



ANNUAL REPORT 2021

City of Klamath Falls

www.klamathfalls.city

Tel: (541) 883-5316



CELEBRATING A YEAR OF IMPACT AMID A YEAR OF CHALLENGES

A message from our Interim City Manager

As we look back on the last year of serving our community, we remember the barriers many faced, and continue to face, as a result of being impacted by the global pandemic. These challenges further cemented our commitment to doing whatever it takes to continue to provide essential services.



Throughout this time, we stayed true to our Council's mission to ensure we remain connected to our community, our community partners and our employees. As you will read in this report, our focus this past year was adapting our services and schedules to meet the evolving needs of our citizens and employees. We accelerated our innovation agenda, leveraging technology and partnerships to design creative solutions to new challenges. We were able to quickly identify and deploy online tools to facilitate the needs of our community and provide uninterrupted access to the resources needed.

Thanks to our elected officials, employees, community partners, and citizens, we are all contributing to a stronger and more inclusive recovery and growth for the City of Klamath Falls. We remain focused on implementing innovative solutions to overcome barriers to success needed to thrive in a post-pandemic world.

Thank you all for continuing to make this possible.

A handwritten signature in black ink, appearing to read "Jessica Lindsay". The signature is fluid and cursive.

Jessica Lindsay,
Interim City Manager

FINANCE

The Finance Division accounts for all revenues and expenditures of the City. Finance provides information to the City Manager, City Council and the Budget and Audit Committees to help inform decisions regarding the financial operation of the City and Urban Renewal Agency. The responsibilities of Finance include, but are not limited to:

- Accounts Payable
- Accounts Receivable
- Payroll
- Capital Asset Reporting
- Project Monitoring
- Debt Management
- Investment Management
- Budget Tracking
- Financial Reporting and Compliance

The Finance Staff includes a Finance Assistant, 2 Accounting Technicians, Payroll Accountant, Accountant, Senior Accountant, and Finance Director. Finance Staff continually work to take advantage of new technology and utilize software to streamline processes for Finance and other City Divisions. This includes reducing the number of printed checks, mailings and processing more electronic financial transactions for both Accounts Payable and Payroll.





The Finance Division has received the Certificate of Achievement for Excellence in Financial Reporting for over 25 years for our Annual Comprehensive Financial Report (ACFR). The 2021 review has not been completed, but we expect to receive the award once again.

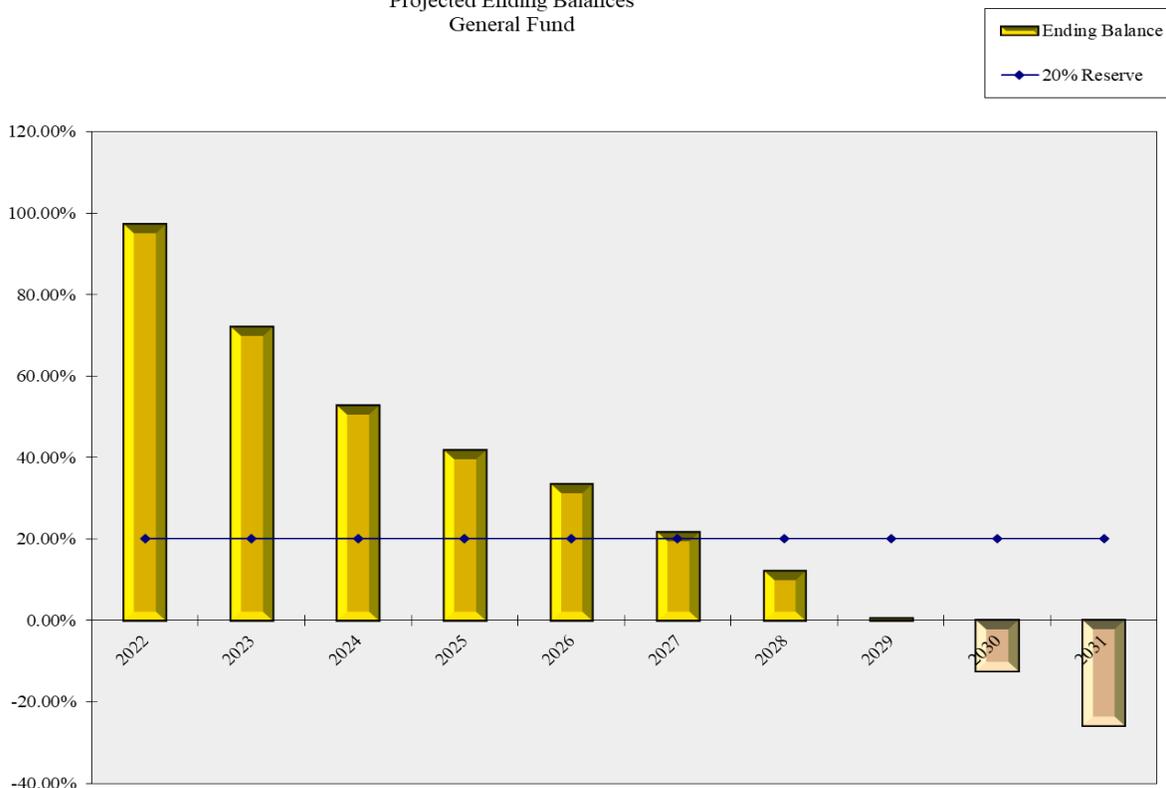
Expense and Program Revenues Governmental Activities Fiscal Year 2021 Actual



- Program revenues include charges for services, grants and contributions

The City is currently in our second biennium budget period for fiscal years 2021 to 2023. A biennial budget reduces City Staff time spent working on THE BUDGET and allows more time to implement projects and update operating procedures. The chart below shows the City's projected net working capital for the General Fund. Expenditures such as PERS, healthcare and general inflation continue to outpace revenue growth.

10 Year Forecast
Projected Ending Balances
General Fund



AIRPORT

Kelby Miller Promoted to Airport Operations Manager

In early August, Kelby Miller was promoted to Airport Operations Manager. Kelby has lived in Klamath Falls since late 1999 and graduated from Henley High School. Kelby has always had a love of everything aviation, including getting his private pilot license in 2009. Kelby had been working with us as an Airport Operations Specialist and is excited to further his career at the Crater Lake - Klamath Regional Airport. His first 2-weeks in the new position, found him immersed in the Airport's bi-annual FAA Part 139 inspection – which was successfully passed. Congratulations, Kelby!



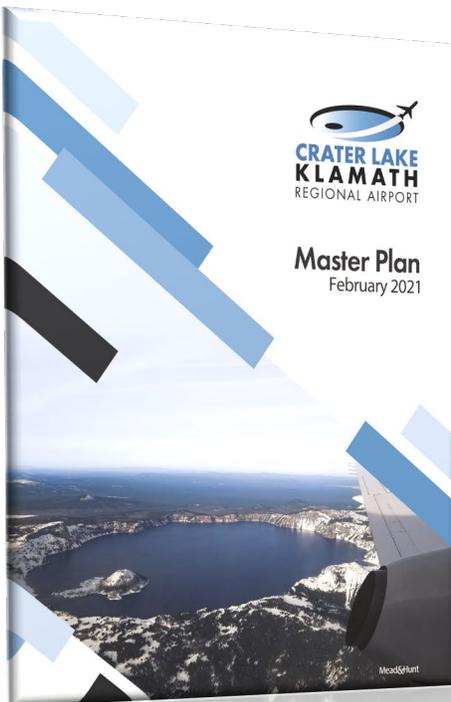
Sam Mijangos



Will Fish

New Airport Operations Staff

The Airport welcomed two new Airport Operations Associates to the team with the addition of Sam Mijangos and Will Fish in the last quarter of the year. Sam has lived in the Klamath Basin for 15 years and worked in the aircraft industry for the last 6 years. In his free time, he likes to spend time with his family and friends outdoors camping, boating and hunting. Will and his family moved to Northern California in 1996 and he spent 17 years as a travel millwright before settling down here in Klamath Falls. Will has a passion for aviation and spending time with family. Some of his favorite activities are, hunting, fishing, camping and destruction derby.



Airport Master Plan Completion

In April the Airport wrapped up a three-year collaborative process to update our Master Plan which represents the Airport's blueprint for long-term development. A few of the goals of a Master Plan are:

- To provide a graphic representation of existing airport features, future airport development and anticipated land use.
- To establish a realistic schedule for implementation of the proposed development.
- To identify a realistic financial plan to support the development.
- To validate the plan technically and procedurally through investigation of concepts and alternatives on technical, economic and environmental grounds.
- To prepare and present a plan to the public that adequately addresses all relevant issues and satisfies local, state and federal regulations.
- To establish a framework for a continuous planning process.

The previous LMT Airport Master Plan was completed in 2005 and the FAA encourages an Airport Master Plan update about every ten years. The Airport utilized a Master Plan Advisory Council (MPAC) with fourteen representatives from airport, community and state stakeholders to provide advice on the Airport's recommended planning course-of-action. MPAC

Meetings, in person early in the process and virtual during COVID restrictions, were held at various points in the planning process and a virtual public Open House was held to inform and gather input from stakeholders.

The updated Airport Master Plan can be found on the airport's website at <https://www.klamathfalls.city/170/Airport-Master-Plan>.

Taxiway B/D Rehabilitation Project Completion

Under the Airport's capital improvement program with the FAA, completion of Taxiways B1 and D rehabilitation was completed in 2021. Taxiway B1 is a connector taxiway to runway 14/32 from the northeast aprons. The section of Taxiway D rehabilitated in the project acts as the main parallel taxiway to Runway 14/32. The project included the construction of under drains on Taxiway D, rehabilitation of asphalt for both taxiways and replacement of incandescent edge lights and signs with LED lights and signs. Moving to LED lights and signs help reduce the Airport's overall electrical costs.

Mead and Hunt oversaw the design and construction management of the project while Rocky Mountain Construction was the prime contractor on the \$3.3 million dollar project.



Airport Passes FAA Part 139 Inspection

The Crater Lake – Klamath Regional Airport is a certificated airport by the FAA under 14 CFR, Part 139. As such, the Airport is considered what is called a “Part 139 airport.” For all Part 139 airports, the FAA performs annual or semi-annual inspections (depending upon the airport’s classification) to ensure each airport is complying with a myriad of FAA rules, regulations and requirements. This year, with a new Operations Manager, Kelby Miller, we passed our inspection with no discrepancies! Congratulations and a job well done are in order for the entire Airport staff that continue to keep us in compliance with the FAA.



ELLA REDKEY POOL

Revitalization and Beautification of the Facility

OUTDOOR PAVILION

In 2021, a one-of-a-kind, multi-use pavilion was constructed at the Ella Redkey Pool. This Pavilion will be used as an outdoor classroom and gathering place and will facilitate a variety of programs that focus on water safety, active recreation and healthy living.

Classes and programs will include:

- First Aid, CPR & AED
- Lifeguarding
- Afterschool activities
- Fitness classes
- Team-building workshops
- Summer camps

The Pavilion will also serve as a reservable space for family reunions, birthday parties, swim meetings, and more. This fall and winter the Pavilion has hosted a variety of events including the Redkey Reveal, Open House and Santa Freeze.

- Pavilion Groundbreaking: April 9, 2021
- Pavilions Completion: October 14, 2021



POOL COVER WINDER & DEPLOYER

In January 2021, the new pool cover Deployer & Winder arrived at Ella Redkey Pool! The Winder & Deployer is being used to mechanically pull the pool covers on and off. This machine will help ensure the safety of the staff, prevent injury, and increase efficiency.

LED LIGHTS THROUGHOUT THE FACILITY



Things got a lot brighter at the Ella Redkey Pool in 2021. Throughout the month of February, City Maintenance worked to replace the existing light fixtures in the locker rooms and mechanical room with new energy efficient LED lights. The pool now features LED lights throughout the facility, giving Ella Redkey Pool a brighter, safer, more efficient, and more welcoming atmosphere.

NEW PROGRAMS IN 2021

- Water Walking
 - Water Walking focuses on stretching the body and adding mindful movements in the water. The gentler resistance from the water allows more challenge than walking on dry land, while the buoyancy of the water provides a lower-impact exercise and cushion for aching joints.
 - Offered Tuesdays at 9am in the fall, winter and spring.

- Aqua Interval Challenge
 - Aqua Interval Challenge is a shallow water interval workout that improves overall health and fitness, utilizing a variety of different equipment to enhance muscular strength, balance and wellness.
 - Offered Thursdays at 9am, year-round.
- Zumba Glow
 - When the sun went down the night of June 16th, the Ella Redkey Pool turned up the FUN! The second aqua Zumba Glow class was one for the books. Participants met for a social hour from 8-9pm and then jumped into the pool for an hour of exercise and excitement. With an upbeat playlist, glowsticks to light up the night, and plenty of laughter, the night was a shining success.
 - 80 participants shared the Zumba Glow fun over three classes: May 16, June 16 & July 21.
- Family Beach Night
 - On July 23rd, Ella Redkey Pool hosted a beach-themed family night from 7 until 9pm. Swimmers splashed, played, limbo'd, relay raced, and overall "seas" the night! Young and old were seen enjoying a fun playlist of beachy music while playing with beachballs, fun floaties and pool rings.
 - Family Beach Night was a huge success with over 75 participants.



- Baby & Me
 - In Summer 2021, babies and their favorite companion filled the pool with song, laughter, splashing, and fun! Classes were offered on Wednesdays and Saturdays.
 - Classes included instructor lead songs, activities and time to socialize.
- Latin Dance Fusion
 - Dance to music from around the world while participating in a fun and challenging lower-impact workout in the shallow water.
 - Offered Tuesdays at 9am, year-round.
- Junior Lifeguard Camp
 - In June & July 2021 the Ella Redkey Pool offered two, weeklong Junior Lifeguard Camps. 18 youth participants from age 8-14 became Junior Lifeguards at the Ella Redkey Pool. Participants learned water safety, rescue skills, effective communication, and the duties and responsibilities of a lifeguard. Participants left the course with a foundation of knowledge, skills and experience in preparation to become a lifeguard.

COMMUNITY PARTNERSHIPS

- Friends of Ella Redkey Pool is a nonprofit organization that continued to provide advocacy and support for the Ella Redkey Pool throughout 2021.
 - 2021 Friends' highlights:
 - Donated \$56,860 to the outdoor pavilion project
 - Sponsored the 2021 Santa Freeze, provided free admission for all participants
 - Developed and distributed monthly newsletters to all pool subscribers
 - Created an AmazonSmile account to benefit the Ella Redkey Pool



- Provided swim lesson scholarships for youth in need
- Increased Friends of Ella Redkey Pool membership by 14% from 2020 to 2021
- Swim Skills Camp
 - Through a partnership with Klamath Falls City School District, a two-week Swim Skills Camp Session was offered August 16-20 and August 23-27.
 - 33 youth participants from grades 4 through 9 learned the fundamentals of swimming, enhanced technique and enjoyed pool fun and games with their peers.
- Snowflake Parade – December 9
 - More than 25 volunteers and staff joined efforts to create a one-of-a-kind Ella Redkey Pool float that glowed with joy and excitement as it paraded down Main Street on a snowy December evening.
 - Staff blew their lifeguarding whistles and shouted, “Merry Christmas,” “Happy Holidays” while running back and forth from the float to pass out candy to the young parade-goers. Even a local 175lb dog got in on the action. English mastiff, Hambone, enthusiastically paraded down the street, happily receiving pets from all who wanted to greet him.
- Santa Freeze – December 11
 - Over 50 participants had an awesome time kicking off the season with a warm dip in the pool, scavenger hunt, relay races, hot cocoa, cookies, and a visit with Santa!
 - The Friends of Ella Redkey Pool sponsored this annual event and provided free admission for all participants in exchange for a donation of a non-perishable food item or new toy.



- Freeze participants filled a HUGE Rubbermaid tote with non-perishable food items and toys to donate.
- Giving Tree – Month of December
 - Through the generosity of pool members and staff, the Ella Redkey Pool donated 91 gifts to Integral Youth Services in Klamath Falls.

LAUNCH OF 2021-2023 CAPITAL CAMPAIGN

From the launch of the campaign in October 2021, Ella Redkey Pool has raised over \$17,000 in individual donations for the 2021-2023 Capital Campaign.

The pool launched a series of events and programs in 2021 to showcase future plans and fundraise.

- Redkey Reveal - October 15, 2021
- Open House - October 22, 2021
- Holiday Raffle - December 2021
- Community Vendor Booths – November & December 2021
 - Basin Book Trader
 - Brevada Brew House
 - Ross Ragland

HIGH SCHOOL SWIM – Ella Redkey Pool is the only practice and swim meet facility for high school swim teams in Klamath County

- Home to the following schools swim teams in 2021:
 - Henley High School
 - Klamath Union High School
 - Lost River High School

- In 2021, Ella Redkey Pool supported 78 student-athletes
- In 2021, Ella Redkey Pool hosted 3 high school swim meets creating an estimated financial impact of ~\$335,000 to Klamath Falls tourism

KLAMATH BASIN AQUATIC – the only year-round, youth swim team that provides instruction for competitive and recreational swimmers.

- In 2021, Klamath Basin Aquatics supported 120 youth-athletes

LIFEGUARD CERTIFICATION COURSES – in 2021, three lifeguard certification courses were offered at Ella Redkey Pool.

- Participants receive CPR/AED, First Aid, & Lifeguarding Certifications while also building confidence and enhancing communication and teamwork skills.
- Graduating lifeguards are able to find employment at the Ella Redkey Pool, Klamath YMCA, and the Malin Pool.



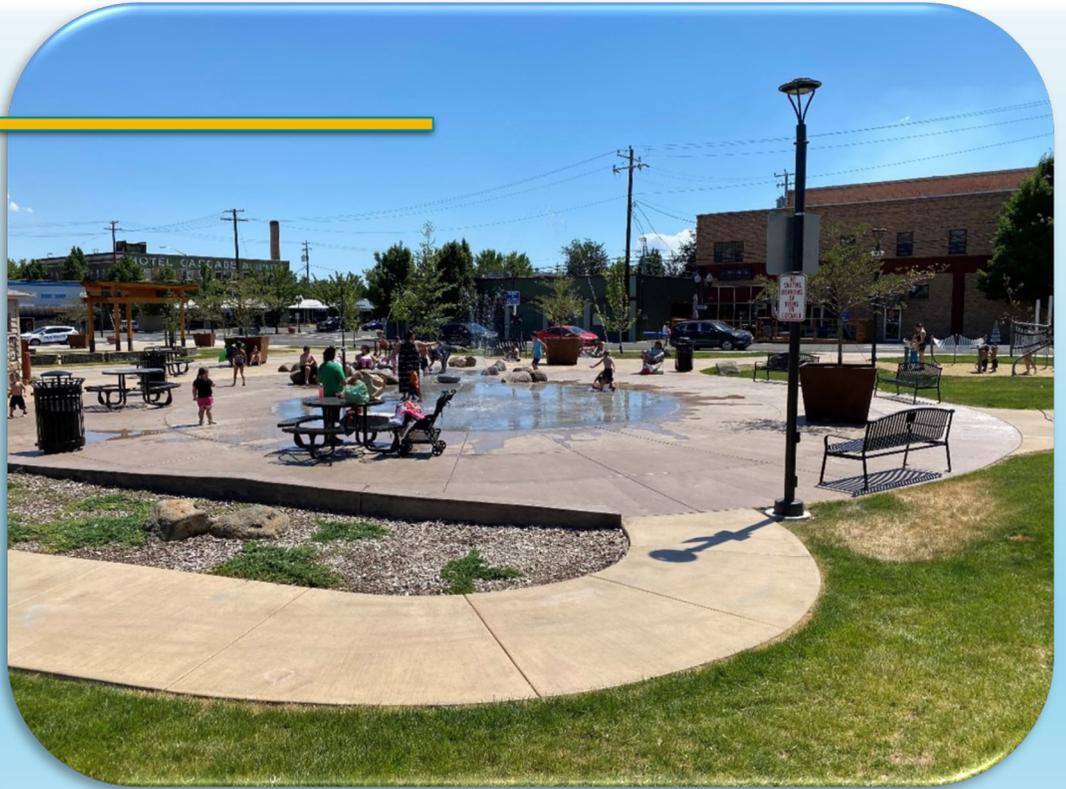
PARKS DIVISION

The dogs barked and we listened. Thanks to the efforts of Klamath Falls Dog Park Association and support by City Staff, a new premier off-leash dog park became a reality. A variety of dogs met throughout this first season to play and socialize in their very own community gathering spot. Many long-term friendships were made between dogs of all sizes and their grateful owners.



Plans are underway for new amenities such as a doggy drinking fountain, bench and tables, more trees on which to post daily peemail, and doggy play equipment. For more info contact [facebook.com/kfallsdpa/](https://www.facebook.com/kfallsdpa/).



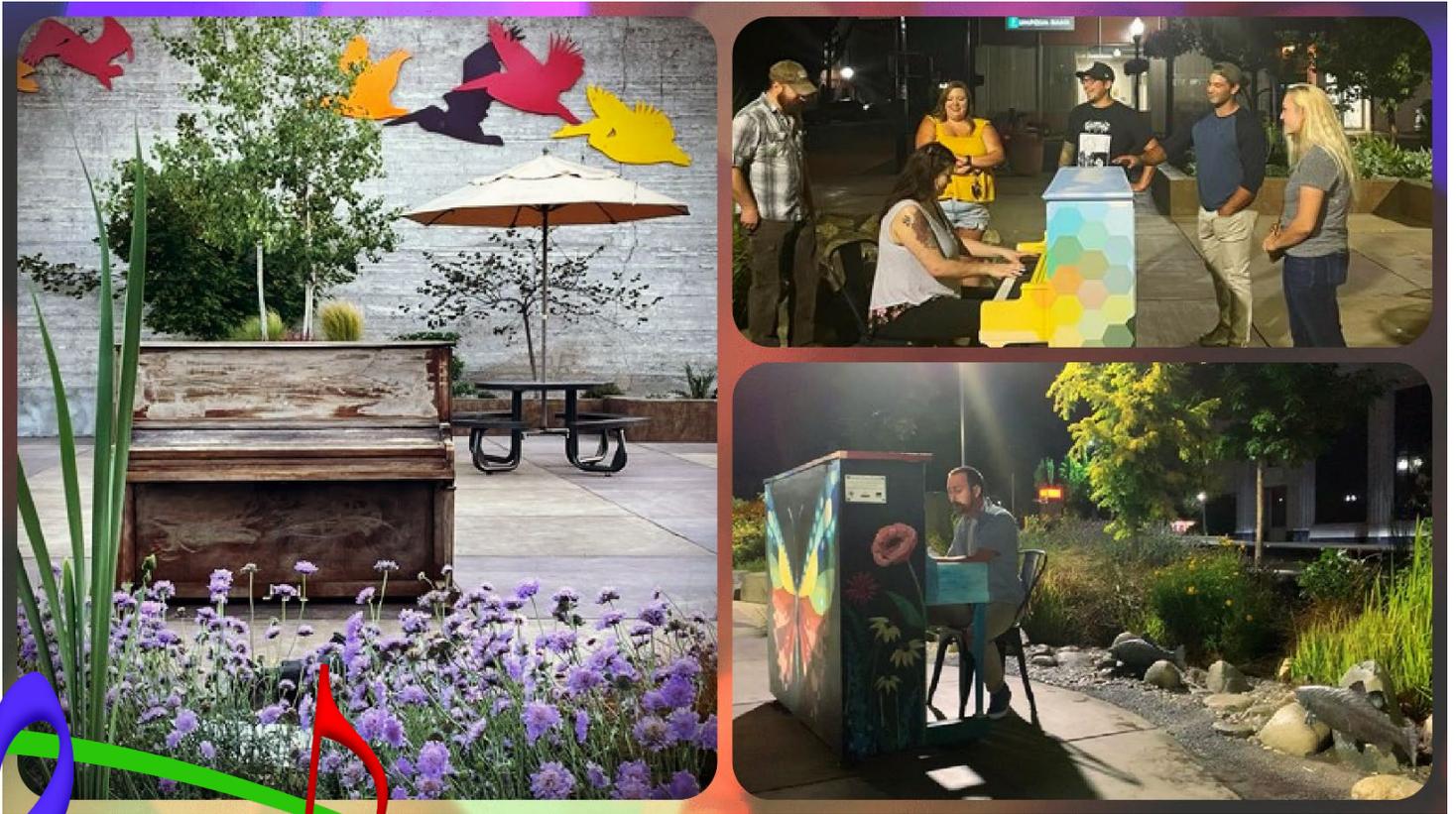


Klamath Commons Park provided warm weather relief to many downtown visitors throughout the summer. Children took to the fountains and played piano and percussion instruments. Adults enjoyed leisure time or held meetings beneath the Stephanie Van Dyke Pavilion.



Interactive fountains light up the water with colorful displays adding new dimension to the night.

*Sugarman's Corner hosted weekly entertainers
and the spontaneous performer thanks to the
KLAMATH PIANO PROJECT*



Sugarman's Corner

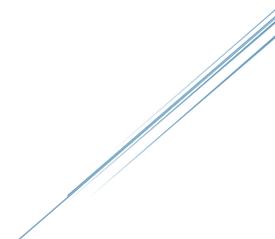


In a landscape concert featuring renowned pianist Hunter Nowak, who entertained a large audience at Moore Park Waterfront, people were absorbed in classical music well suited to the forested surroundings with views of distant island scenes across upper Klamath Lake.



MOORE PARK

Klamath Trails Alliance and City Staff designed a new bicycle skill building trail area in Moore Park. Located just beyond the Gingerbread House, the site location and terrain provide easy access and various challenge levels. Many smiles and miles made for a perfect opening day.





11TH ANNUAL MOORE MOUNTAIN TRAIL RUN

The annual event drew many “happy to be back again” runners from the starting line in September. The National Interscholastic Cycling Association concluded its race season with state finals in Moore Park. Inclement weather required some course changes, but also added to the epic experience that riding in Moore Park can only provide.

WATER & GEOTHERMAL DIVISION

Water is truly an essential part of each of our lives. We rely on water daily for a wide range of uses from growing crops to aiding in industrial processes. None of these uses is more important than our need for high quality water that we can safely consume, and the City of Klamath Falls Water Division remains vigilant to provide the highest quality drinking water possible to our customers.

The Water Division's mission is to provide a safe and reliable drinking water supply to the citizens of Klamath Falls. Division staff strives to assure safe, reliable, and cost-effective delivery of domestic potable water to meet the needs, current and future, of the community and the customers that we serve. We are committed to providing customer service by establishing and maintaining operational philosophies to meet the growth and seasonal demands and by responding to all customer concerns relative to quality, transmission, and delivery of the highest quality drinking water possible.



2021 Water by the Numbers:

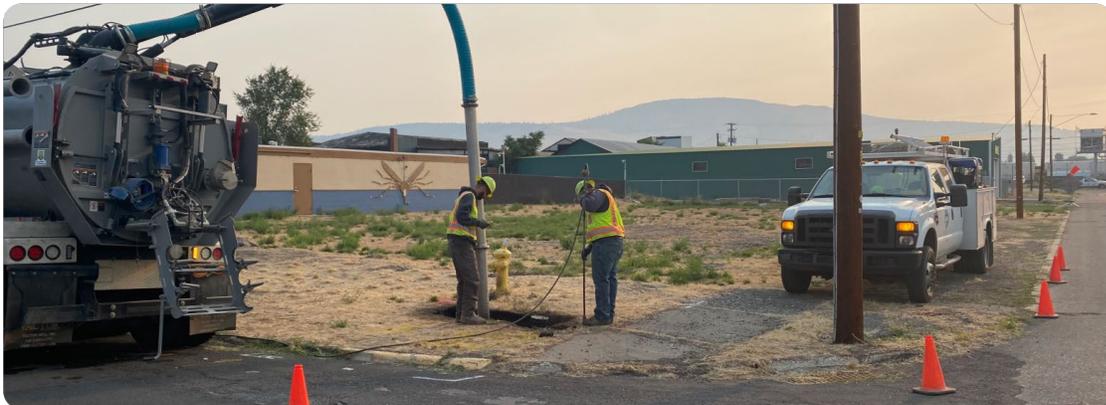
The City of Klamath Falls owns, operates, and maintains:

- 13 potable or drinking water wells. 10 wells are operational, and 3 wells are designated emergency use only.
- 22 water storage reservoirs (tanks) with nearly 17 million gallons of stored potable drinking water.
- 23 water booster pumping facilities that pump drinking water into 8 separate pressure zones.
- Drinking water is delivered through approximately 265 miles of water mainlines.
- Nearly 17,000 metered water service connections within the City's water system.
- 2.80 billion gallons of water was produced and delivered to our customers in 2021.
- 2021 average day water demand of 7.9 million gallons of water.
- 2021 maximum or peak day of 15.7 million gallons of water.
- The City owns and maintains the 1258 fire hydrants installed throughout the water system.

The Division is responsible for the maintenance of over 50 water and geothermal facility sites. As well as the maintenance and repairs for the 265 miles of water mainlines and 17,000 services that provide potable water to the customers within the distribution system. During 2021, crews within the Division completed a multitude of work orders that involved routine system maintenance, new service installations, emergency repairs, as well as inspections of facilities and infrastructure.

The Water crews focused on maintenance and replacement of system fire hydrants as a goal for the 2021 year. Fire hydrants serve a vital part of the water system. They are used for area firefighting and protection, but they are also utilized for system health. Water crews use the fire hydrants to perform system pressure and flow tests as well as to help maintain the City's water flushing program. City crews completed individual hydrant

inspections that included exercising, lubricating and function test of each hydrant. Repairs were made as needed to verify hydrants are in working order and operate as required. Staff also worked on their goal of installing one hydrant per month to replace existing outdated Corey hydrants. Replacing outdated hydrants helps to continue the enhancement and beautification of our city as well as update current infrastructure.



Water crews completed an in-house project installing approximately 300 linear feet of 8" mainline on Lancaster Avenue. They installed the new line, bored and intercepted existing water services and installed a new fire hydrant. This new infrastructure replaced and improved an existing two-inch line that provided inadequate flow with no fire protection on the street. Completing this project in-house gave City staff the chance to refamiliarize themselves as well as train newer staff on the procedures of water main installation. City crews look forward to completing similar smaller main improvement projects in the future years to come.



The Division is also responsible for the operation and maintenance of the City's geothermal heating system utilizing geothermal ground water ranging from 200 to 220 degrees to provide heating service to commercial, government, and non-profit facilities. The geothermal heating system also includes sidewalk and bridge snow melt systems located in the downtown area. In 2021, the GEO WELL #2 underwent an extensive rehab project. Water division, with the assistance of Maintenance division and contractor services, rebuilt the pump and motor of the well, as well as replacing well piping as needed. Completion of this project will help ensure the continued usage and reliability of the geothermal system for the years to come.



Water Conservation:

A top priority for the Water Division is to promote conservation of our precious water resource.

We continued the efforts to maintain water metering accuracy by replacing 747 outdated water meters in 2021. Water meters tend to slow down and become inaccurate as they age. Maintaining meter accuracy helps reduce unaccounted for, or non-revenue water losses, which allows the City to maintain more consistent water rates and encourages the water user to conserve water. Minimizing unaccounted for water losses also helps reduce the cost of producing and pumping water.

Another water conservation component is the Advanced Metering Infrastructure system. This system allows City staff to remotely read and monitor every water meter in the system. With this AMI system, Water division with the help of Utility Billing can provide customers with an accurate timeline of leaks and a better understanding of how much water is being

lost during leaks. Billing staff can also utilize this information in a proactive way to often see leak trends before billing notices are received. This will help us direct our efforts to inform our customers of abnormally high-water consumption to promote conservation.

Additionally, through our in-house leak detection/repair program division personnel were able to locate and repair over XX water mainline leaks in 2021, many of which were non-surfacing leaks.

Capital Improvement Program:

During 2021 with the help of the Development Service Department and through contracted services, the Water Division completed the installation of over 1,700 linear feet of eight-inch water mainline on Cleveland Ave and Emerald St in the Stewart Lennox Subdivision. The purpose of this project was to replace an inadequate and leaking two-inch steel water line reducing unaccounted for water losses.

The Federally mandated 2018 America's Water Infrastructure Act, Risk and Resilience Assessment was completed with the final report done in June of 2021. The purpose of this project is to characterize the water system assets such as sources, tanks, pipes, computerized monitoring and control systems, financial systems, and operation and maintenance practices then to assess potential threats, vulnerabilities, and consequences. The second portion of the AWIA, the Emergency Response Plan, which is a follow-up to the Risk and Resilience Assessment was completed in August of 2021. Completing these projects keeps the City in compliance with the new AWIA act until 2026 at which time the project needs to be updated and amended pending any changes to the water system.

Division staff are looking forward to having another productive and successful year in 2022.

MAINTENANCE & RIGHT OF WAY (ROW)

The City of Klamath Falls Maintenance Division provides custodial and maintenance services throughout the City. In addition to their electrical, plumbing, HVAC and carpentry expertise, they perform a wide variety of repairs and preventative maintenance for all City Divisions and Departments. Several Citywide projects are completed, assisted, or arranged by the Maintenance Division on a yearly basis. This year, the Maintenance and Street Lighting Division completed 1797 work orders. Many work orders that were completed are scheduled for preventative maintenance and for seasonal reasons. Other work orders that were completed fall under the unscheduled category and most of those are for equipment breakdowns or unforeseen circumstances that have prompted requests from City personnel as well as from citizen requests.



In this photo: City Maintenance crews repair a damaged conduit that was excavated by a contractor that was installing sidewalks. Crews make many repairs to damaged infrastructure yearly.



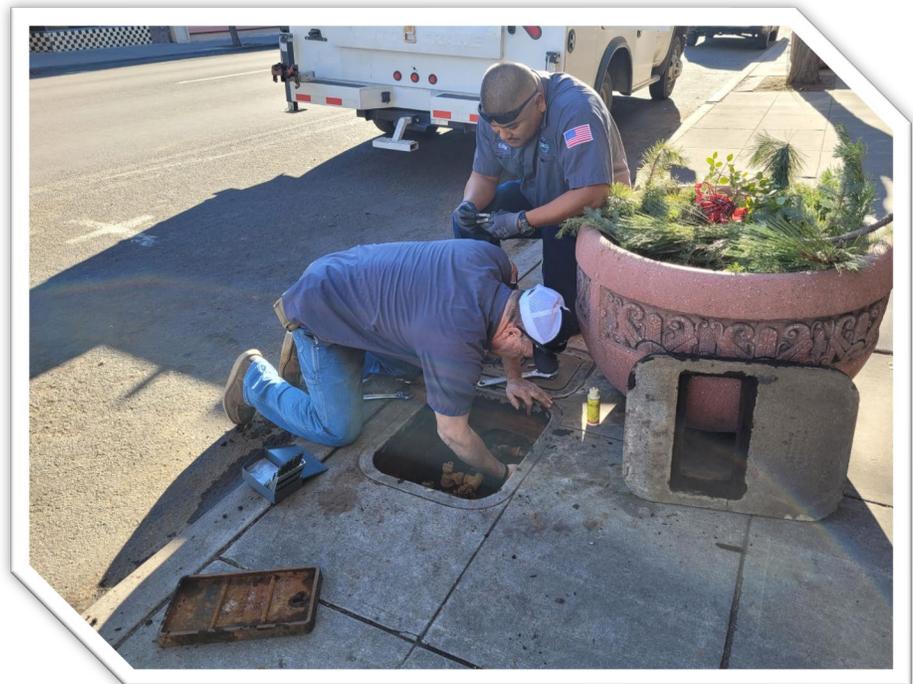
In this photo: This is a before photo of the clock on Main Street downtown. The elements had been hard on the paint over time, so staff decided that it was time for a makeover.



In this photo; Here is the clock with paint freshly applied. The City has made strides in trying to beautify the downtown core. Within the last couple of seasons, City crews have facilitated the painting of downtown traffic signal poles, clock and streetlighting poles on the 6th street via duct to present a clean, new look.



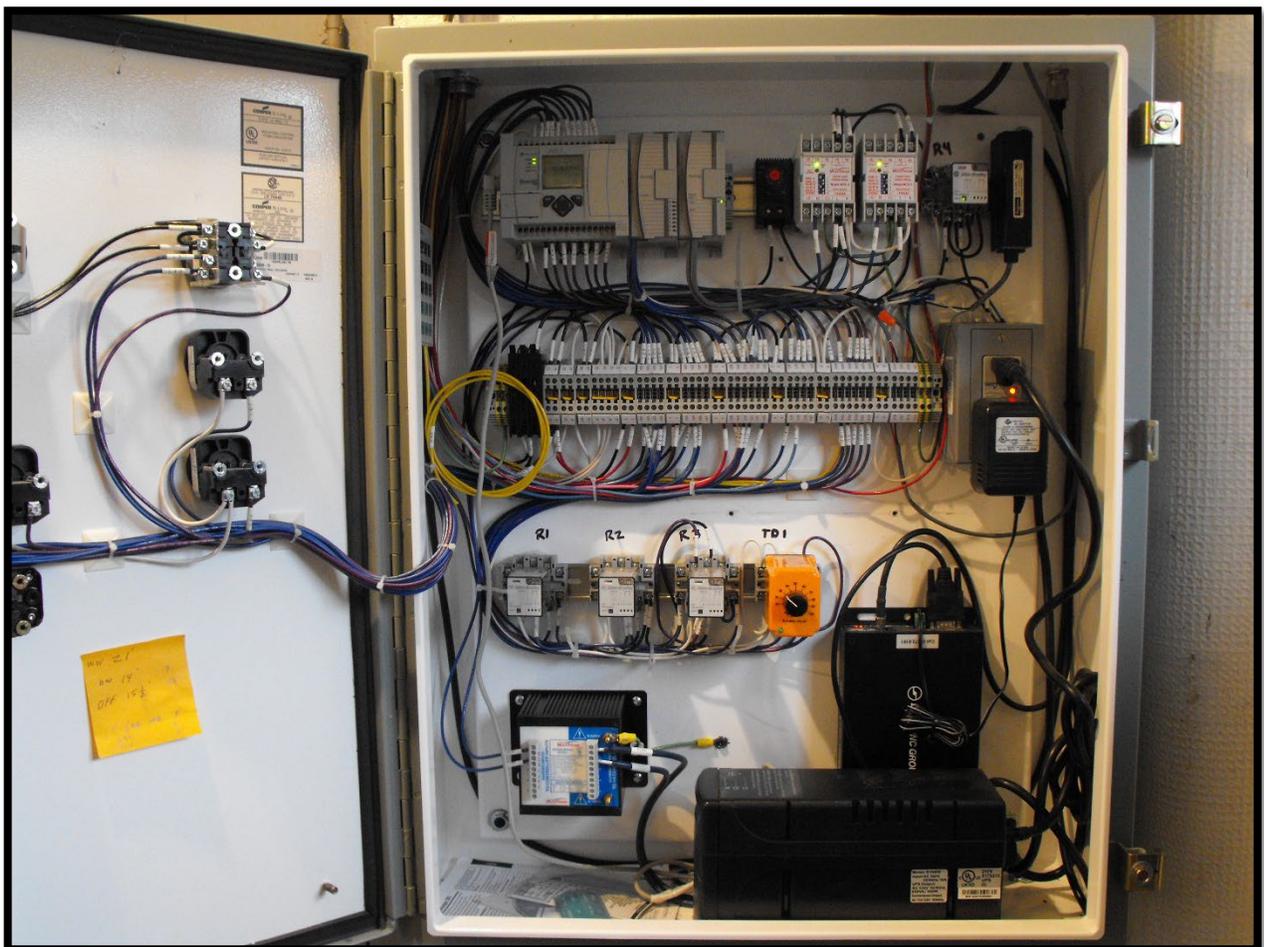
Gene Gamble troubleshoots a problem at our Debbie Well in the Stewart-Lennox area. In this particular case, it was found that we had lost one leg of our 3-phase power feed to the well house bringing water production from this well to a halt. It was quickly remedied with a call into Pacific Power with minimal interruption of services.



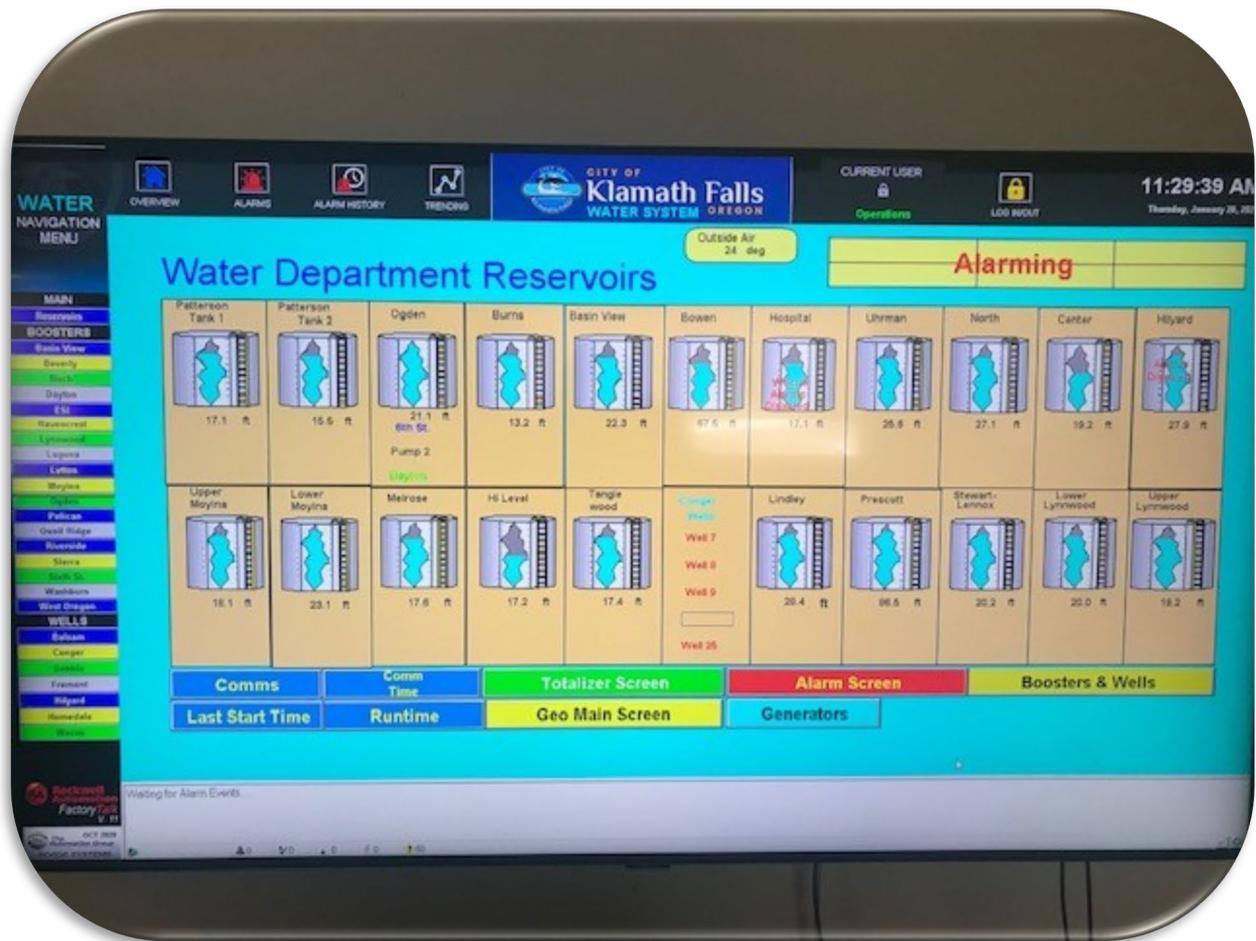
Kirk Sipes and Edgar Cisneros make repairs to the downtown snow melt system. This system aids City businesses with snow removal during the winter months by heating the sidewalks and melting the snow before it can accumulate.

The Maintenance Division is responsible for programming the City SCADA system. SCADA is an acronym for Supervisory Control and Data Acquisition. This program helps the City Wastewater, Water and Maintenance Divisions remotely run and monitor critical water boosters, wells and tanks as well as the Wastewater Collections Systems lift stations and the Wastewater Treatment Plant. This system is also equipped with an automated alarming system that alerts personnel to emergency situations, such as low water tank levels, high lift station wet well situations and power outages. It will also let personnel know whether critical pumps and motors and generators are running or not.

The SCADA system saw an upgrade this year. City Staff and a contracted vendor installed secure servers and other equipment to provide users with a more reliable and less vulnerable system.



PREVIOUS PAGE: This is a picture of one of the many remote SCADA panels that the City has in place. Each remote Wastewater and Water sites have one installed. These panels are responsible for operating each individual station and have been programmed with parameters to operate pumps and motors when they are called for. These panels have also been programmed to alert personnel should a problem arise and will communicate all information back to our home office via radio communications.



ABOVE: Here you see a screenshot of one of our many SCADA Screens. This screen informs City personnel of tank levels Citywide. The user can also access other screens such as individual well sites, alarms, generators, Geothermal Systems, communications, pump run times, and daily flow totals.

STREET LIGHTING, TREES & SIDEWALKS

Street Lighting

The Street Lighting Program, which is part of the Maintenance Division, is currently maintaining approximately 2,984 streetlights throughout the City. The original master plan for the Street Lighting program consisted of 2,300 lights. The City has exceeded that number as some areas required more lights than the master plan had addressed, as well as newly annexed areas into the City limits.

This upcoming year will see the street lighting total climb as recent development projects have started and incorporated new street lighting into their site designs.



ABOVE: Ken Ronningen installs new banners in the Timbermill Shores development. With all the development going on in the immediate area, crews were called on to install the banners to help beautify the neighborhood.



Street lighting crews also perform maintenance to traffic signals by responding to and troubleshooting signal related maintenance issues. Here, maintenance crews perform an annual inspection at an intersection.

Sidewalks

To date, City maintenance crews have replaced 6,933 square feet of sidewalk in the past year and a total of just under 17,000 square feet in the past two seasons. An assessment was made, and all sidewalks were inventoried and categorized on a worst to best condition basis. City crews have been focusing their efforts on the worst cases and are steadily making progress, although it will take some time before we will be able to get to the medium and low priority cases.



BEFORE: A sidewalk on Auburn Street. As you can see, tree root invasion has played a key role in the upheaval of this section of sidewalk. Sidewalks like the one pictured above with major upheavals are our main priority at this time.

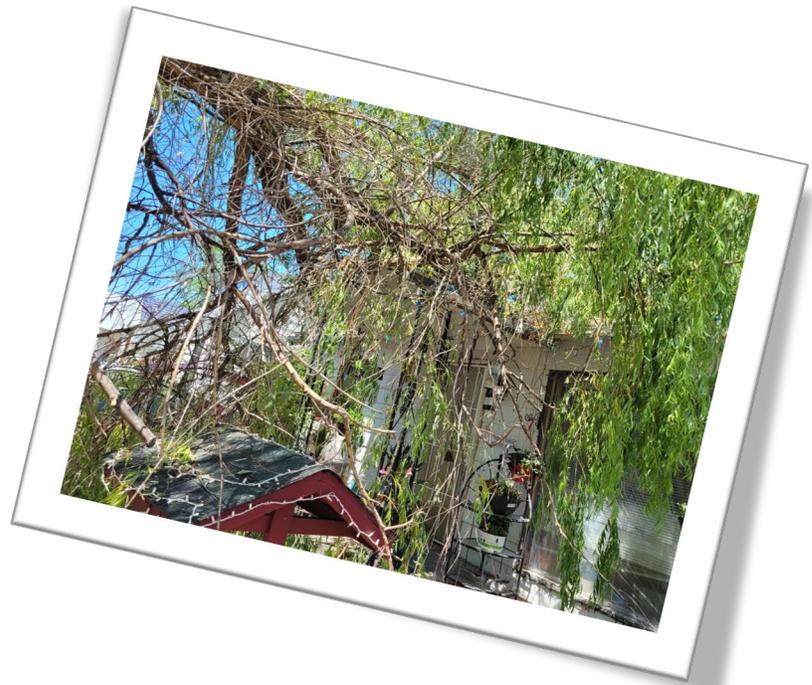


AFTER: Same stretch of sidewalk after removing and replacing the concrete. We have many sidewalks within the City that are experiencing the same intrusion from tree roots and City crews are addressing them on a worst to first basis.

Trees



This is one of the many casualties the City encountered due to this summer's drought conditions. This season has been very rough for many of the trees within the City R.O.W.



Here is another picture of a tree that failed due to drought conditions. Luckily, the home did not sustain any damage and the debris was cut up, cleaned up and hauled away.

This year was quite busy regarding tree work performed. To date, the City removed 35 unhealthy trees within the ROW that were considered hazardous, and which posed a risk to the public and personal property safety. We were also tasked with pruning and raising the canopy in the Mills Addition area, Presidential streets area, Oregon Avenue corridor, California Avenue corridor and lakeview focus area in where crews did a fantastic job in creating safer travel corridors for vehicles, bicyclists, and pedestrians. Additionally, crews are working on remediating problem trees within the alleyways in the Mills Addition area.

We continue to work daily with contractors to alleviate problem trees that have been brought to our attention by citizens and businesses alike.

Please contact us at the number provided below should you have any questions or concerns regarding Street Lighting, Sidewalks or Tree issues that reside in the Public Right of Way within City boundaries.

Contact Information

Department	Phone
Public Works	541-883-5397

Office Hours: 6:00 am - 4:30 pm, Monday - Friday
Closed ALL major holidays.

- *Please do not hesitate to call for any Street Lighting or ROW related issues. We try to respond to all requests within one working day.*

STREETS & EQUIPMENT DIVISION

The City of Klamath Falls Street Division's top priority is to maintain the city's right-of-way in a safe condition for the public, maintaining 146 centerline miles and 302 travel lane miles. Funding for maintenance of Streets comes from various sources, State Gas Tax, Franchise Fees and Federal Hi Way programs. To keep the City's infrastructure in a safe and usable condition, the following maintenance operations are scheduled during the summer months: In-House overlays, crack sealing, pothole repair, utility cut repair, concrete repair, street striping, sign maintenance, project inspection and street sweeping which is generally accomplished during the year as weather permits.

In the winter months, snow and ice removal is the number one priority for the Street Division. Typically snow removal and snow hauling takes a large portion of available man-hours. When weather permits Street Division crews continue to make repairs on streets, utilizing cold and recycled asphalt mix for repairs, dealing with drainage, cleaning and repair of open trench ditches, and working on the daily repairs / maintenance that are necessary to provide roadway safety.

Street Division Statistics 2021

The Street Division, weather permitting and available manpower, operates two 2017 Mechanical Broom Sweepers cleaning 5,896 gutter miles and removing approximately 1,865 yds of debris consisting of winter sand, cinders, fall leaves and normal road debris. Last winter we experienced a below average snow fall and average cold temperatures, the Street Division de-iced 2,787 lane miles, placing 393 yds. of cinder material to city

streets. The Sign shop replaced and repaired 284 signs, posts, and inserts, associated with vehicle incidents and or vandalism. Other projects included the expansion of the Downtown Parking District this year. Street Striping consists of crosswalks, school zones, parking "T's" yellow curbs and main line striping. Our paint totals were 1,116 gallons of white, 659 gallons of yellow, 6,144 lbs. of retroreflective glass beads and 695 sq. ft. of Thermal Plastic lines and arrows. The Oregon Ave. bike lane maintenance is performed twice annually, spring and fall with the installation and removal of 240 delineators. Asphalt crew repaired 553 potholes using 7 tons of cold mix and hot mix along with placing 1,029.04 tons of asphalt covering local city streets. Crack seal application consisted of 21,360 pounds of crack sealer applied on streets in wards 2,3 and 4. Klamath County Public Works also assisted the Street Division with the application of 346,866 sq. ft. of chip seal and fog seal on City streets located in Ward 3.

Some of our Partnerships on various projects and operation:

City of Klamath Falls:

- Water Division, Utility repair
- Maintenance Division, Utility repair, Traffic light Maintenance
- Parks Division, Rights of way cleaning
- Wastewater Division, Utility repair
- Development Services, Capital Project Management
- Support Services, Accounts receivable / payable

Klamath County:

- Klamath County Public Works
- Klamath County Road Department, Chip seal Services and Main Line Striping

State of Oregon:

- Oregon Department of Transportation Region 4, District 11, Inter Gov. cooperation

- Dept. of Consumer & Business Services, Oregon Preferred Workers.

Fleet Services

The Fleet Services shop maintains and repairs all City's vehicles and heavy equipment. The average age of the fleet is 12.5 years and is maintained and repaired by two ASE certified Mechanics. The shop maintains up-to-date and accurate records on 343 vehicles and equipment to ensure that service and repairs are done in a timely manner. Regular service and prompt repairs extend the useful life of the assets and reduces operational costs.

Fleet Maintenance Statistics

Fleet Maintenance serviced 767 vehicles and equipment and made 458 repairs. They dispensed 810.3 gallons of motor oil, gear oil, ATF and Hydraulic fluid, 60.5 gallons of coolant and 45lbs. of grease. 982 gals of waste oil were collected from various Divisions and Departments and were donated to the Oregon HEAT program.

City Street Sweeper sweeping Northern Heights Blvd.





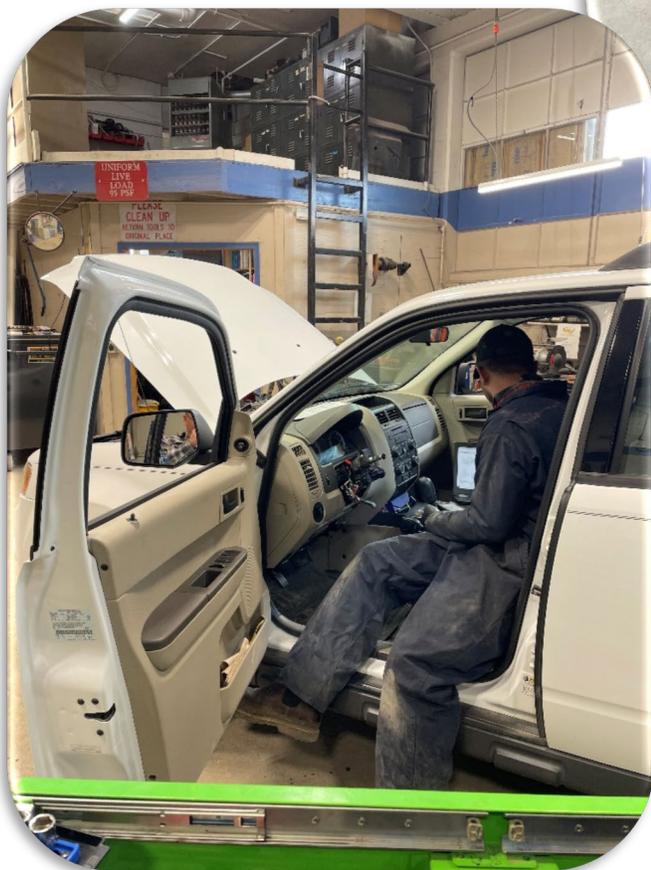
Sign Department replacing a "No Parking" Sign due to Vehicle damage.

Paint Crew painting "School Crossing" on Eldorado Blvd.



Asphalt Crew performing an overlay on Siskiyou St. and Prescott St.

Fleet Mechanic performing maintenance on the Athey belt loader.



Fleet Mechanic performing maintenance on an Airport Vehicle.

WASTEWATER DIVISION

Industrial Pretreatment Summary

IPP staff has continued to work with local businesses to reduce pollutants, recycle waste by-products, and remain compliant with Federal, State, and Local environmental requirements. The list of users within the City service areas include.

- 2 – Significant Industrial Users,
- 5 – Nonsignificant Users,
- Approximately 200 Identified users,
- 13 Dental Offices, and
- 74 Food Service establishments, and
- 39 surveyed businesses within the Klamath Falls service area.

The IPP staff have also been working with a third-party lab on a toxicity reduction evaluation to address exceedances of the W.E.T limit for chronic, and acute toxicity to water fleas, and chronic toxicity to green algae. We are also in the planning stage of a new local limits study to determine the maximum allowable loading of pollutants to the treatment plant headworks, and maximum allowable industrial loadings.

Composting



5.13 million gallons of digested sludge, along with 1.191 tons of wood chips was turned into more than 1.787 tons of distributed usable compost.





Statistics

1. The City of Klamath Falls Treatment Plant treated more than 723 million gallons of water in 2021.
2. 978 million gallons of treated water was sent to Co-Generation plant to cool equipment as well as create high pressure steam used in the plants steam generators.
3. 57 million gallons of storm water passed through the Cities main storm lift station on its way to the river.

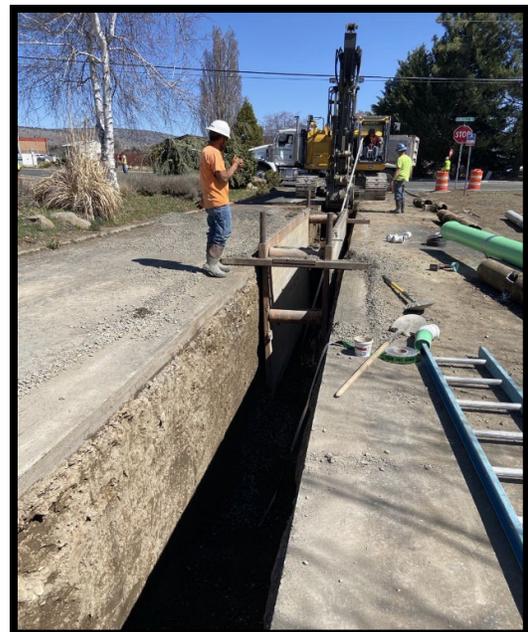
Wastewater Collections

In 2021, a total of 2151ft of deteriorated Clay, Concrete and AC sewer mains were replaced with new PVC pipe on Washington, Manzanita, Earle, Lakeport, Bartlett, and Cook St. The existing sewer mains were in poor condition due to cracks, offsets, root intrusions and cavities.



The existing sewer line on Lakeport had to be re-aligned for future ODOT bridge replacement.

Crews installing new 10-inch sewer line on Bartlett Ave.





Pictures above are from the Link River Pump Station Retrofit Project. The project consisted of replacing 3 worn out pumps with 3 new energy efficient submersible pumps, installing new piping, valves, and controls. The project also eliminated the dry well that approximately 30 ft deep that crews would have to do a confined space entry to perform any maintenance on the old pumps. This is the first of 6 pump stations slated to be completed in the next 5 years.

Collections Ataff also did several CIPP (Cured in Place Pipe) repairs. They are able to repair broken sewer mains without having to excavate and expose the pipe. A fiberglass matt is saturated in resin then wrapped around a bladder and inserted into the sewer main. It is then pulled to the area that needs repaired and compressed air is applied pushing the fiberglass matt against the pipe repairing and filling any voids in the pipe. This allows us to make spot repairs to sewer mains without excavating the pipe saving time and money.



Before



After



Before



After

The above pictures are from a sewer line repair on North 7th St. A substantial amount of the piping in the Downtown area consists of Clay Pipe. Clay pipe can last up to 100 years when not broken by tree roots or soil movement.

Collections Yearly Statistics

- The Wastewater Collections crews cleaned a total of 772,168 ft of sewer mains.
- The CCTV crew televised and inspected a total of 73,732 ft of sewer mains.
- Number of Sanitary Sewer Overflows – 1

City of Klamath Falls

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