

LAKE LIMERICK COUNTRY CLUB
WATER COMMITTEE MEETING
October 8, 2016
Minutes

The Meeting was called to order at 9:00am by Chair Phyllis Antonsen.

Members Attending: Chair Phyllis Antonsen, Treasurer Mark Franklin and Members Gary Lentz
Brandon Koch, and Brian Parnell. Secretary Don Bird was excused.

Board of Directors Attending: None

Employees Attending: None

Contractors Attending:

None

Guests Attending: None

Approval of Minutes

A motion was made by Mark Franklin seconded by Gary Lentz and passed with no
nays as follows: To approve the Minutes of September 10, 2016 as written

Additions to Agenda – None

Financial Report -

1) Status of financial reports and accounts payable
Mark presented limited financial data as updated financial information still not available from LLCC
staff including status of budget vs. actual expenses. Mark presented account balances for KeyBank
accounts and Phyllis reported on the OCCU and Edward Jones accounts. R

Rounded off: Key Bank checking - \$36,000, Dedicated Reserves -\$ 358,000 OCCU savings - \$64,000,
Edward Jones - \$159,000.

Mark mentioned that it might be necessary to transfer some funds from OCCU or Edward Jones to the
operating account as that amount is low due to the recent transfer to the LLCC of \$120,000.

Mark also reported a copy of the October 4th book transfer of funds for monthly water obligations to
the Gen operating account. Only total dollars were noted, there were no details of individual items.

2) Budget

The water budget for 2016-2017 has been approved by the BOD.

3) Delinquent account report

A large, multiple page list of delinquent accounts was presented. This list is many times larger than the
past monthly reporting by the ex-General Manager. One assumption is that some of these accounts
may be lot owners that had been paying by automatic credit card withdrawals which are no longer
being completed. Mark to follow up with the LLCC office to determine validation of the report details
and understanding of the delinquent account report as well as who in the LLCC office is responsible for
managing and following up on the delinquent accounts.

A motion for the board was made by Mark Franklin seconded by Brandon Koch and
passed with no nays as follows: For the LLCC Office Manager, by the 5th of each
month, provide to the water committee an itemized listing of expenses that matches
the budget line items.

Water Distribution Managers Report - Attached.

- 1) The leak rate for the month of September was 9.2 percent down from the 11.5% in August. There is a significant leak on Old Lyme Rd that was identified and will be repaired on Monday, October 10th. There is still some question whether the total metered consumption from the billing system includes all accounts. This includes 7 meters for LLCC usage (which equates to approximately \$250 last month). One assumption is that some of these accounts may be lot owners that had been paying by automatic credit card withdrawals.
- 2) The well 6 pump capacity vs aquifer refill rate issue continues to be investigated. Data has been collected for static water levels and drawdown. Investigation of modifying the variable frequency drive settings is in process and MWS will assist next Monday.
- 3) Need to add the periodic testing of the hydrostatic tanks report to the Action List once the appropriate schedule is determined. Steve is investigating.

Correspondence - We received a request in August from Mr. and Mrs. Kelly requesting forgiveness for excess usage that they had discovered and they indicated had been fixed. Don wrote to them and explained that only a single forgiveness for a single month could be granted and asked for confirmation that they wanted to use their one-time forgiveness for the excess usage but no reply had been received. Checking the water billing records, the leak has apparently not been fixed and they have not paid for past bills. As of October 8, no correspondence has yet to be received however, apparently a plumber was seen working on the lot last month.

Old Business

- 1) SCADA and radios - Don reported that the SCADA system is operating fine. See additional information in the attached October 3 notes from Don Bird.
- 2) Water rights - Linda Bower with NWS is working on this.
- 3) Exterior tank cleaning - Completed.
- 4) 2" meters - Still under investigation. - Don reported that the SCADA system is operating fine. See additional information in the attached October 3 notes from Don Bird.

New Business - none

Announcements

- 1) Next Water Committee meeting November 10, 2016.
- 2) Semi-annual meeting rescheduled to October 30, 2016 at 12:30pm

Motion to adjourn

A motion was made by Mark Franklin seconded by Brandon Koch and passed with no nays as follows: To adjourn the meeting at 10:02am.

These minutes have not been approved by the Water Committee
Respectfully Submitted by: Brian Parnell

MOTIONS FOR THE BOARD

A motion was made by Mark Franklin seconded by Gary Lentz and passed with no

nays as follows: To approve the Minutes of August 13, 2016 as written

A motion was made by Mark Franklin seconded by Gary Lentz and passed with no nays as follows:

(For the LLCC Office Manager, by the 5th of each month, provide to the water committee an itemized listing of expenses that matches the budget line items.



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October 6, 2016

Lake Limerick Water System: October Meeting

The general condition of the water system is good with no concerns as to system pressures, or the water availability to the customers.

Well Conditions:

Well #1 is operating normally. (Booster is on timer, runs from appx. 7am to 3pm)

Well #2 is still in stand-by and its use will only be required in extreme cases.

Wells #3A and #3B are operating in balance with well #6. (Steve forces off 3A and 3B overnight, then puts them back into AUTO during the day) These wells are currently at 70% of their allocated water right for the year.

Well #4 is operating normally.

Well #5 ran in its' normal capacity (constant), and was shut down for the season on September 30th.

Well #6 is operating in balance with 3A and 3B. (While the #3 system is forced off during the evening, The boosters @ #6 provide pressure to the system)

Water Usage:

Water usage was about average for the month of September, (Going back to averages for the past 3 years). The total amount of water pumped was 5.4 million gallons, an 11% increase from last year. The leak rate for the month is at 9.2%. Leak rate for the year is standing at 9.9%.

Steve and Joe have identified a leak on Old Lyme Rd. On Wednesday they dug it up with hopes having the capability to repair, however the leak is present at a coupling on a 4" A.C. line. Kevin and Russell (Northwest Water) will be onsite this Monday to complete the repair.

Customer Concerns:

LLWS had 9 locates, 2 high usage complaints, and 2 service shut-offs.

Water Sampling:

The bacteria samples for September were satisfactory. The routine bacteria samples for October are scheduled to be collected and delivered to the lab on October 11th. In addition to these, an investigative sample will be taken near the repair site on Old Lyme to ensure no contamination

has occurred in light of the leak repair.

Thoughts:

I'll do my best to not regurgitate the information from Don Bird's email. However I will lightly touch on some of his points.

Water Right Consolidation – Lydia Bower in NWS Engineering is working with Dept. of Ecology to see what can be done.

I have sent 2 additional spreadsheets this month. One reflecting the static water levels. And another which is a drawdown test based of the sensor readings in Well #6, and gallons per minute in relation column level in the well (head pressure). In regards to Well #6 Don mentioned Joe is looking into how to reduce the gpm that the well pump produces. Currently the drive for this pump reads "Drive not responding". **If** Kevin has time when his is on site Monday after the leak repair, he will investigate this issue and see if it can be dealt with.

Well #2 – There is an in ground bees nest near the tank, directly in the area which we need to investigate. Steve has sprayed this area and on Tuesday we will look into whether this tank is still plumbed in with the Well #2 pumping system. We are hoping to find a valve and find it shut. If we can put the tank on line, the scope of work for configuring this well to create a fill station will be even more simple than originally thought. I will update as the information becomes available.

Pressure Tank Pre-Charge checks. Steve and I will be doing this throughout the winter months. We have already checked the tank pre-charge at Well #5. Since most of the booster systems are run in a "constant pressure" like manner, I will seek advisement from Kevin as to what the pre-charges should actually be.

Tank #4 exterior has been pressure washed. It looks great. I have sent pictures for you to view.

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Well #1	517,316	564,665	512,006	492,109	659,436	645,524	562,047	749,795	569,901			
Well #2	0	0	0	0		0	0	0	0			
Well #3a	679,700	407,100	474,300	1,079,100	887,200	1,177,800	1,794,500	2,325,300	534,800			
Well #3b	729,200	433,400	528,300	1,147,200	937,700	1,263,500	1,991,600	2,103,700	568,400			
Well #4	600,000	744,300	735,000	682,000	1,319,100	2,004,600	1,209,200	1,933,100	953,500			
Well #5	0		0	0	923,000	1,953,600	1,235,300	1,954,200	1,814,700			
Well #6	1,459,900	1,612,600	1,649,900	947,700	1,967,800	363,700	833,800	954,200	969,100			
total:	3,986,116	3,762,065	3,899,506	4,348,109	6,694,236	7,408,724	7,626,447	10,020,295	5,410,401	0	0	0

Flushing												
Dumping												
Leakage	72,000		66,240	14,400		2,430						
Fire/Cnty			750		41,500	65,314	118,186	99,001				
total:	72,000	0	66,990	14,400	41,500	67,744	118,186	99,001	0	0	0	0

Net Total	3,914,116	3,762,065	3,832,516	4,333,709	6,652,736	7,340,980	7,508,261	9,921,294	5,410,401	0	0	0
Meters	3,590,728	3,562,477	3,601,988	3,961,235	5,974,955	6,446,451	6,571,020	8,773,570	4,912,093			

Net Loss	323,388	199,588	230,528	372,474	677,781	894,529	937,241	1,147,724	498,308	0	0	0
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Percent	8.1%	5.3%	5.9%	8.6%	10.1%	12.1%	12.3%	11.5%	9.2%	0.0%	0.0%	0.0%
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Year to Date Total Loss: 9.9%

	Right (acrf/yr)		Total	Acre-feet	%Water right	WR allocated (AFY)	WR allocated (%)
	AFY	% of total					
Well #1	117	26.2%	5,272,799	16.2	13.8%	16.2	3.6%
Well #2	166	37.2%	0	0.0	0.0%	57.2	12.8%
Well #3	84	18.8%	19,062,800	58.5	69.6%	58.5	13.1%
Well #4	79	17.7%	10,180,800	31.2	39.5%	31.2	7.0%
Well #5*	152	34.1%	7,880,800	24.2	15.9%		
Well #6*	160	35.9%	10,758,700	33.0	20.6%		
Total	446		53,155,899	163.1	36.6%	163.1	36.6%

Electrical Usage in Kwh

	Jan-13	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Well #1	1,370	1,459	1,371	1,327	1,669	1,642	1,457	1,902	1,498			
Well #2	94	126	107	108	95	100	96	146	87			
Well #3	3,893	2,647	3,514	5,750	4,870	6,229	9,470	11,100	3,166			
Well #4	1,748	2,114	2,093	1,921	3,516	5,365	3,213	5,110	2,569			
Well #5	22	28	27	25	2,464	5,119	3,563	5,613	5,075			
Well #6	6,541	7,457	7,474	4,875	8,748	2,648	4,416	5,010	5,006			
total:	13,668	13,831	14,586	14,006	21,362	21,103	22,215	28,881	17,401	0	0	0

Gallons Per Kwh

Well #1	378	387	373	371	395	393	386	394	380	0	0	0
Well #2	0	0	0	0	0	0	0	0	0	0	0	0
Well #3	362	318	285	387	375	392	400	399	348	0	0	0
Well #4	343	352	351	355	267	236	620	412	221	0	0	0
Well #5	0	0	0	0	535	392	339	344	188	0	0	0
Well #6	223	216	221	194	106	738	280	390	363	0	0	0
total:	292	272	267	310	313	351	343	347	311	0	0	0

Historical Data

	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	56,874,086	53,685,498	5.5%
2013	56,859,553	54,275,297	4.4%
2014	62,649,611	60,973,228	2.9%
2015	66,109,416	61,749,171	6.5%

Gal/Kwh YTD

Well #1	385
Well #2	0
Well #3	376
Well #4	368
Well #5	359
Well #6	206
Average	318