

**LAKE LIMERICK COUNTRY CLUB
WATER COMMITTEE MEETING**

**Minutes of February 13th, 2021
Meeting Location: ZOOM Internet Meeting**

Call to Order: The Meeting was held online via ZOOM Meeting on the internet. The meeting was called to order at 9:05 am by Chairman Don Bird.

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

Board of Directors Attending: Dean Dyson

Employees Attending: Water Manager Doug Carothers

Contractors Attending: none

Guests Attending: Keith Reitz, Deputy Fire Marshal

Approval of Minutes:

A motion was made by Esther Springer-Johannesen, seconded by Kelly Evans, and passed with no nays to approve the minutes of January 9th 2021 as written.

Additions to Agenda: none

Comments from any Guests: none

Fire Hydrant Discussion: Keith Reitz, Deputy Fire Marshal

A handout on Washington State RCW's and Mason County Ordinances was distributed (see attached) as they pertain to new and existing fire fighting systems. Deputy Fire Marshal re-capped the codes as they pertain to Lake Limerick. He also provided a re-cap of a meeting held last Thursday. Hydrants are currently "black bagged" as a means to identify them for non-use. Water Committee has secured the services of RH2 Engineering to provide baseline water system capabilities. Low pressure measurements have been recorded during hydrant testing. A recent Lake Limerick structure fire was handled without the use of hydrants by utilizing tender trucks. Local fire district owns 3 tenders and one tender is currently housed at Lake Limerick Fire Station. Fire fighting utilizing tender trucks is common within Mason County and about 85% of Mason County fires are fought this way. Two current gravity tender fill locations are at Bayshore and Pioneer School. LLCC water system will be looking at feasibility of adding a tender fill station within Lake Limerick. Deputy Fire Marshal added that he is willing to address our community at a town hall meeting to discuss this further.

Financial Report:

1) **Water System Financial Report:** A draft financial report was provided by treasurer Esther Springer-Johannesen including budget to actual expenditures, investments, cash on hand, and water revenue. Revenues are up due to recent rate structure approval. Closing out of the 2019/2020 budget is in process, waiting on some financial numbers to come in to close out the 2019/2020 budget.

- 2) **Accounts Payable/Receivable:** Treasurer Esther Springer-Johannesen
Accounts payable/receivable is tracking and there is no documented decline in revenue due to impacts of the Corona Virus. Water budget is ahead of projections. There is a financial discrepancy in the reports generated for this meeting and with the office closed for snow days – no way to reconcile prior to today’s meeting. Financial report will be accepted and approved pending updated report.
- 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 were investigated. Accounts are coming due and will be re-invested at best rates available.
- 4) **Reserve Study Status:** HOA reserve study contract has been awarded. Esther followed up with HOA representative Connie Wong for updates. Don Bird will followed up with Northwest Water Services for updates. Water Department will follow HOA plan to list assets of \$15,000.00 or more to be included in study inventory. There will be a Zoom meeting next week to review the draft report.

Motion to Approve Financial Report:

A motion was made by Brandon Koch, seconded by Pat Paradise, and passed with no nays to accept the financial report “pending clarification of budget discrepancy”

Water Distribution Mangers Report:

- 1) **Manager’s report and consumption spreadsheet:** The report was very complete and is attached for record. Water System is in good shape overall – (report attached)
Consumption spreadsheet (attached): The calculated water loss for the month is 9.9% and for the year is 10.6% with a goal of remaining under 10%. The consumption report is attached for record. Suspected leaks have been located at Dartmore, Road of Tralee, and Clonakilty and are waiting on a few days of dry weather to investigate. Mason County has approved probing asphalt with a drill to look for water seepage.
Water Manager updated leak repairs onto spreadsheet to document ongoing repairs. Water testing/sampling are satisfactory – no issues. Well 6 is currently offline due to electrical issues. Ram Electric is scheduled to troubleshoot issues. 15 locate requests were received this month.
- 2) **SCADA System:** Installation of new “external” antenna will provide better coverage for new cellular radios. Signal coverage has been an issue due to metal building construction of maintenance shop.
- 3) **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.
- 4) **RH2 Engineering Contract:**
RH2 contract has been executed and work is proceeding with input from Water Manager and Don Bird.

5) **Office/Shop/Storage research:** Water Manager has been researching options and costs for additional office and support space for water department. There are plans to reconfigure existing space at the maintenance building. A construction budget of not to exceed \$18,000.00 was approved. Water Manager will provide a sketch of proposed reconfiguration of available spaces (see attached). There are now concerns that allocated “in house” labor may become too busy to do the work.

Motion to Approve Maintenance Shop Remodel:

A motion was made by Esther Springer-Johannesen, seconded by Kelly Evans, and passed with no nays to approve a “not to exceed” \$18,000.00 budget allocation to reconfigure existing floor space and metal storage shed per the attached floor plan documents.

Correspondence:

1) Forgiveness Letter

A request was received for a onetime forgiveness of excess water usage due to a leak in the amount of \$145.25. Repairs have been made and forgiveness letter approved.

Motion to Approve Excess Water Usage Forgiveness:

A motion was made by Esther Springer-Johannesen, seconded by Pat Paradise, and passed with no nays to forgive a \$145.25 over usage of water. Repairs have been completed and this is a onetime forgiveness.

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. Our engineer has submitted routing/sequencing of a temporary main line “by-pass” to the Navy. The Navy’s contractor could be utilized to do the installation instead of LLCC. More information will be provided as it becomes available.

2) NWS Water System Plan Status- Don:

Final review by end of December

3) NWS 2021 contract negotiation:

LLCC water manager provided a spreadsheet of current vs proposed NWS responsibilities (see attached). Revisions to existing month to month contract will be implemented.

New Business:

1) none

Commitments Review: None

Announcements:

1) Next meeting 9am Saturday March 13th, 2021 – location and format to be determined on social distancing guidelines.

Motions to recommend to the LLCC Board of Directors:

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 10:35am

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 Esther Springer-Johannesen, seconded by Kelly Evans, and passed with no nays to approve the minutes of January 9th 2021 as written.

Approval of Financial Report:

A motion was made by Brandon Koch, seconded by Pat Paradise, and passed with no nays to accept the financial report “pending clarification of budget discrepancy”

Approval of motion to accept maintenance shop floor space reconfiguration budget:

A motion was made by Esther Springer-Johannesen, seconded by Kelly Evans, and passed with no nays to approve a “not to exceed” \$18,00.00 budget allocation to reconfigure existing floor space and metal storage shed per the attached floor plan documents.

Approval of one time excess water consumption forgiveness request:

A motion was made by Esther Springer-Johannesen, seconded by Pat Paradise, and passed with no nays to forgive a \$145.25 over usage of water. Repairs have been completed and this is a onetime forgiveness.

RCW 19.27.031*Washington State***State building code—Adoption—Conflicts—Opinions.**

Except as otherwise provided in this chapter, there shall be in effect in all counties and cities the state building code which shall consist of the following codes which are hereby adopted by reference:

- (1)(a) The International Building Code, published by the International Code Council, Inc.;
- (b) The International Residential Code, published by the International Code Council, Inc.;
- (2) The International Mechanical Code, published by the International Code Council, Inc., except that the standards for liquefied petroleum gas installations shall be NFPA 58 (Storage and Handling of Liquefied Petroleum Gases) and ANSI Z223.1/NFPA 54 (National Fuel Gas Code);
- (3) The International Fire Code, published by the International Code Council, Inc., including those standards of the National Fire Protection Association specifically referenced in the International Fire Code: PROVIDED, That, notwithstanding any wording in this code, participants in religious ceremonies shall not be precluded from carrying handheld candles;
- (4) Portions of the International Wildland Urban Interface Code, published by the International Code Council Inc., as set forth in RCW 19.27.560;
- (5) Except as provided in *RCW 19.27.170, the Uniform Plumbing Code and Uniform Plumbing Code Standards, published by the International Association of Plumbing and Mechanical Officials: PROVIDED, That any provisions of such code affecting sewers or fuel gas piping are not adopted;
- (6) The rules adopted by the council establishing standards for making buildings and facilities accessible to and usable by individuals with disabilities or elderly persons as provided in RCW 70.92.100 through 70.92.160; and
- (7) The state's climate zones for building purposes are designated in RCW 19.27A.020(3) and may not be changed through the adoption of a model code or rule.

In case of conflict among the codes enumerated in subsections (1), (2), (3), (4), and (5) of this section, the first named code shall govern over those following.

The codes enumerated in this section shall be adopted by the council as provided in RCW 19.27.074. The council shall solicit input from first responders to ensure that firefighter safety issues are addressed during the code adoption process.

The council may issue opinions relating to the codes at the request of a local official charged with the duty to enforce the enumerated codes.

[2018 c 189 § 1; 2015 c 11 § 2; 2003 c 291 § 2; 1995 c 343 § 1. Prior: 1989 c 348 § 9; 1989 c 266 § 1; 1985 c 360 § 5.]

NOTES:

*Reviser's note: RCW 19.27.170 was repealed by 2019 c 286 § 9.

Finding—Intent—2015 c 11: "The legislature finds that the state building code council adopted by rule changes to the climate zones used in the building codes due to modifications in the 2012 international energy conservation code (IECC). The legislature intends to update the statutes to be more reflective of the national standards." [2015 c 11 § 1.]

Intent—Finding—2003 c 291: "(1) The intent of the adoption of the International Building Code by the legislature is to remain consistent with state laws regulating construction, including electrical, plumbing, and energy codes established in chapters 19.27, 19.27A, and 19.28 RCW. The International Building Code references the International Residential Code for provisions related to the construction of single and multiple-family dwellings. No portion of the International Residential Code shall

supersede or take precedent over provisions in chapter **19.28** RCW, regulating the electrical code; nor provisions in RCW **19.27.031**(4), regulating the plumbing code; nor provisions in chapter **19.27A** RCW, regulating the energy code.

(2) It is in the state's interest and consistent with the state building code act to have in effect provisions regulating the construction of single and multiple-family residences. It is the legislative intent that the state building code council adopt the International Residential Code through rule making granted in RCW **19.27.074**, consistent with state law regulating construction for electrical, plumbing, and energy codes, and other state and federal laws regulating single and multiple-family construction.

(3) In accordance with RCW **19.27.020**, the state building code council shall promote fire and life safety in buildings consistent with accepted standards. In adopting the codes for the state of Washington, the state building code council shall consider provisions related to firefighter safety published by nationally recognized organizations. The state building code council shall review all nationally recognized codes as set forth in RCW **19.27.074**.

(4) The legislature finds that building codes are an integral component of affordable housing. In accordance with this finding, the state building code council shall consider and review building code provisions related to improving affordable housing." [**2003 c 291 § 1.**]

Severability—1989 c 348: See note following RCW **90.54.020**.

Rights not impaired—1989 c 348: See RCW **90.54.920**.

14.04.010 - State Building Codes adopted.

- (a) 2015 International Building Code (IBC) in accordance with WAC Chapter 51-50, including Sections 101 through 107 and Section 110, and other International Building Code requirements for barrier-free access, including ICC A117.1-2009 and Appendix E (Supplementary Accessibility Requirements). Appendix Chapters C, and H; excluding section H106, published by the International Code Council, and Excluding Appendix Chapters A, B, D, F, G, I, J, K, L, and M, and; adopting the Washington State Building Code WAC 51-50, and the 2015 International Existing Building Code (IEBC) in accordance with WAC 51-50.
- (b) 2015 International Residential Code for One- and Two-Family Dwellings (IRC) in accordance with WAC Chapter 51-51, excluding Chapter 11 and chapters 25 through 43. The energy code is regulated by WAC 51-11R, plumbing code regulated by WAC Chapter 51-56. Including Appendix F (Radon Control), G (Swimming pools, spas and hot tubs, Appendix R (Dwelling Unit Fire Sprinkler Systems) as published by the International Code Council, Excluding Part IV Energy, Part VII Plumbing, Part VIII Electrical and Appendix Chapters A, B, C, D, E, F, H, I, J, K, L, M, N, O, P, Q, and S and; adopting the Washington State Building Code WAC 51-51.
- (c) 2015 International Fire Code, published by the International Code Council, excluding Appendices A, B, D, J, and K and adopting Appendices C, E, F, G, H, and I and adopting the Washington State Building Code WAC 51-54.
- (d) 2015 International Mechanical Code, published by the International Code Council and adopting the 2015 International Fuel Gas Code, the 2012 Edition of the National Fuel Gas Code (NFPA 54) and the 2014 Edition of the Liquefied Petroleum Gas Code (NFPA 58) and adopting the Washington State Building Code WAC 51-52.
- (e) 2015 Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials (IAPMO), including Appendices A, B, and I excluding Section 102.3 (Board of Appeals) and Chapters 12 and 15. Provided further, that those requirements of the Uniform Plumbing Code relating to venting and combustion air of fuel fired appliances as found in Chapter 5 and those portions of the code addressing building sewers are not adopted, and adopting the Washington State Building Code WAC 51-56.
- (f) Uniform Code for the Abatement of Dangerous Buildings, 1997 Edition, published by the International Conference of Building Officials.
- (g) The 2015 Edition of the International Energy Conservation Code as amended in WAC 51-11R (Residential) and 51-11C (Commercial).

(Ord. No. 50-16, Att. A, 8-9-2016)

Chapter 14.16 - FIRE CODE

14.16.005 - General.

The International Fire Code is amended. The amended sections shall supersede that section or table as numbered in the Fire Code of Mason County.

(Ord. 59-04 (part), 2004).

14.16.020 - IFC Section 108, Board of appeals.

Appeals of orders, decisions or determinations made by the building official/fire marshal shall be as set forth in the Mason County Code, Title 15 Mason County Development Code, Section 15.11.010 Appeals of Administrative Interpretations and Decisions.

(Ord. 59-04 (part), 2004).

14.16.025 - IFC Section 109.3, Violation—Penalties.

Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provision of this code, shall be subject to enforcement as prescribed for in Title 15, Mason County Code.

(Ord. 59-04 (part), 2004).

14.16.028 - IFC Section 111.4, Failure to comply.

Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to enforcement as prescribed for in Title 15, Mason County Code.

(Ord. 59-04 (part), 2004).

Chapter 14.18 - INTERIM FIRE FLOW STANDARDS FOR GROUP A WATER SYSTEMS

14.18.010 - Applicability.

These interim standards shall be applied to all new or expanding Group A community water systems (as defined in WAC 246-290) only and will apply until final standards are adopted as part of a coordinated water system plan for Mason County.

(Ord. 46-07, Attach. A (part), 2007).

14.18.020 - Definitions.

For the purposes of this chapter:

"Existing residential development" means and includes property that is currently developed, supplied by a water system and a service area has been delineated to accommodate the maximum number of lots/residences to be served by the system design.

"Expansion" means additions, extensions, changes or alterations to an existing source, transmission, storage or distribution facilities that will allow the system to increase in size its existing service area and/or number of approved service connections.

Exceptions:

- (1) A system that connects new approved individual retail or direct service connections onto an existing distribution system within an existing service area; or
- (2) A distribution system extension in an existing service area identified in a current and approved water system plan or project report.

"Group A water systems" means a public water system providing service such that it meets the definition of a public water system provided in the 1996 amendments to the Federal Safe Drinking Water Act (Public Law 104-182, Section 101, subsection b).

Group A water systems are further defined as:

"Community water system" means any Group A water system providing service to fifteen or more service connections used by year-round residents for one hundred eighty or more days within a calendar year, regardless of the number of people, or regularly serving at least twenty-five year-round (i.e., more than one hundred eighty days per year) residents.

(Examples of a community water system might include a municipality, subdivision, mobile home park, apartment complex, college with dormitories, nursing home, or prison.)

"Nested storage" means one component of storage is contained within the component of another.

"New residential development" means and includes improvements to vacant land, such as all activities associated with the subdivision of property (including short- and large-lot subdivisions), construction of new residential dwelling units (single-family or multifamily), mobile/manufactured home park or similar residential uses.

"Standby storage" means the volume of stored water available for use during a loss of source capacity, power, or similar short-term emergency.

The standby storage component or the fire suppression storage component, whichever volume is smaller, can be excluded from a water system's total storage requirement providing that such practice is not prohibited by:

- (1) A locally developed and adopted coordinated water system plan;

- (2) Local ordinance; or
- (3) The local fire protection authority or county fire marshal (See WAC 246-290-235(4)).

"Service area boundary." A service area boundary of a public water system holds within it (1) its existing service area (RCW 70.116.030 (6) and WAC 246-293-110 (11)) and (2) its future service area (WAC 246-293-110 (12)). Generally, a public water system's service area encompasses those areas that are currently being provided service, as well as those areas where the public water system is planning on providing service in the future.

Purpose. Delineation of service areas helps to prevent overlapping or redundant services, which can be costly to the utility and its customers. Clear identification of areas of responsibilities allows for consistent and logical planning. The assumption is made that a utility has the ability to provide service in a timely and reasonable manner within its service area boundaries and is provided the right of first refusal. Service area boundaries are delineated during the development or revision of an ACWSP. Service areas that are larger than the system's existing service area allow for future system expansion.

(Ord. 46-07, Attach. A (part), 2007).

14.18.030 - New residential development.

- (a) **New Residential Development Without Alternative Measures to Reduce Flow Requirements.** New residential developments with their own sources of public water supply shall have a minimum of one hundred twenty thousand gallons of water storage dedicated for fire suppression available at all times. This volume of storage shall be in addition to any volumes required by DOH for approval of a public water system. This standard comes from the International Fire Code (IFC) requirement of one thousand gallons per minute flow for one hundred twenty minutes.
- (b) **New Residential Development with Alternative Measures to Reduce Flow Requirements.** Reductions in fire suppression storage or fire flow requirements may be allowed if the development has instituted certain measures that make it possible for reduced demands for fire suppression purposes. Such measures as density of development, types of construction, increased building setbacks could allow for reductions in the fire storage or needed fire flows. The Mason County fire marshal shall review any proposals for reductions in fire suppression capacity on a case-by-case basis prior to an approval for fire storage or flow reductions.
- (c) **Fire Hydrant Spacing Requirements.** The hydrant spacing for all residential developments shall be in accordance with the IFC requirement of one hydrant for every five hundred feet, or less.
- (d) **Minimum Distribution System Pressures During Active Fire Suppression Activities.** The State Department of Health requires that a minimum pressure of twenty PSI shall be maintained throughout the water distribution system under the hydraulic condition of concurrent maximum day flow plus fire flow. This minimum pressure shall apply at the point where the designed

volume of equalizing storage and fire suppression storage has been depleted. See Chapter 246-290-230(6) WAC - Distribution Systems for this requirement (in the state drinking water system rules).

- (e) **Transmission Lines.** Transmission lines shall meet the current minimum pressure requirements of WAC 246-290.
- (f) **Minimum Pipe Size.** The IFC requires a minimum eight-inch diameter pipe for nonlooped lines, and six-inch diameter pipes for looped lines, for new or replacement distribution mains.
- (g) **New Residential Development with Variances for Residential In-House Fire Sprinkler Systems.** Developments with ordinances, by-laws, or other governing controls requiring all residences to be constructed with internal fire sprinkler systems may have their fire suppression storage reduced to a minimum of sixty thousand gallons, in accordance with allowance proved by the IFC. Additional reductions are allowed for "FIREWISE" designs and/or use of alternate fire resistant construction materials. Conservation of water may also provide for additional reductions for fire suppression storage or the fire flow requirements. The Mason County fire marshal should be contacted on a case-by-case basis to see what levels of reduced fire storage may be associated with such elements as availability of emergency water sources, alternate emergency egress capacity, combustible materials management, and use of alternate construction materials.

(Ord. 46-07, Attach. A (part), 2007).

14.18.040 - Existing residential development.

The requirements of the IFC, as given above, also apply to facility improvements or upgrades to Group A community water systems within existing residential developments, except as follows:

- (1) System distribution main expansions or replacements shall be designed to meet the current minimum standards as outlined in WAC 246-290.
- (2) Fire suppression storage shall be based on a minimum of five hundred gallons per minute (gpm) flow for thirty minutes duration, which equates to fifteen thousand gallons for fire protection, and is also consistent with stipulations in the State Water System Coordination Act. The minimum dedicated fire suppression storage volume at any time shall not be less than fifteen thousand gallons. This minimum would be in addition to other storage volumes required for public water systems under the state drinking water rules and design requirements.
- (3) If water is provided from other sources for fire control purposes, the gallon requirements for fire storage requirement may be reduced by twenty-five percent.
- (4) Draft fire hydrants may be permitted only with approval by the Mason County fire marshal.
- (5) An additional twenty-five percent reduction in fire suppression storage may be granted for use of "FIREWISE" design throughout the development, and/or if alternate fire-resistant

construction materials have been used for residential housing construction.

- (6) Nested storage may be allowed; however, the Mason County fire marshal shall review all proposals for nested storage to ensure that under no conditions shall the volume of fire storage be reduced below a minimum of fifteen thousand gallons per five hundred gpm for thirty minutes (unencumbered).
- (7) Expansion of an existing Group A community water system beyond the existing established service area shall be reviewed by the Mason County fire marshal and applicable area fire district to determine impacts and availability of water in the system to adequately serve additional connections.

(Ord. 46-07, Attach. A (part), 2007).

CHAPTER 5 FIRE SERVICE FEATURES

SECTION 507 FIRE PROTECTION WATER SUPPLIES

507.1 Required water supply.

An *approved* water supply capable of supplying the required fire flow for fire protection shall be provided to premises on which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the jurisdiction.

507.2 Type of water supply.

A water supply shall consist of reservoirs, pressure tanks, elevated tanks, water mains or other fixed systems capable of providing the required fire flow.

507.2.1 Private fire service mains.

Private fire service mains and appurtenances shall be installed in accordance with NFPA 24.

507.2.2 Water tanks.

Water tanks for private fire protection shall be installed in accordance with NFPA 22.

507.3 Fire flow.

Fire-flow requirements for buildings or portions of buildings and facilities shall be determined by an *approved* method.

Exceptions:

1. Fire flow is not required for structures under 500 square feet (46 m²) with a B, U or R-1 occupancy where structures are at least 30 feet (9144 mm) from any other structure and are used only for recreation.
2. In rural and suburban areas in which adequate and reliable water supply systems do not exist, the *fire code official* is authorized to utilize NFPA 1142 or the *International Wildland-Urban Interface Code*.

507.4 Water supply test.

The *fire code official* shall be notified prior to the water supply test. Water supply tests shall be witnessed by the *fire code official* or *approved* documentation of the test shall be provided to the *fire code official* prior to final approval of the water supply system.

507.5 Fire hydrant systems.

Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6.

507.5.1 Where required.

Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122 m) from a hydrant on a fire apparatus access road, as measured by an *approved* route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the *fire code official*.

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet (183 m).
2. For buildings equipped throughout with an *approved automatic sprinkler system* installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 600 feet (183 m).

507.5.1.1 Hydrant for standpipe systems.

Buildings equipped with a standpipe system installed in accordance with Section 905 shall have a fire hydrant within 100 feet (30 480 mm) of the fire department connections.

Exception: The distance shall be permitted to exceed 100 feet (30 480 mm) where *approved* by the *fire code official*.

507.5.2 Inspection, testing and maintenance.

Fire hydrant systems shall be subject to periodic tests as required by the *fire code official*. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective. Additions, repairs, alterations and servicing shall comply with *approved* standards. Records of tests and required maintenance shall be maintained.

507.5.3 Private fire service mains and water tanks.

Private fire service mains and water tanks shall be periodically inspected, tested and maintained in accordance with NFPA 25 at the following intervals:

1. Private fire hydrants of all types: Inspection annually and after each operation; flow test and maintenance annually.
2. Fire service main piping: Inspection of exposed, annually; flow test every 5 years.
3. Fire service main piping strainers: Inspection and maintenance after each use.

Records of inspections, testing and maintenance shall be maintained.

507.5.4 Obstruction.

Unobstructed access to fire hydrants shall be maintained at all times. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants.

507.5.5 Clear space around hydrants.

A 3-foot (914 mm) clear space shall be maintained around the circumference of fire hydrants, except as otherwise required or *approved*.

507.5.6 Physical protection.

Where fire hydrants are subject to impact by a motor vehicle, guard posts or other *approved* means shall comply with Section 312.

D.5.1.8 Marking on private hydrants within private enclosures is to be done at the owner's discretion.

D.5.1.9 When private hydrants are located on public streets, they should be painted red, or another color that distinguishes them from public hydrants.

D.5.2 Permanently Inoperative Hydrants. Fire hydrants that are permanently inoperative or unusable should be removed.

D.5.3 Temporarily Inoperative Hydrants. Fire hydrants that are temporarily inoperative or unusable should be wrapped or otherwise provided with temporary indication of their condition.

D.5.4 Flush Hydrants. Location markers for flush hydrants should carry the same background color as stated above for class indication, with such other data stenciled thereon as deemed necessary.

D.5.5 Private Hydrants.

D.5.5.1 Marking on private hydrants within private enclosures is to be at the owner's discretion.

D.5.5.2 When private hydrants are located on public streets, they should be painted red or another color to distinguish them from public hydrants.

Annex E Informational References

E.1 Referenced Publications. The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

E.1.1 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 20, *Standard for the Installation of Stationary Pumps for Fire Protection*, 2016 edition.

NFPA 22, *Standard for Water Tanks for Private Fire Protection*, 2013 edition.

NFPA 70®, *National Electrical Code®*, 2014 edition.

NFPA 72®, *National Fire Alarm and Signaling Code*, 2016 edition.

NFPA 291, *Recommended Practice for Fire Flow Testing and Marking of Hydrants*, 2016 edition.

NFPA 780, *Standard for the Installation of Lightning Protection Systems*, 2014 edition.

NFPA 1962, *Standard for the Care, Use, Inspection, Service Testing, and Replacement of Fire Hose, Couplings, Nozzels, and Fire Hose Appliances*, 2013 edition.

E.1.2 Other Publications.

E.1.2.1 ACPA Publications. American Concrete Pipe Association, 1303 West Walnut Hill Lane, Suite 305, Irving, TX 75038-3008.

Concrete Pipe Handbook.

E.1.2.2 ASME Publications. American Society of Mechanical Engineers, Two Park Avenue, New York, NY 10016-5990.

ASME B16.1, *Cast Iron Pipe Flanges and Flanged Fittings*, 1989.

E.1.2.3 ASTM Publications. ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959.

ASTM A126, *Standard Specification for Gray Iron Castings for Valves, Flanges and Pipe Fittings*, 1993.

ASTM A197, *Standard Specification for Cupola Malleable Iron*, 1987.

ASTM A307, *Standard Specification for Carbon Steel Bolts and Studs*, 1994.

IEEE/ASTM-SI-10, *Standard for Use of the International System of Units (SI): The Modern Metric System*, 1997.

E.1.2.4 AWWA Publications. American Water Works Association, 6666 West Quincy Avenue, Denver, CO 80235.

AWWA C104, *Cement Mortar Lining for Ductile Iron Pipe and Fittings for Water*, 2008.

AWWA C105, *Polyethylene Encasement for Ductile Iron Pipe Systems*, 2005.

AWWA C111, *Rubber-Gasket Joints for Ductile Iron Pressure Pipe and Fittings*, 2000.

AWWA C115, *Flanged Ductile Iron Pipe with Ductile Iron or Gray Iron Threaded Flanges*, 2005.

AWWA C150, *Thickness Design of Ductile Iron Pipe*, 2008.

AWWA C205, *Cement-Mortar Protective Lining and Coating for Steel Water Pipe 4 in. and Larger — Shop Applied*, 2007.

AWWA C206, *Field Welding of Steel Water Pipe*, 2003.

AWWA C606, *Grooved and Shouldered Joints*, 1997.

AWWA C900, *Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. Through 12 in., for Water Distribution*, 2007.

AWWA C905, *AWWA Standard for Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings 14 in. Through 48 in. (350 mm Through 1,200 mm)*, 2010.

AWWA C906, *Standard for Polyethylene (PE) Pressure Pipe and Fittings, 4 in. (100 mm) Through 63 in. (1,600 mm), for Water Distribution and Transmission*, 2007.

AWWA M9, *Concrete Pressure Pipe*, 2008.

AWWA M11, *A Guide for Steel Pipe Design and Installation*, 4th edition, 2004.

AWWA M14, *Recommended Practice for Backflow Prevention and Cross Connection Control*, 2004.

AWWA M41, *Ductile Iron Pipe and Fittings*, 2003.

E.1.2.5 EBAA Iron Publications. EBAA Iron, Inc., P.O. Box 857, Eastland, TX 76448.

Thrust Restraint Design Equations and Tables for Ductile Iron and PVC Pipe.

E.2 Informational References. The following documents or portions thereof are listed here as informational resources only. They are not a part of the requirements of this document.

AWWA M17, *Installation, Field Testing and Maintenance of Fire Hydrants*, 1989.

E.3 References for Extracts in Informational Sections. (Reserved)

Lake Limerick Water Systems

BUDGET TO ACTUAL

Month Ended Jan 31, 2021

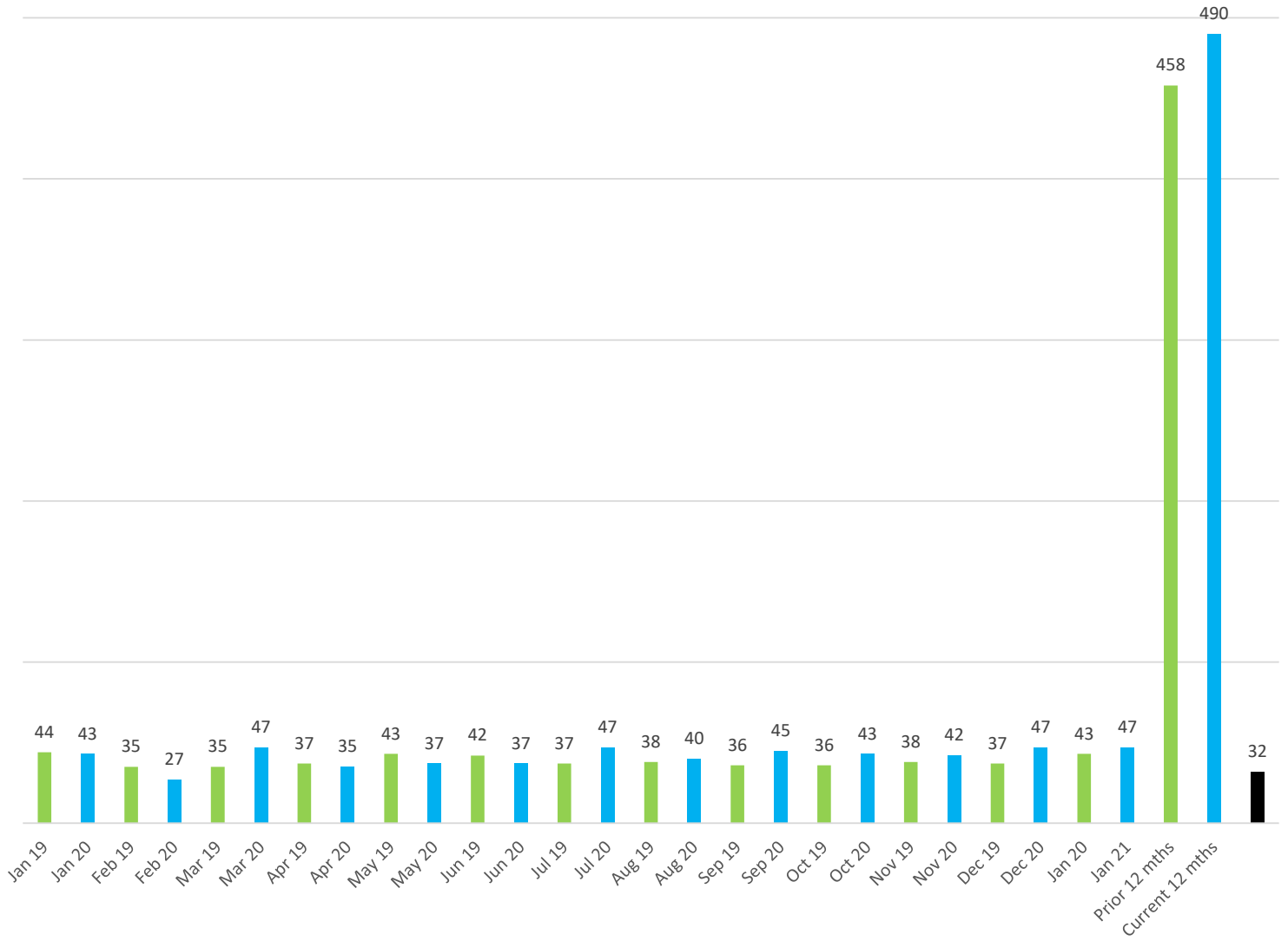
Variance	Month Budget	Month Actual		Year to Date Actual	Year to Date Budget	Variance	2021 Budget	% of Budget
			Revenue					
(6,111)	40,785	34,674	Gross Revenue Water	140,862	145,840	(4,978)	447,600	33.3%
1,500.00	0.00	1,500.00	Meter Insatallation	1,500.00	0.00	1,500.00	0.00	31.5%
(3)	10,875	10,872	Reserves	43,480	43,500	(20)	130,500	33.3%
(4,614)	51,660	47,046	Total Revenue	185,842	189,340	(3,498)	578,100	32.2%
			Operating Expenses					
0.10	670.00	670.10	Fuel/Gas Expense	2,868.13	3,000.00	(131.87)	7,500.00	38.2%
(330.00)	330.00	0.00	Auto Repair & Maintenance	0.00	1,320.00	(1,320.00)	4,000.00	0.0%
47	70	117	Bank Service Charges_	320	290	30	900	35.6%
(331)	410	79	Computer and Internet Expenses	600	1,640	(1,041)	5,000	12.0%
468	80	548	Dues & Subscriptions	1,985	320	1,665	1,000	198.5%
(76)	160	84	401k	337	640	(303)	2,000	16.8%
0	0	0	New Hire Expense	0	0	0	800	
0	0	0	Education & Training	312	1,000	(688)	3,000	10.4%
1,247	13,100	14,347	Salaries & Wages	49,347	52,200	(2,853)	157,000	31.4%
107	1,310	1,417	Payroll Expenses	4,620	5,220	(600)	15,700	29.4%
(217)	220	3	Payroll Tax Expense	10	880	(870)	2,650	0.4%
(1,000)	1,000	-	Tree Felling / Trimming	-	4,000	(4,000)	12,000	0.0%
(110)	110	-	Employee Expense other	-	440	(440)	1,400	0.0%
(1,250)	1,250	-	Legal Expenses	-	5,000	(5,000)	15,000	0.0%
93	-	93	Legal Fees	2,418	-	2,418	-	
(1,160)	1,160	-	Equipment Rental	-	4,640	(4,640)	14,000	0.0%
(1,205)	1,810	605	General Liability Expense	4,690	6,620	(1,930)	21,100	22.2%
(581)	1,160	579	Health Insurance	2,316	4,640	(2,324)	14,000	16.5%
58	-	58	Interest Expense	1,417	1,400	17	1,400	101.2%
1,272	250	1,522	License & Permits	1,641	1,000	641	3,000	54.7%
(20)	20	-	Meals and Entertainment	-	80	(80)	300	0.0%
20	520	540	Merchant Account Charges	2,252	1,900	352	5,800	38.8%
(5)	5	-	NSF Check Fees Returned Items	-	20	(20)	100	0.0%
4	40	44	Office Supplies	496	160	336	500	99.3%
(4)	60	56	Office Expense	342	220	122	700	48.9%
-	-	-	Postage and Delivery	2,019	1,100	919	5,500	36.7%
(1,198)	2,500	1,302	Professional Fees	71,280	10,000	61,280	30,000	237.6%
(2,664)	2,800	136	Repairs and Maintenance	2,604	11,200	(8,596)	33,700	7.7%
(118)	220	102	Small Tools and Equipment	1,108	880	228	2,650	41.8%
(749)	770	21	Supplies_	2,228	3,080	(852)	9,300	24.0%
(256)	2,000	1,744	Taxes - Public Utility	7,362	7,170	192	22,000	33.5%
182	210	392	Telephone Expense	1,054	820	234	2,500	42.2%
(250)	250	-	Travel Expense	-	1,000	(1,000)	3,000	0.0%
(65)	80	15	Uniforms	548	320	228	1,000	54.8%
(740)	2,550	1,810	Utilities v	7,250	9,360	(2,110)	27,000	26.9%
(284)	330	46	Water Testing	253	1,320	(1,067)	4,000	6.3%
(9,115)	35,445	26,330	Total Operating Expenses	171,677	142,880	28,797	429,500	40.0%
4,501	16,215	20,716	Operating Income (Loss)	14,164	46,460	(32,296)	148,600	9.5%
			Other Income					
713	-	713	Interest Income_	2,846	-	2,846	-	
713	-	713	Total Other Income	2,846	-	2,846	-	
5,214	16,215	21,429	Net Income (Loss)	17,010	46,460	(29,450)	148,600	11.5%
		<u>(10,872)</u>	<i>Main Line and Well Capacity Reserves</i>	<u>(43,480)</u>	<u>(43,500)</u>		<u>(130,500)</u>	
		10,557		(26,470)	2,960		18,100	
			<i>Well #6 Loan Repayment</i>	<u>(18,123)</u>	<u>(18,100)</u>		<u>(18,100)</u>	
				<u>(44,593)</u>	<u>(15,140)</u>		<u>-</u>	

EDWARD JONES INVESTMENTS

31-Jan-21

<u>Acct No.</u>	<u>Type</u>	<u>Value</u>	<u>Purchase date</u>		<u>Rate</u>	<u>Maturity Date</u>	<u>Maturity Value</u>	<u>Interest at Maturity</u>	<u>FDIC Insured</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>
WATER															
841-11177-1-9	Cert of Deposit	\$ 40,407.56	10/22/2020	Wells Fargo Bank	2.25%	3/29/2021	\$ 40,408	\$ 393.56	Yes	\$ 40,408					
	Cert of Deposit	\$ 50,000.00	10/29/2020	Bank of China Ny	0.10%	4/29/2021	\$ 50,000	\$ 24.93	Yes		\$ 50,000				
	Cert of Deposit	\$ 20,273.11	10/23/2020	Wells Fargo Bank	2.45%	5/3/2021	\$ 20,273	\$ 261.27	Yes			\$ 20,273			
	Cert of Deposit	\$ 54,501.38	10/21/2020	Sallie Mae Bk Salt Lake City	3.00%	8/16/2021	\$ 54,501	\$ 1,339.39	Yes						\$ 54,501
	Cert of Deposit	\$ 89,005.63	11/17/2020	State Bank of India	0.01%	4/5/2021	\$ 89,006	\$ 3.39	Yes						
	Cert of Deposit	\$ 30,074.59	12/28/2020	Bank of China Ny	0.03%	5/21/2021	\$ 30,075	\$ 3.56	Yes			\$ 30,075			
	Money Market	\$ 151,471.37		Edward Jones	0.01%				Yes						
		<u>\$ 435,733.64</u>													
WATER															
841-20044-1-1	Cert of Deposit	\$ 25,252.30	11/17/2020	State Bank of India	1.05%	3/30/2021	\$ 25,252	\$ 96.62	Yes	\$ 25,252					
	Cert of Deposit	\$ 37,893.39	10/22/2020	Morgan Stanley BK NA Salt	2.50%	6/7/2021	\$ 37,893	\$ 591.76	Yes				\$ 37,893		
	Cert of Deposit	\$ 27,492.86	12/28/2020	CIT Bank Pasadena CA	1.90%	8/23/2021	\$ 27,493	\$ 340.61	Yes						\$ 27,493
	Cert of Deposit	\$ 51,462.84	1/25/2021	Bmw Bk NA Salt Lake	3.00%	8/17/2021	\$ 51,463	\$ 862.88	Yes						\$ 51,463
	Cert of Deposit	\$ 25,279.13	1/28/2021	Truist Bank Charlotte NC	1.15%	4/20/2021	\$ 25,279	\$ 65.31	Yes		\$ 25,279				
	Cash	\$ 82,617.50			0.01%				Yes						
		<u>\$ 249,998.02</u>								<u>\$ 65,660</u>	<u>\$ 75,279</u>	<u>\$ 50,348</u>	<u>\$ 37,893</u>		<u>\$ 133,457</u>

Water Cash Collected \$ '000s



CASH ACCOUNTS

January 2021

Location	Type	Name	Balance	Operating	Savings	Reserve
<u>WATER</u>						
Heritage	Checking-8937	Water Operating	\$ 25,270.36	\$ 25,270.36		
	Money Market-8953	Water Mainline	\$ 114,394.06			\$ 114,394.06
	Money Market-8945	Well #6 Reserves	\$ 75,190.83			\$ 75,190.83
OCCU	Checking-0216S50	Water Committee	\$ 116,556.70	\$ 116,556.70		
	Savings-0216S7	Water Committee	\$ 102,273.99		\$ 102,273.99	
Edward Jones #11177	various length investme	LLWS Mainline Reserve	\$ 435,733.64			\$ 435,733.64
Edward Jones #20044	various length investme	LLWS Capacity Reserve	\$ 249,988.02			\$ 249,988.02
Total Water			\$ 1,119,407.60	\$ 141,827.06	\$ 102,273.99	\$ 875,306.55

Jan-21

WATER TRANSFERS

DATE	AMOUNT	H2O	HOA	WHAT FOR				
1/31/2021	\$ 14,346.57	\$ (14,346.57)	\$ 14,346.57	LABOR FOR 2020 RHONDA, DOUG, MICHAEL				
1/31/2021	\$ 1,420.49	\$ (1,420.49)	\$ 1,420.49	PAYROLL LIABILITIES, SS MEDICARE				
1/31/2021	\$ 84.24	\$ (84.24)	\$ 84.24	RHONDA 401 K				
1/31/2021	\$ 579.06	\$ (579.06)	\$ 579.06	HEALTH INSURANCE FOR DOUG				
1/31/2021	\$ 6,795.00	\$ (6,795.00)	\$ -	MLRR				
1/31/2021	\$ 4,077.00	\$ (4,077.00)	\$ -	WCR #6				
1/31/2021	\$ 1,743.74	\$ (1,743.74)	\$ 1,743.74	WATER UTILITY TAX DOR				
1/31/2021	\$ 1,152.86	\$ (1,152.86)	\$ 1,152.86	UTILITIES, NATURAL GAS, FUEL, POSTAGE, TELEPHONE, IT				
		\$ (30,198.96)	\$ 19,326.96					

7:42 AM
02/10/21
Accrual Basis

Lake Limerick
Profit & Loss
January 2021

	<u>Jan 21</u>
Ordinary Income/Expense	
Expense	
60201 · Fuel/Gas Expense	670.10
62600 · Employee Expense	
62601 · 401(k)	84.24
Total 62600 · Employee Expense	<u>84.24</u>
63300 · Insurance Expense	
63320 · Health Insurance	579.06
Total 63300 · Insurance Expense	<u>579.06</u>
63600 · Labor	14,346.57
64901 · Office Expense	56.34
66000 · Payroll Expenses	1,417.45
66100 · Payroll Tax Expense	3.04
68100 · Telecommunication Expense	133.87
68600 · Utilities	292.55
Total Expense	<u>17,583.22</u>
Net Ordinary Income	<u>-17,583.22</u>
Net Income	<u><u>-17,583.22</u></u>

RUN DATE: 2/10/21
RUN TIME: 07:06

LAKE LIMERICK WATER SYSTEM
BILLING SUMMARY 2/1/2021-2/10/2021

GRAND TOTAL - ALL ACCOUNTS

	ACTIVE	FINAL	INACTIVE	WRITEOFF	TOTAL
2/10/21 COUNT	1452	0	2	0	1454
BAL FORWARD 2/1/21	19244.34	0.00	16.00	0.00	19260.34
WATER USE	34673.75	0.00	0.00	0.00	34673.75
WCR	4077.00	0.00	0.00	0.00	4077.00
MISC CHARGES	1500.00	0.00	0.00	0.00	1500.00
MLRR	6795.00	0.00	0.00	0.00	6795.00
PAYMENTS	-9861.50	0.00	0.00	0.00	-9861.50
ADJUSTMENTS	2.50	0.00	0.00	0.00	2.50
	=====	=====	=====	=====	=====
ENDING BAL 2/10/21	56431.09	0.00	16.00	0.00	56447.09

USAGE GRAND TOTALS:

WATER USE	3431240	0	0	0	3431240
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<<< END OF BILLING SUMMARY 2/1/2021-2/10/2021 RUN 2/10/21 >>>



Lake Limerick Water

Manager's Report January 2021







February 13th, 2021

Lake Limerick Water System: Water Committee Meeting regarding January 2021.

The general condition of the water system is currently good, with reliable water availability to the customers. We continue also have an ongoing leak on Dartmore which can be repaired after either the rain stops for several days or the flow increases.

SCADA is regularly monitored and operated everyday.

Well Conditions:

-  **Well #1** is operating "normally".
-  **Well #2** is still in stand-by and is considered a Seasonal use per Water Rights.
-  **Wells #3A/3B** are operating "normally".
-  **Well #4** is operating "normally".
-  **Well #5** is operating "normally".
-  **Well #6** is regularly inop and an electrician is scheduled

Water Usage:

5,063,500 gallons were pumped.
4,121,783 gallons were metered/accounted for.
499,412 gallons net loss
9.9% Loss

Customer Concerns:

LLWS had 15 regular locates.

Water Sampling:

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

Other items:

Part of this month's water loss is due to an ongoing mainline leak on Dartmore, Clonakilty, and Road of Tralee. Both Dartmoore and Road of Tralee leaks are best described as a "seepage" and is not a flowing leak. The Clonakilty leak is a small flow in the ditch.

On Tuesday Mike and I will be testing the Clonakilty leak to ensure that it is a leak and not caused by surface water runoff. I'm 90% sure that it is a distribution leak.

RH2 Engineering is currently working on water models and we are supplying needed information. They are scheduled to having civil engineering staff on site in the next 7 – 10 days and the electrical engineering staff onsite in about two weeks.

The office renovation is waiting on approval. This being said is being question as to whether or not there is now time to do it this year.

Well #6 is having significant electrical/ I&C issues. Ram Electric is scheduled to come out the 24th to go through all electrical components in the cabinet and to pumps. If this does not resolve the problem we will have the PLC/VFD specialists come to the site.

WATER CONSUMPTION REPORT - 2021

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												539,700
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												373,000
Total Volume Produced Well #3b	479,500												479,500
Total Volume Produced Well #4	1,438,600												1,438,600
Total Volume Produced Well #5	796,000												796,000
Total Volume Produced Well #6	1,436,700												1,436,700

1 B. Total Water Purchased	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
1. Total Water Produced All Sources:	5,063,500	0	0	0	0	0	0	0	0	0	0	0	5,063,500

TOTAL VOLUME CONSUMED

2 A. Water Volume Metered (Billed and Unbilled)	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
2 A. Water Volume Metered (Billed and Unbilled)	3,431,236												3,431,236
2 C. Estimated Authorized Uses (may be billed or Unbilled)													0
Utility Flushing and Tank Cleaning	2,000												2,000
Firefighting and Training													0
Storm or Sewer Cleaning / Street Sweep													0
Other:													0
Distribution storage - Allowed Well #6 OvF	1,130,852												1,130,852
2. Total Authorized Consumption	4,564,088	0	0	0	0	0	0	0	0	0	0	2,000	4,566,088

Total Volume DSL	499,412	0	0	0	0	0	0	0	0	0	0	0	-2,000	497,412
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Percent DSL	9.9%													
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Year to Date Total DSL:	9.8%	Compliance with leakage standard	10.6%
		Next years 3 year average based	11.9%

Water Rights Data	Right (acrf/yr)		Total	Acre-feet used	%Water right used	WR allocated (AFY)	WR allocated (%)	MIFR (Q) GPM
	AFY (Qa)	% of total						
5566-A (G2-08049) AHA-974 S05 Well #1	117	16.7%	539,700	1.7	1.4%	1.7	0.2%	100
5587-A AHA-978 S02 Well #2	166	23.7%	0	0.0	0.0%	6.9	1.0%	200
5888-A (G2-08834) AHA-976 S03 Well #3A	84	12.0%	373,000	1.1	1.4%	1.1	0.2%	100
APP G2-29483 AHA-975 S08 Well #3B	254	36.3%	479,500	1.5	0.6%		0.0%	210
7012-A (G2-09889) AHA-979 S04 Well #4	79	11.3%	1,438,600	4.4	5.6%	4.4	0.6%	100
G2-27215 AHA-977 S07 Well #5*	152	15.0%	796,000	2.4	1.6%		0.0%	190
G2-27443 S08 Well #6*	160	15.8%	1,436,700	4.4	2.8%		0.0%	200
Total AFY without supplements	700	130.8%	5,063,500	15.5	2.2%	14.1	2.0%	710
Total*	1,012							1100

700 afy
325851
gallons

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												1,934
Well #2	150												150
Well #3	2,696												2,696
Well #4	3,402												3,402
Well #5	3,179												3,179
Well #6	6,544												6,544
total:	17,905	0	0	0	0	0	0	0	0	0	0	0	17,905

Gallons Per 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	279												279
Well #2													AVG
Well #3	316												316
Well #4	423												423
Well #5	250												250
Well #6	220												220
total:	283												283

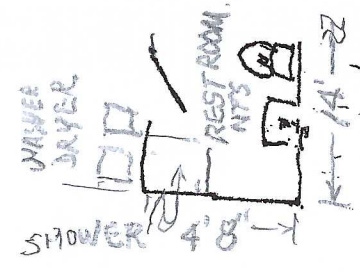
	Historical Data		
	Pumped	Sold	Loss
2010	69,790,309	66,840,300	4.2%
2011	60,958,882	56,483,665	7.3%
2012	57,963,886	54,775,298	5.5%
2013	58,859,553	54,275,297	4.5%
2014	62,649,611	60,973,226	2.7%
2015	66,109,416	61,749,171	6.6%
2016	66,784,811	62,157,037	6.9%
2017	64,963,044	62,010,322	4.5%
2018	67,149,235	64,162,480	4.4%
2019	79,119,500	61,189,708	22.7%
2020	71,162,988	65,090,958	8.5%
2021	5,063,500	4,566,088	9.8%
2022	5,063,500	4,566,088	9.8%
2023	5,063,500	4,566,088	9.8%
2024	5,063,500	4,566,088	9.8%
2025	5,063,500	4,566,088	9.8%

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

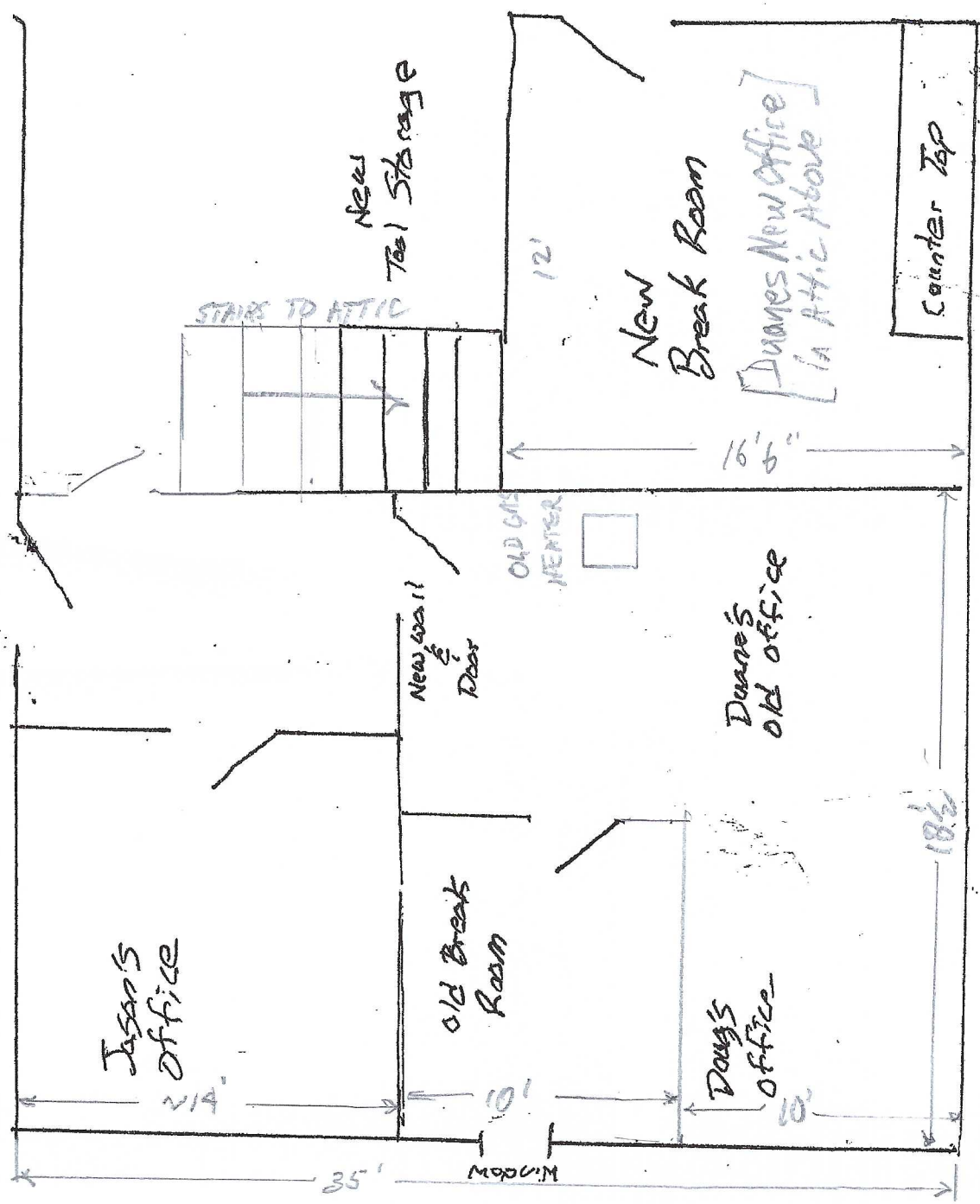
Distribution System Leakage Notes: 1. Current leaks Dartmoore 4" AC, Clonakilly, and Road of Tralee 2. (2019) 60 Erigal 4" AC. 3. (2019) Angus Ct 4" AC. 4. (2019) 2224 St. Andrews 4" AC. 5. (2020) 170 Sleaford 47" AC. 6. (2020) 370 Penzance 4" AC. 7. (2020) 2340 St. Andrews 4" AC. 8. (2020) 201 Balmoral 4" AC.

Shop Door

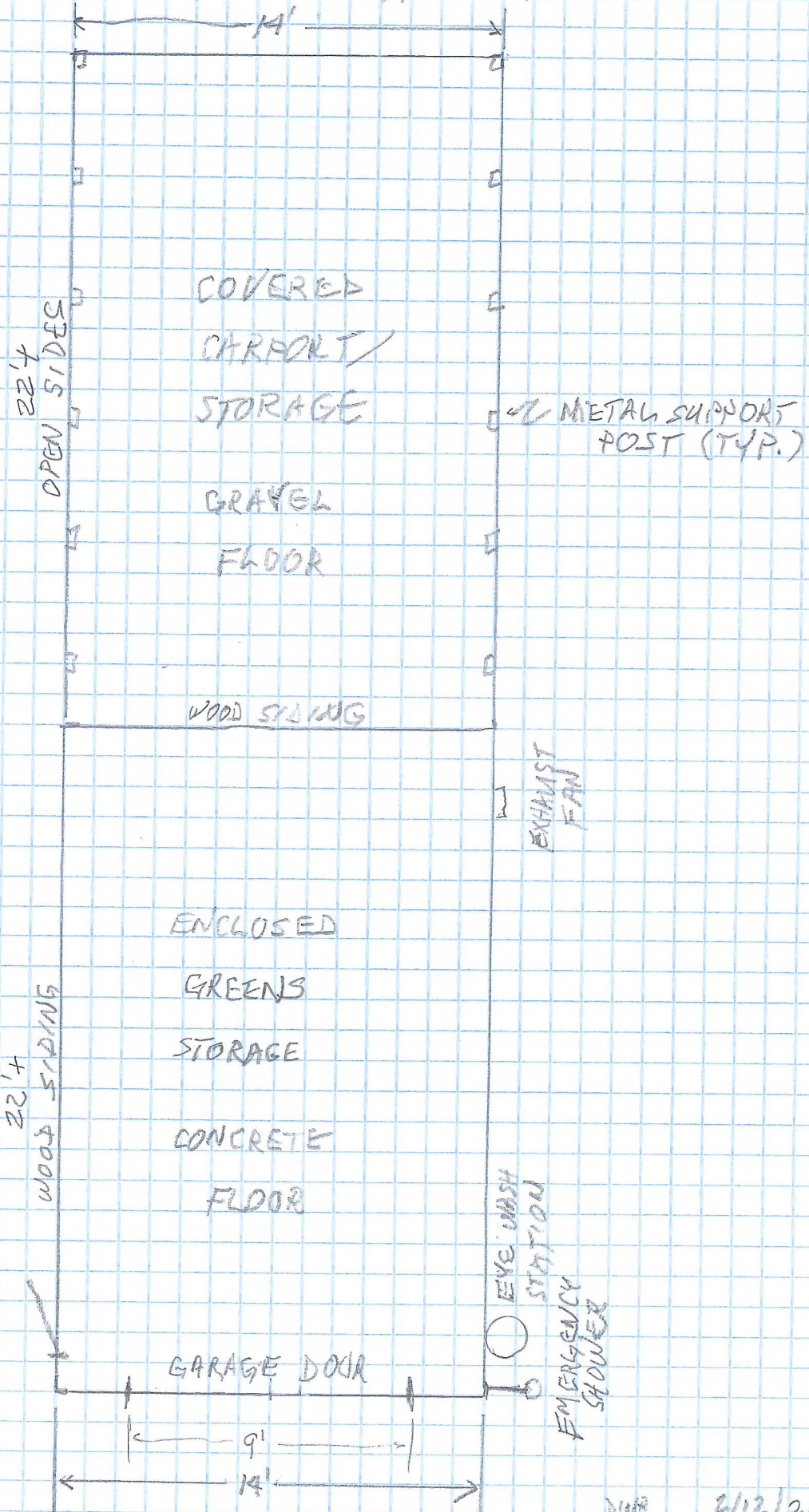
MAINTENANCE Shop



shop Door



GREENS STORAGE & WATER CARPORT



FW: Water issue - forgiveness request

To water@lakelimerick.com • Brandon Koch <brandonkochs@yahoo.com> • Esther Springer-Johannesen <estherspringer55@gmail.com> • Kelly Evans <klevans.llcc@gmail.com> • Pat Paradise <patparadise@comcast.net> • Phyl Antonsen <fearlessphyl@q.com>

Attached is a forgiveness request from Robin Jones. The attachment is a screen capture from UMS showing the recent history for the account.

Don

-----Original Message-----

From: rhonda@lakelimerick.com <rhonda@lakelimerick.com>
Sent: Monday, February 08, 2021 3:33 PM
To: 'Don Bird' <don.bird47@gmail.com>; 'Esther Springer-johannesen' <estherspringer55@gmail.com>
Cc: 'Robin Jones' <robinjns2@gmail.com>
Subject: RE: Water issue

-----Original Message-----

From: Robin Jones <robinjns2@gmail.com>
Sent: Monday, February 8, 2021 11:34 AM
To: rhonda@lakelimerick.com
Subject: Water issue

Hi Rhonda, This is to confirm that I did have a brand new water main put in to my residence by Bayshore Construction and the water issue has been fixed. I do request a waiver for my December bill. Thanks for all your help, I really appreciate it.
Robin Jones

Please consider this account a forgiveness in the amount of \$145.25 as you can see they have fixed their leak.

Thank You
Rhonda

-
- Jones forgiveness.PNG (89 KB)

Previous Responsibilities	NWS	LLWS	Current Responsibilities	NWS	LLWS
Responsible License	X		Responsible License		X
Meter Reads	X		Meter Reads		X
Daily Adjustents	X		Daily Adjustents		X
CCR	X		CCR		X
Monthly Reports	X		Monthly Reports		X
Water Sampling	X		Water Sampling		X
Repair and Maintenance	X		Repair and Maintenance		X
On-Call	X		On-Call		X
Back-up Oncall	X		Back-up Oncall	X	
Call Outs	X		Call Outs		X
WSP	X		WSP	X	
Point of Contact	X		Point of Contact		X
Cross Connection Plan Mgt	X		Cross Connection Plan Mgt		X
DOH Representaion	X		DOH Representaion		X