



L.A. Water Cooperative Annual Meeting

MARCH 22, 2023

Agenda

- ▶ **Welcome & Introduction**
- ▶ **Financial Report**
- ▶ **Open Board Positions (4)**
- ▶ **System Status**
- ▶ **Objectives for 2023 and Beyond**
- ▶ **Election Results**
- ▶ **Adjourn**

Board Organization

- ▶ Don Wicks President/Chairman
- ▶ Ted Leach Vice-President
- ▶ Linda Fountain Secretary
- ▶ Amber Morgan Treasurer
- ▶ Megan Corvus
- ▶ Lisa Dutz
- ▶ Tom Gunn
- ▶ David McAdams
- ▶ Joel Mulkey

Staff

- ▶ Laurie Lago General Manager
- ▶ Joan Gilman Administrative Assistant
- ▶ Jason Bayne Operations Manager/DRC
- ▶ OPEN POSITION Water Technician
- ▶ Garrett McCune Water Utility Worker

2022 Financial Overview

| | 2022 | 2021 |
|---|-------------|-------------|
| ▶ Revenue | \$1,068,815 | \$1,124,939 |
| ▶ Operating Expenses | \$ 860,514 | \$ 829,779 |
| ▶ Other Income (Interest, transfers, meter hook ups, PGE claim) | \$ 9,044 | \$ 42,087 |
| ▶ Net Income (loss) | \$ 217,314 | \$ 337,427 |

2021 & 2022 Income

| ▶ Income | 2022 | 2021 |
|--|-------------|-------------|
| ▶ Water Sales | \$1,041,561 | \$1,094,228 |
| ▶ Inactive Certificate Fee | \$ 22,800 | \$ 28,800 |
| ▶ Certificate Transfer Fee | \$ 5,850 | \$ 2,850 |
| ▶ Investment Income | \$ (1,096) | \$ 1,609 |
| ▶ Meter Hook-up Fee & Service Calls | \$ 3,100 | \$ 10,500 |
| ▶ Repairs Reimbursed | \$ 1,190 | \$ 26,243 |

2022 Expense

| ▶ Expenses | 2022 | 2021 |
|----------------------------|------------------|------------------|
| ▶ Cost of Water | \$ 196,703 | \$ 243,128 |
| ▶ Maintenance and Repair | \$ 64,049 | \$ 48,032 |
| ▶ Professional Fees | \$ 26,463 | \$ 28,416 |
| ▶ Insurance | \$ 25,477 | \$ 21,949 |
| ▶ Electricity | \$ 62,444 | \$ 64,982 |
| ▶ Vehicle Expense | \$ 18,526 | \$ 16,236 |
| ▶ Payroll & Related Exp. | \$ 315,997 | \$ 243,580 |
| ▶ Depreciation | \$ 117,780 | \$ 128,816 |
| ▶ Other | <u>\$ 33,075</u> | <u>\$ 34,640</u> |
| ▶ TOTAL Operating Expenses | \$ 860,514 | \$ 829,779 |

Balance Sheet Comparison

| | 2022 | 2021 |
|------------------------------|--------------|--------------|
| ▶ Current Assets | \$ 2,115,216 | \$ 1,885,892 |
| ▶ Fixed Assets | \$ 2,032,138 | \$ 2,078,832 |
| ▶ Total Liabilities | \$ 118,794 | \$ 159,741 |
| ▶ Members Equity | \$ 4,028,560 | \$ 3,804,983 |
| ▶ Total Liabilities & Equity | \$ 4,147,354 | \$ 3,964,724 |

Certificates 2022

| Certificates | Active | Inactive |
|---------------------|---------------|-----------------|
| 879 | 793 | 86 |

System Status

- Introduction
- System Overview
- Water Quality
- 2022 Accomplishments
- 2023 Plans



System Overview

- L. A. Water Co-op service area covers approximately 25 square miles of the Chehalem Valley in rural southwestern Washington County and northern Yamhill County.
- The service area ranges in elevation from 180 feet on the valley floor to 1,620 feet on Bald Peak.
- L. A. Water has 16 reservoirs, 15 pump stations and over 60 miles of rural pipeline.
- L. A. Water Co-op delivered 65,561,425 gallons of water to 793 member households in 2022.


Water Source

- L. A. Water Co-op purchases its water from the City of Hillsboro Utilities Commission.
- Hillsboro relies on water stored in Barney Reservoir, Hagg Lake, and Fern Hill Reservoir
- The water is treated at the Joint Water Commission Treatment Plant. And an auxiliary emergency source on the upper Tualatin River. Both plants operate 24 hours per day, 365 days per year.

System area

There are four main system areas you may see discussed in the minutes.

- ▶ Valley Floor – Those served by Withycombe Pump Station
- ▶ Laurelwood – Those served by Salsbery Reservoirs
- ▶ Olson Road – Those served by the Olson Reservoir
- ▶ Bald Peak – Those served by the reservoirs going up Gibson and Albertson Roads, including Gammon and Bald Peak Reservoirs



2021 / 2022 Water Tests

2022 Water Quality

Water Testing

Daily chlorine residual samples at 2 sites

Two coliform bacteria samples per month

Quarterly Disinfection by-product samples

All water tests passed EPA and Oregon Health Department standards

| 2021 Sampling Results | | | | | | | | | | |
|--|-----------------|-----------------|--------------|----------------|---------------------------|----------------------|------------------------|--|---|----------------------------------|
| Customers served water by the JWC Water Treatment Plant & Cherry Grove SSF Plant | | | | | | | | | | |
| REGULATED SUBSTANCES | | | | | JWC Water Treatment Plant | | Slow Sand Filter Plant | | | |
| Substance | Unit of Measure | Year Sampled | MCL (MRDL) | MCLG (MRDLG) | Amount Detected | Range Low-High | Amount Detected | Range Low-High | Violation | Typical Source |
| Chlorine | ppm | 2021 | 4 | 4 | 1.39 | 0.82 - 1.39 | 1.89 | 0.66 - 1.89 | No | Additive controls microbes |
| Nitrate (as Nitrogen) | ppm | 2021 | 10 | 10 | 0.24 | 0.20 - 0.24 | 0.24 | 0.07 - 0.024 | No | Agricultural runoff |
| Barium | ppm | 2021 | 2 | 2 | 0.0046 | 0.0043 - 0.0046 | 0.0046 | 0.0010 - 0.0046 | No | Erosion of natural deposits |
| Hexachlorocyclo-pentadiene | ppb | 2021 | 50 | 50 | 0.15 | ND - 0.15 | ND | ND | No | Agricultural runoff |
| TREATMENT CONSIDERATIONS | | | | | | | | | | |
| Total Organic Carbons | ppm | 2021 | TT | N/A | 1.11 | 0.55 - 1.11 | 1.08 | ND - 1.08 | No | Naturally present in environment |
| Total Organic Carbons | % Removal | 2021 | TT | N/A | 44.8% | 37.0 - 55.5% | 45% | 17.7 - 100% | No | Naturally present in environment |
| Turbidity | NTU | 2021 | TT | N/A | 0.14 | 0.02 - 0.14 | 0.136 | 0.054 - 0.136 | No | Soil runoff |
| Turbidity | Percent | 2021 | TT | N/A | 100% | 100% | 100% | 100% | No | Soil runoff |
| (Lowest monthly percentage of samples meeting limit of 0.3 NTU for JWC and 1 NTU for SSFP) | | | | | | | | | | |
| OTHER ITEMS OF INTEREST | | | | | | | | | | |
| Substance | Year | Range (ppm) | | Substance | Year | Range (ppm) | | | | Range (ppm) |
| Aluminum | 2021 | ND | | Orthophosphate | 2021 | ND - 0.01 | | Fluoride: | Hillsboro does not Fluoridate | |
| Ammonia | 2021 | ND | | Silica | 2021 | 12.8 - 17.0 | | Hardness: | 20.4-34.2 ppm = 1.19-2.00 grains per gallon | |
| Calcium | 2021 | 5.2 - 8.9 | | Sodium | 2021 | 6.8 - 10.8 | | pH: | pH (Normal range): 5.8 - 7.96 | |
| Chloride | 2021 | 3.69 - 7.2 | | Sulfate | 2021 | 1.6 - 14.4 | | | | |
| Magnesium | 2021 | 1.8 - 2.9 | | Manganese | 2021 | ND - 0.0010 | | | | |
| Iron | 2021 | ND | | | | | | | | |
| During the past year, hundreds of water samples have been taken in order to determine the presence of any biological, inorganic, volatile organic, or synthetic organic contaminants. The table shows only contaminants that were detected and are considered a risk to health if over the Maximum Contaminant Level (MCL). A more detailed list of sampling completed in 2021 is available on the Joint Water Commission website at JWCWater.org. | | | | | | | | | | |
| L.A. Water Cooperative Sampling Results | | | | | | | | | | |
| Substance | Unit of Measure | Year Sampled | MCL (MRDL) | MCLG (MRDLG) | Amount Detected | Range Low-High | Violation | Typical Source | | |
| Asbestos | MFL>10pm/L | 2019 | 7 | 7 | ND | ND | No | Decay of asbestos-cement water mains; erosion of natural deposits | | |
| Substance | Sites Tested | Unit of Measure | Date Sampled | Action Level | Range Detected | Sites at or above AL | Violation | Typical Source | | |
| Copper | 10 | ppm | Aug 2021 | 1.3 | ND - 0.121 | 0 | No | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | | |
| Lead | 10 | ppm | Aug 2021 | 0.015 | ND - 0.002 | 0 | No | Corrosion of household plumbing systems; erosion of natural deposits | | |

2022 Accomplishments

PROJECTS

- **Leak detection and repairs**
- **Mainline PRV repairs and maintenance**
- **Evaluated pump stations and all 30 pumps**
- **Evaluated lines for replacement**
- **Foundation Repairs at Shop/Office**

Water Loss- On Next Slide

Water Loss Comparison

| | 2022 | 2021 | 2020 |
|----------------------------|-------------|-------------|-------------|
| ▶ Gallons Purchased | 94,028,483 | 104,425,891 | 100,386,278 |
| ▶ Gallon Sold | 65,561,425 | 75,675,440 | 70,376,780 |
| ▶ Gallons Unaccounted For | 28,467,058 | 28,750,451 | 30,009,498 |
| ▶ Percentage of Water Loss | 30% | 28% | 30% |



You the MEMBERS

SPOT AND REPORT
TO HELP STOP LEAKS

What to Look for:

Water shooting out of the ground



Water flowing like a stream



Pooling or bubbling



2023 And Beyond

- ▶ Reservoir inspections and investigating/scheduling of interior and exterior tank repairs
- ▶ Updating SCADA Systems for pump houses (supervisory control and data acquisition)
- ▶ Lambert to Muddy Gulch line re-routing and replacement
- ▶ Langley Road line repair or replacement
- ▶ Continuing to seek out and repair leaks to minimize water loss