tax current rate of 5% based on water usage.
- 10) Staffing increased from 2 to 3 full time staff; 2 operational and 1 office.
- 11) Navy Railroad water line move. Estimated between \$10,000 and \$50,000 if we must move the water line on Mason Lake Road under the current navy railroad trestle. As this is pending legal resolution the cost is shown on the capital budget for the upcoming fiscal year as notated.