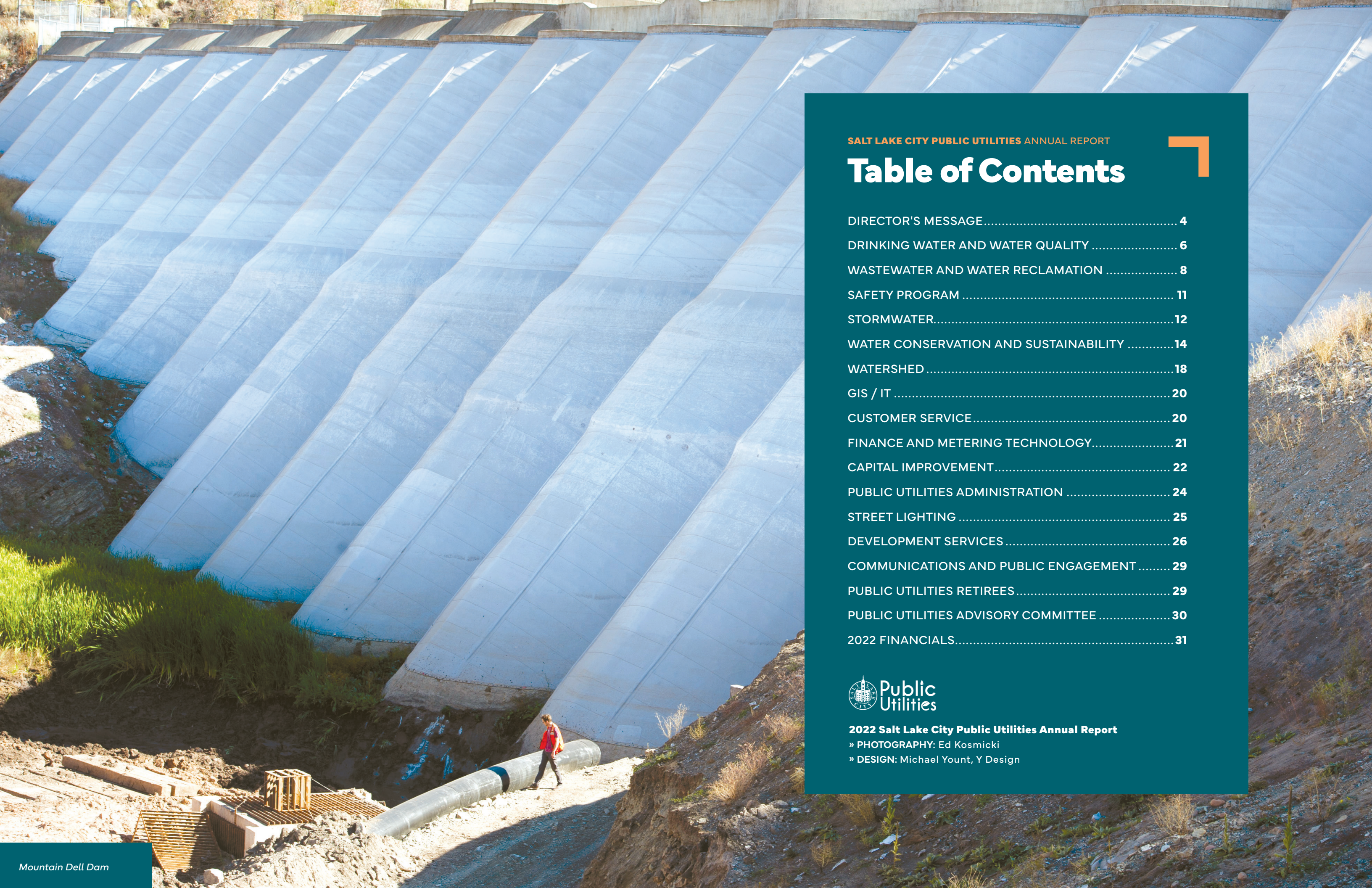


SALT LAKE CITY
Public Utilities
ANNUAL REPORT



Public
Utilities



SALT LAKE CITY PUBLIC UTILITIES ANNUAL REPORT

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2022 Salt Lake City Public Utilities Annual Report

» PHOTOGRAPHY: Ed Kosmicki

» DESIGN: Michael Yount, Y Design

Resilience

As we wrap up another phenomenal year at Public Utilities, I have been deeply reflecting on resiliency. This includes resiliency of our community, city, department, and environment.

Lifeline functions in our society are defined by the US Department of Homeland Security (DHS). These include transportation, water, energy, and communications. US DHS considers a function



Director Laura Briefer

a lifeline when "their reliable operations are so critical that a disruption or loss of one of these functions will directly affect the security and resilience of critical infrastructure within and across numerous sectors". This speaks to the interdependencies between functions,

such as the interdependencies of water and energy — water is necessary to make energy, and energy is necessary to treat and convey water. If one lifeline function fails, cascading impacts will develop that can derail the operation of other lifeline functions and critical infrastructure. The results can be very disruptive and even catastrophic to the public and therefore, maintaining resiliency of these functions is an extremely important task.

Public Utilities is the provider of a federally defined lifeline function (water) and operates other federally defined critical infrastructure sectors, such as wastewater, stormwater, and dams. We are serious about ensuring resiliencies for all the services we provide.

What is entailed in ensuring the resiliency for Public Utilities' functions? The answer to this question is extraordinarily multifaceted, with each strategy interconnected. Here are a few examples:

» **Stewardship of natural systems and resources**

— a healthy environment is the underpinning of our ability to be resilient. Our watershed program, sustainability initiatives, water conservation program, water reclamation facility, stormwater program, and dark skies program are each heavily focused on environmental stewardship. In addition, we are involved in many collaborative stewardship projects with federal, state, local, and non-profit organizations.

» **Risk assessment and planning** — we constantly monitor risks and prepare implementation plans to mitigate them. Our safety and emergency management function, climate assessments, water supply and demand planning, watershed management plan, continuity of operations plans, emergency management plan, and stormwater management plan are indicative of our ongoing risk assessment and planning work.

» **Strategic asset management** — the infrastructure we operate faces challenges associated with deterioration, growth, and climate change. Our engineering, GIS, and operations and maintenance teams inventory and assess the condition of each of our



Salt Lake City Public Utilities Director Laura Briefer coordinating closely with our team.

infrastructure assets. This feeds defined actions for the maintenance, repair, and replacement of our critical water, sewer, stormwater, and lighting infrastructure.

» **Organizational health** is fundamental to resilience. This includes financial health, leadership, vision, mission alignment, employee wellbeing, accountability, culture, collaboration, and many other elements. Our leadership team regularly strategizes about organizational health, making changes where needed.

It is my hope that you find many examples of our resiliency efforts in the pages that follow and in the actions of our department and its dedicated employees.

Thank you,

Laura

Drinking Water and Water Quality

We conduct extensive monitoring of the water throughout our protected watersheds, at our water treatment plants, and throughout the distribution system to ensure the quality of water as it travels from the source to your tap meets drinking water standards. Due to our high quality of water, we continue to meet and exceed state and EPA regulatory requirements. During the last year, Water Quality:

» IMPLEMENTED A NEW LEAD AND COPPER PROGRAM TO MEET NEW REGULATORY REQUIREMENTS

- Developed an inventory of all known lead service lines. This included reviewing more than 10,000 historical City records.
- Implemented a pilot study to assess impacts of service line material in drinking water.
- Developed outreach and follow-up for customers with known lead service lines and protocol to minimize impacts of lead when a lead service line is replaced.
- Trained more than 200 employees on new Lead and Copper rules and requirements.

» IMPROVED CROSS CONNECTION CONTROL

- Performed 196 hazard assessment inspections and identified and addressed 61 cross-connection violations.
- Performed oversight of 9,260 backflow preventers. These require annual testing and protect the culinary water systems from potentially harmful cross-connections.
- Added 442 new backflow preventer assemblies to inventory to be tracked for oversight.

» CONTINUED REGULATORY COMPLIANCE/SAMPLING

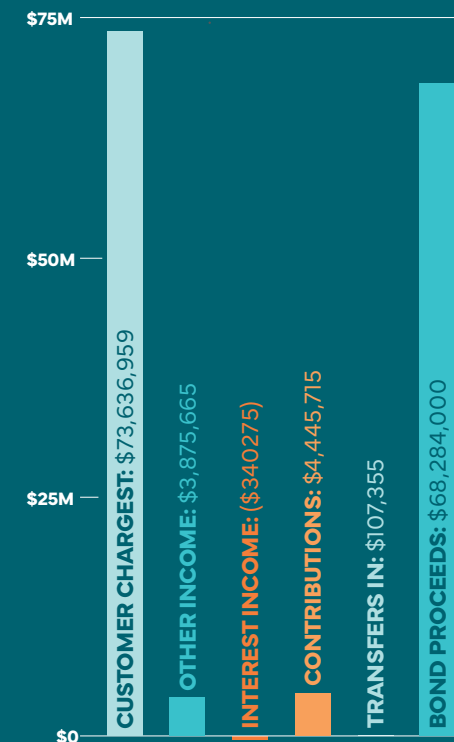
- In the process of completing a sequestration study that includes treatment for hardness.
- Met all drinking water standards and requirements.
- Had no significant issues or water quality events.



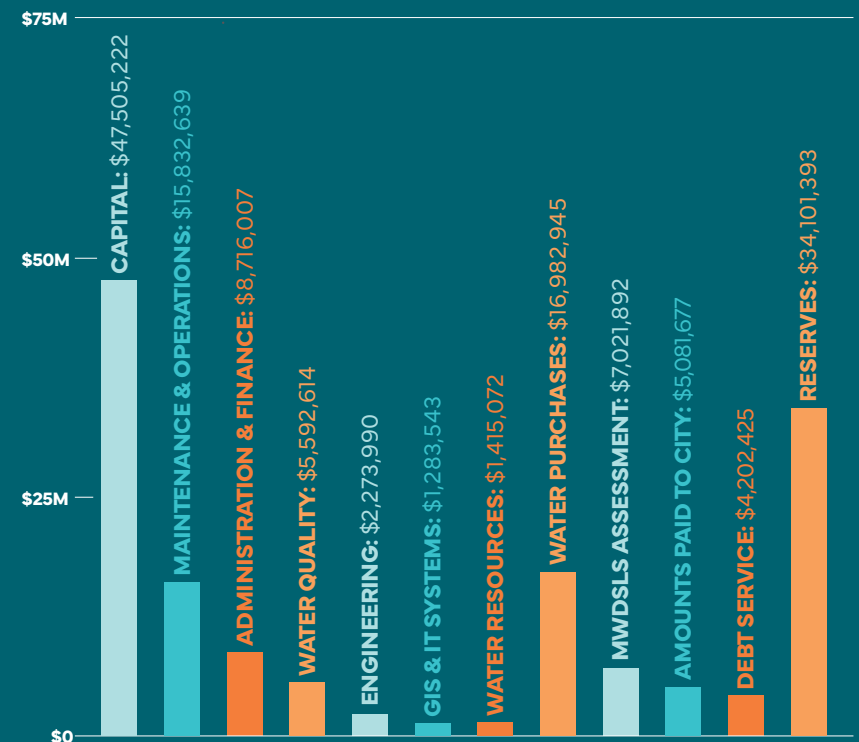
LEFT:
Influent Pump Station at the Water Reclamation Facility.

ABOVE:
The Water Conservation team performs an audit at Mountain Dell Golf Course.

WATER UTILITY REVENUES: \$150,009,419



WATER UTILITY EXPENDITURES: \$150,009,419



Wastewater and Water Reclamation

PRETREATMENT PROGRAM:

The overarching goals of the Public Utilities Wastewater Pretreatment program is to provide for the health, safety, and welfare of the community and city employees, the sanitary sewer system, and the environment. The Pretreatment program team has diligently worked to meet this goal and to make sure the City is compliant with all aspects of federal, state, and local regulations related to the discharge of commercial and industrial process wastewater into the sanitary sewer system. Our Pretreatment program helps businesses understand and provide evidence of compliance with pollution limits provided in the City's wastewater control ordinances (i.e., city code).

DURING THE PAST YEAR, THE PRETREATMENT PROGRAM HAS:

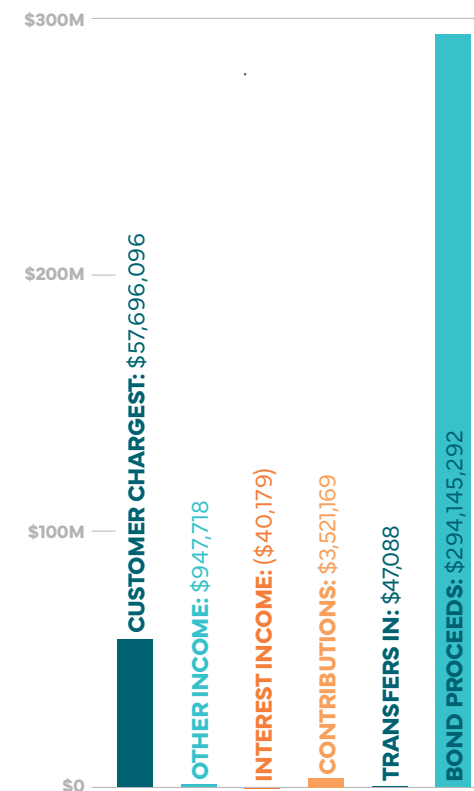
- » Worked with local commercial and industrial businesses to help them better understand how various pollutants within wastewater discharges impact the City and environment.
- » Monitored the wastewater discharge from hundreds of significant commercial, industrial, and manufacturing facilities.
- » Inspected more than 1600 food service establishments and other commercial businesses to discuss best practices to prevent fats, oils, grease, and other pollutants from entering the sanitary sewer system.
- » Responded to the illicit discharges of fats, oils, greases, and various chemicals and surfactants that caused blockages and other issues within the sanitary sewer collection and conveyance pipelines, to identify and eliminate the source.
- » Issued more than 550 noncompliance notices to commercial businesses and industrial facilities for violations of the City's wastewater control ordinances—including approximately \$350,000 in fines and various cost recovery.



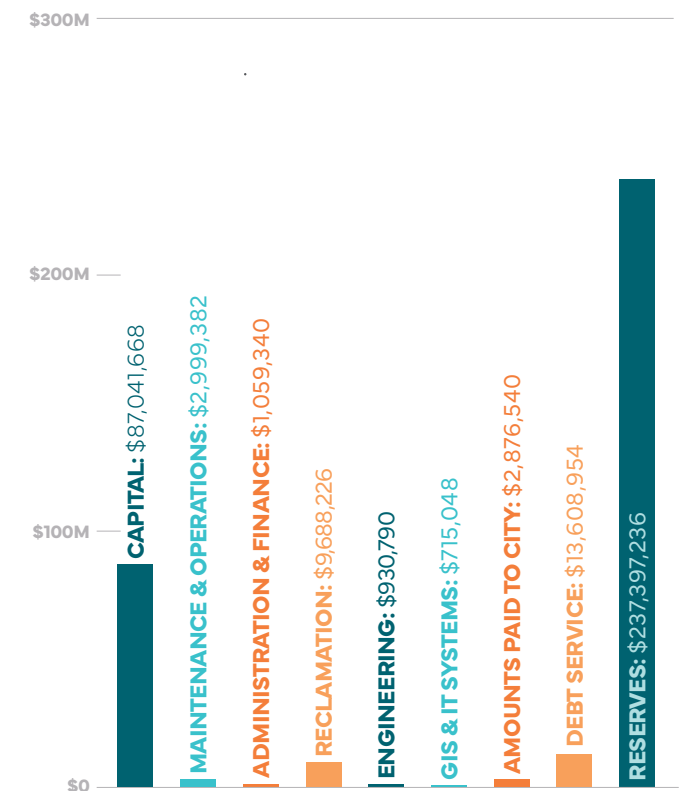
LEFT: Mechanical Dewatering Facility at the new Water Reclamation Facility.

OPPOSITE PAGE: The Water Reclamation Facility samples regularly.

WASTEWATER UTILITY REVENUES: \$356,317,184



WASTEWATER UTILITY EXPENDITURES: \$356,317,184



OPERATIONS AND MAINTENANCE:

The Salt Lake City Water Reclamation Facility (SLCWRF) Operations team is responsible for the operation of the various treatment processes that ensure our National Pollutant Discharge Elimination System (NPDES) permit follows State requirements. Maintenance supports these efforts by ensuring all elements of the facility are running smoothly.

DURING THE LAST YEAR, OPERATIONS AND MAINTENANCE HAS ACCOMPLISHED THE FOLLOWING:

- » The team addressed an emergency tactfully. After discovering a failure of one of the force mains, staff altered their schedules several times to arrive early in the morning (during low flows) to retrieve the gate and install a plug. With the filed force main plugged, normal flow was allowed to return to the plant, prior to an all-out bypass of the force mains. During the bypass, maintenance staff repaired all three force main isolation gates.
- » The SLCWRF Influent Pump Stations' main transfer pumps and motors were rebuilt. There are four of these 350 Hp pumps and motors that are critical for the wastewater flow into the main WRF facility.
- » The SLCWRF access gates were replaced. The north gate was replaced as it was showing signs of advanced wear. The new gate offers more robust security and less required maintenance. A second gate was also replaced; This was a change order to the main project, but ultimately financially beneficial.

Recipient of the NACWA Platinum Peak Performance Award for 28 years of 100% compliance

SLCWRF ADMINISTRATION:

As always, the SLCWRF Administration Office provided value to our customers, our community, and all Water Reclamation programs through timely communications, accurate reporting, and cheerful service.

A major success was the completion of the Energy Efficiency Program sponsored by Rocky Mountain Power and facilitated by administration personnel. The SLCWRF was able to save 348,693 kWh through installing Variable Frequency Drives on the primary sludge pumps, fixing compressed air leaks, adjusting the pump plant wet well setpoint, eliminating the need for recycled trickling filter flows, reducing grit pump run time, standardizing HVAC settings in all SLCWRF buildings, and installing energy efficient lightbulbs. This has increased employee awareness and cultural prioritization of energy efficiency in work routines, monthly energy savings on our electricity bills, and a \$29,497.14 rebate check from Rocky Mountain Power.

This team also provides technical assistance to the Pretreatment program. Some of the tasks performed are data entry, cross-checking Salt Lake City's master lists against various databases to ensure accuracy, uploading scans to SharePoint, processing incoming and outgoing mail, and preparation of sampling chemical reports. Through providing these and additional still-to-be-determined services to the Pretreatment program team, the Administration personnel are contributing to the effectiveness and efficiency of the Pretreatment program and eliminating the need for an additional part-time employee.

Safety Program

Safety is always a top priority at SLCDPU and our leadership is second to none. The Administration truly cares about its employees and gives us unwavering support — support that has been critical during COVID. At times, keeping everyone mentally healthy was difficult and the pandemic really took its toll on the department. Now, the Safety team is thrilled to be back to “normal” operations and looks forward to great things to come.

IN 2022:

- » The effects of COVID 19 protocols — modification of work procedures, securing and supplying additional personal protective equipment, and the need to plan for (and address) the attitudes/beliefs of some regarding the pandemic, and additional precautions, placed strain on the entire workforce. The Safety program's role was to provide and support the City's efforts in protecting the health and safety of employees and ensuring compliance with the pandemic protocols, which included:
 - Developing new/modified safe work procedures.
 - Ensuring the necessary supplies were in-stock and available for employee use.
- » Although challenging, we have been able to find/secure the necessary resources, including personnel, to resume in-person training.
- » Mark Maldonado joined Safety and has brought new insight and experience to the Department.

OVER THE UPCOMING YEAR:

- » With the integration of a new software platform, Workday, assigning and tracking completion of training will become easier.
- » Safety will continue to develop a New Employee Safety Orientation for the department.
- » Lists of required training by job titles/position will be developed to ensure new employees receive all necessary training.
- » The team will continue to support and instruct in the Citywide Supervisor Training program.
- » As more and more mobile devices are integrated into the workforce, we plan to leverage the technology, replacing hardcopy forms/inspections and their storage, with electronic inspections.
- » Current existing Standard Operating Policies and Procedures, that are in a variety of formats, are being reviewed and updated to a new format.

Stormwater

Our Stormwater team plays a critical role in reducing localized flooding and improving water quality in our streams and lakes. We work tirelessly to maintain an intricate storm drain system throughout Salt Lake City and educate the public on keeping toxic and hazardous materials from running into storm drains and harming our water.

2022 STORMWATER TEAM HIGHLIGHTS

15 lines

installed, totaling 100 feet, on the East side of Fairmont Park.

15 inch

line installed down Elizabeth St. to 2700 South, plus inlets and boxes for improved drainage.

80 feet

of corroded metal pipe repaired followed by new asphalt on 400 South and 400 West

1,457

construction sites inspected with 32 enforcement actions, totaling \$3,924 for non-compliance.

32

Inspected 32 industrial facilities for stormwater quality compliance.

48

Responses to reports of spills or illicit discharges in Salt Lake City.

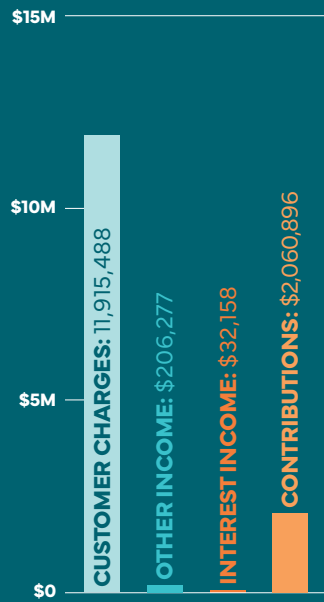
\$8,818^{.18}

costs recovered while responding to and overseeing remediation of illicit discharges charges to the storm sewer system.

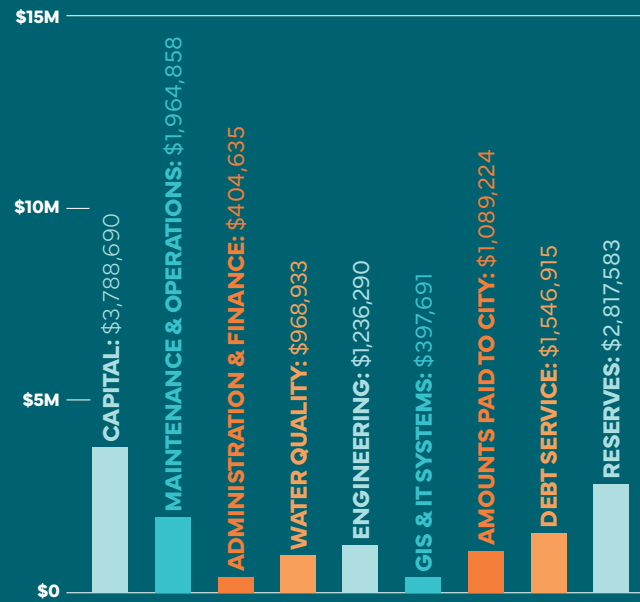
800

approximate number of guidance documents (Spanish and English) given to automotive businesses and restaurants.

STORMWATER UTILITY REVENUES: \$14,214,819



STORMWATER UTILITY EXPENDITURES: \$14,214,819



ADOPT A STORM DRAIN PROGRAM:

Storm drains can easily become clogged with plastic bottles, leaves, and more. This can lead to localized flooding, or pollution in local waterways (as drains lead directly to streams and rivers). The Adopt a Storm Drain Program allows volunteers to contribute to cleaner communities and healthier waterways by signing up to clean a storm drain of their choice. So far, the program has 45 volunteers and over 85 storm drains being monitored. Our team has received 42 reports of cleaning events, totaling 800 minutes of drain cleaning and 284 pounds of trash and debris collected.



ABOVE: Stormwater Compliance Specialist Matthew Hendrix helps to clear a storm drain in a Salt Lake City neighborhood.

LEFT: The Stormwater crew poses with a Vactor truck.

Water Conservation and Sustainability

Population growth, climate change, and even short-term weather fluctuations have an impact on our water supply. Our Water Conservation and Sustainability programs are critical in addressing those impacts. Partnering with the public is key to the success of Public Utilities' longtime conservation and sustainability efforts.

OVER THE PAST YEAR, OUR SUSTAINABILITY TEAM HAS:

- » Entered into a Voluntary Clean-Up Agreement with the Department of Environmental Quality for the Police Mutual Aid Association (PMAA) Gun Range site for lead remediation.
- » Worked with SLC Sustainability to create a Western Renewable Energy Generation Information System (WREGIS) sub-account for Public Utilities to allocate Renewable Energy Credits (RECs) to our department from our participation in Rocky Mountain Power energy conservation programs. We will be able to utilize those RECs in verification processes like Envision or Leadership in Environmental Design (LEED).
- » Been closely involved in sustainability planning for current and upcoming projects like the Big Cottonwood Water Treatment Plant Rebuild.

Our future projects include: finalizing our plan for additional site characterization for the PMAA site, getting the demolition estimate for the clubhouse at the PMAA site, and working with a consultant to prioritize sustainability efforts for the department.

OUR WATER RECLAMATION SUSTAINABILITY ACCOMPLISHMENTS TO DATE INCLUDE:

- » Preparing to register the New WRF with the Institute of Sustainable Infrastructure for Envision Verification.
- » Use of Recycled Material in Construction
 - 2,206,252 tons used
 - > Goal of at least 25% (Superior for Envision)
 - 53% of project material is recycled material
- » Reduction of Construction Waste
 - 2,306,647 tons diverted from the landfill
 - > Goal of 50% (Enhanced for Envision)
 - 99.99% of construction material recycled
- » Balancing Earthwork on Site — All excavated materials are reused within 25 miles of the WRF site
 - 22% of material reused onsite
 - 55% of material reused within 5 miles
 - 23% of material reused within 25 miles
- » The savings associated with the above numbers are over \$11M as of April.

CONSERVATION:

Salt Lake City used 2.9 billion gallons less (January 1, 2022 – October 9, 2022) this year as compared to the 3-year average. Two of those years were drought years and had strong use reductions, so this is truly a testament to the dedication of our team and residents.

In addition to promoting reduction of water usage by sharing conservation tips, Public Utilities joined efforts with Utah State University and the Turfgrass Water Conservation Alliance to create a special blend of grass seed that promotes water conservation. This seed includes two kinds of fescue and a drought-friendly bluegrass. The blend uses 30% less water than bluegrass and is the first program of its kind offered by a municipal water provider in the United States. 7,000 pounds of seed were sold in the first two months of the program, which is enough to cover 4,666 homes with a 1,500 square foot lawn!

75 « 3rd grade students hosted at our 900 South Constructed Wetlands site to learn about water conservation, stormwater, watersheds, and so much more.

1,068 « Rain barrels sold to date

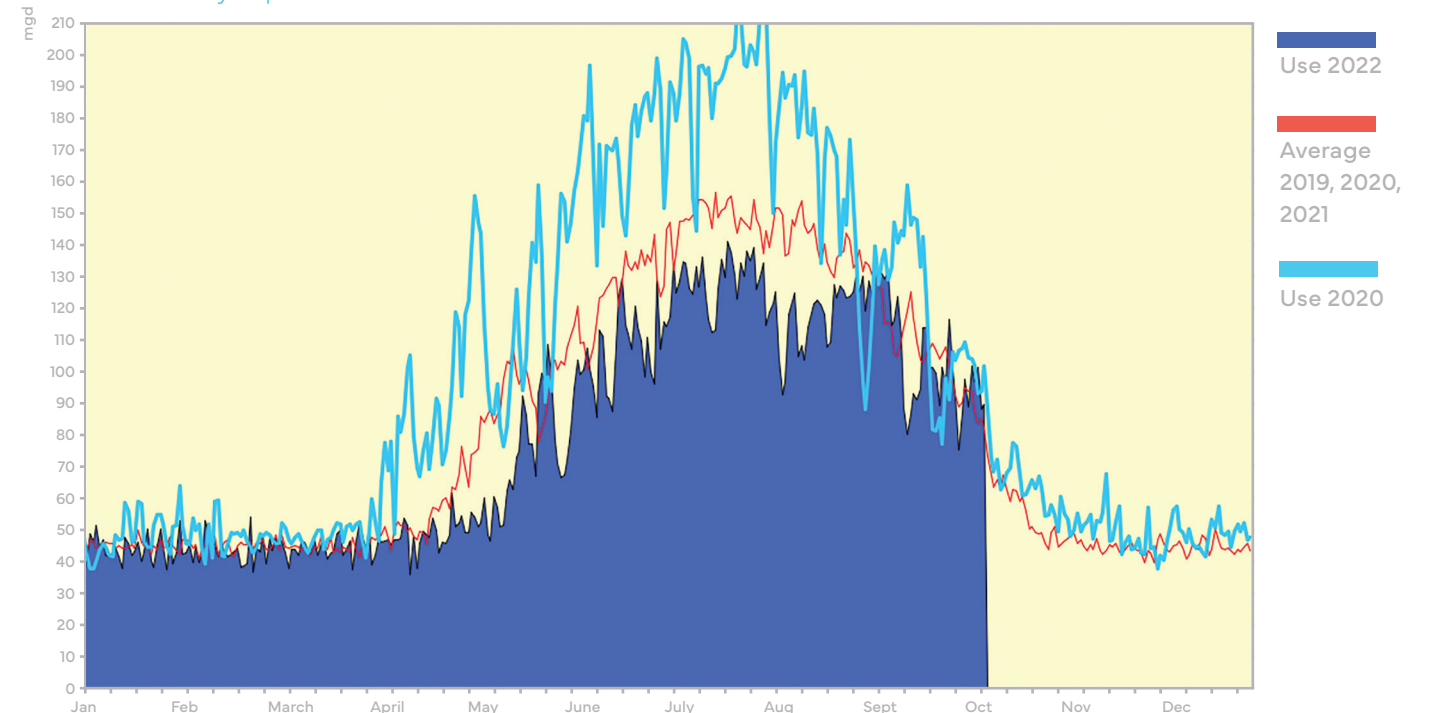
17 « Commercial audits



The Water Conservation team worked hard to launch a Turf Trade program during the summer.

DAILY WATER USE CALENDAR YEAR 2022

Salt Lake City Department of Public Utilities Service Area





CLOCKWISE FROM TOP LEFT:
 Mountain Dell construction site.
 Director Briefer and District
 Ranger Bekee Hotze work together
 at a press event in Lamb's Canyon.
 Crews worked on the Fort Douglas Tank.
 A foggy morning at the WRF.



CLOCKWISE FROM TOP:
 DPU crews hard at work.
 Mayor Erin Mendenhall
 thanks the WRF team for
 their continued hard work
 on this project. The Adopt
 a Storm Drain program
 asks volunteers to keep
 drains around the city
 clean. Building of the
 Mechanical Dewatering
 Facility at the WRF.

Watershed

The Wasatch Mountains are home to some of the cleanest source waters in the country, but climate change, population growth, and increased recreation can pose challenges to keeping it this way. Our lakes and streams in this watershed provide nearly 60% of the drinking water used in Salt Lake City and parts of Salt Lake County. The Watershed team is committed to protecting and managing the canyon's resources. Here are just a few projects the team has been working on over the past year to support this:

- » Partnering with Utah Department of Wildlife Resources, Sageland Collaborative, and Utah's Watershed Restoration Initiative, Watershed installed 18 Beaver Dam Analogs in Upper City Creek Canyon. This helps reduce erosion and turbidity and enhance riparian zone health.
- » Watershed welcomed three new Watershed Rangers and a new Watershed Operations Supervisor to the team. We also added a new position, Watershed Special Projects Coordinator, to focus on building and maintaining partnerships among canyon stakeholders (including US Forest Service) while improving water quality. Their combined experience brings new insights and a bright path forward.
- » Public Utilities continued work on an updated Watershed Management Plan. As new challenges evolve, including climate change, increased wildfires and explosive recreational use, the Plan will be adapted to incorporate new strategies for management and protection.
- » The team concentrated on wildfire mitigation, as Salt Lake City broke multiple heat records and battled the drought. Watershed continues to plan future fuel reduction projects with the assistance of the State of Utah and US Forest Service.

- » Watershed teamed up once again with Salt Lake County to battle invasive species in our protected watershed areas. The partnership allowed for private contractors, American Conservation Experience crews, and Public Utilities staff to treat invasive weeds on more than 180 acres of land.



LEFT:
Director Briefer speaks to media about a fire mitigation project in Parleys Canyon.

BELOW:
Watershed manages and protects reservoirs, like Little Dell, so that residents can enjoy them.



GIS / IT

The Geographic Information Systems/ Information Technology team is dedicated to supporting every Public Utilities work group with communications technology, maps, models, surveys, and more. This year, we have been busy providing the best support to our Public Utilities teams by creating more than 1,000 maps for contractors and developers. Despite the challenges that inflation and supply chain issues pose, our team has been resilient and creative. Replacements and upgrades within the system have been critical to progress.

Going forward, the team hopes to continue with this momentum and has many projects on the horizon. In the upcoming months, we will be upgrading our GIS to the most current software and Utility Network Model for all utilities and adding a technician to focus on the new lead and copper regulations.

IN 2022, GIS/IT FOCUSED ON:

- » Updating and improving the accuracy of our water GIS database in preparation to switch to the new ESRI Network Model.
- » Using our new drone to capture 3D images of Mountain Dell Dam, which can be used for yearly comparisons of all dams.
- » Finishing the installation of our new phone system, that allows for better virtual meetings and connections.
- » Working with the Lead and Copper Program to create an inventory of service materials.

Customer Service

The Customer Service team is dedicated to making the customer experience as pleasant and convenient as possible. In 2022, we focused on the launch of the Customer Portal. It allows customers to manage and monitor their water usage online. Valuable information is conveyed through colorful charts and graphs, making the system extremely user-friendly.

THE CUSTOMER PORTAL HAS BEEN SUPPORTIVE OF CONSERVATION INITIATIVES DURING THE DROUGHT BY ALLOWING CUSTOMERS TO:

- » Implement a billing cycle threshold
- » Set notifications and alerts
- » Compare current usage to past usage
- » Easily identify leaks

In the upcoming months, Customer Service hopes to continue creating more helpful online services for our community, like the Customer Portal. Additionally, our goals include keeping lost calls below 9% and reducing the carbon footprint by 50% by using alternative means for collections.

Finance and Metering Technologies

Our Finance and Accounting Team is responsible for all financial functions for Public Utilities' four enterprise funds: Water, Wastewater, Stormwater, and Street Lights. Each fund reports its own complete set of financial statements. We are committed to financial accuracy, transparency, and the highest professional accounting standards.

IN 2022, FINANCE FOCUSED ON:

- » Participated in the City's efforts for the new enterprise resource planning.
 - Phase 1 — two finance team members served as Change Champions for the Workday project.
 - Coordinated Phase 1 training for employees, supervisors, and management for Public Utilities.
 - Phase 2 — participated in meetings and workgroups for various workstreams for the Phase 2 financial implementation. This included planning, architect and unit testing sessions for financials, budget, banking and settlement, customer accounts, supplier invoices, grants, business assets and projects.
- » Refined the financial forecasting processes.
- » Implemented automation of certain internal prour Finance team: timeliness.
- » Expanded collaboration with City finance on internal transfers and impact fee reporting.
- » Issued the \$329,025,000 Series 2022 revenue bond for water and sewer; maintained bond ratings (Standard & Poor's AAA and Moody's Aa1).

Our future goals include: maintaining bond ratings, fully staffing finance, and enhancing cross training succession planning for key positions in the group.

The Metering Technology group is tasked with the repair, replacement, and maintenance of 80,000 small meters throughout our service area. Meter reads for the entire system (88,000 meters) are done monthly through manual reading, drive by, and AMI technology. The group also performs new service installation and certificate of occupancy inspections for small meters.

OVER THE PAST YEAR, THE METERING TECHNOLOGIES TEAM HAS:

- » Upgraded our AMI tower reading system to accommodate the ALLY meter. This type of meter can be controlled from the office, measuring water pressure and temperature.
- » Initiated a Pressure Profile program, a joint effort with water distribution. The program will build a pressure profile model of our distribution system, allowing early detection of pressure spikes while tracking pressure throughout our system using water meters and pressure regulators sensors. Poor's AAA and Moody's Aa1).

To date, Metering Technologies has installed 50,000 AMI meters. In the future, SLCDPU looks forward to resuming the Small Meter Change Out program, instituting a Large Meter Change Out program, and completing and utilizing the Pressure Profile program.

Capital Improvement

Public Utilities' Capital Improvement program has accomplished a lot over the past year. Despite many challenges, including retirements and construction escalation, the team continues to operate in the most efficient and effective way possible.

IN 2022:

- » The Department was awarded a \$36.68M federal grant to facilitate the City Creek Water Treatment Plant reconstruction.
- » The State Street Water and Sewer Main Replacement project was a high-profile project that required the closure of State Street between North Temple and 300 N and was completed ahead of schedule.
- » An operating permit was obtained for the Capital Hills Pump Station.
- » The Upper Conduit Rehabilitation project included the rehabilitation of the existing 48-inch aqueduct with an internal 42-inch HDPE pipe, located at the mouth of Parleys Canyon.
- » The Water Master Plan Study included the master planning of the entire water distribution master plan.
- » The Sugar House Stormwater Master Plan will provide the basis for stormwater management and stormwater quality management within the Sugarhouse area.

OUR GOALS INCLUDE:

- » Starting construction on the City Creek Water Treatment Plant.
- » Continuing construction on the new Water Reclamation Facility which is expected to be finished in 2025.
- » Continuing the design and phased construction of the Big Cottonwood Water Treatment Plant rebuild project.



Mountain Dell Dam Rehabilitation

Public Utilities Administration

IN 2022 ADMINISTRATION:

- » Welcomed Holly Lopez as Policy and Public Affairs Director, Jeff Grimsdell as Operations and Maintenance Superintendent, and Chloe Morrone as Communications and Engagement Manager.
- » Received a \$36.68-million grant for City Creek Water Treatment Plant upgrades through the Federal Emergency Management Agency (FEMA) Building Resilient Infrastructure and Communities (BRIC) Fund, and a \$2-million grant for the Granary District Floodplain Mitigation and Re-Mapping project through the American Rescue Plan Act (ARPA). The ARPA grant will be combined with a \$2 million grant from the City's General Fund ARPA share for the project.
- » Continued to lead the department and advised the Mayor and City Council in addressing the multi-year drought and water conservation efforts, resulting in a savings of more than 2.9 billion gallons of water across the service area this year. Although the conservation greatly helped sustain water supplies, there is a decrease in revenue. As a result, the Administration will monitor revenue and expenditures very closely over the next year.
- » Participated in numerous statewide policy development concerning the protection of Great Salt Lake.
- » Emphasized increased public engagement efforts in rolling out new initiatives and in response to external events, while ensuring material is translatable and accessible to the communities we serve.
- » Completed Phase I of a Financial Capability Study, which further improves our understanding of the affordability of services and the impacts of charges on the range of demographic groups within the SLCDPU customer base.
- » The new Streetlighting Master Plan was adopted by the City Council, which represents a significant shift in how the City utilizes streetlights while balancing multiple values, including Safety,

Character, Responsibility to public health, and the environment (including Dark Skies), and Equity using a series of plan guideposts.

GOALS:

- » Continue to be a leader as a sustainable and resilient utility.
- » Continue to address succession planning and professional development for our dedicated SLCDPU team.
- » Finalize SLCDPU Diversity, Equity, and Inclusivity Action Plan, which will serve as a roadmap for our vision to advance diversity, inclusivity, accessibility, and equity internally within SLCDPU and within the communities we serve.
- » Incorporate opportunities to address environmental justice and social justice issues through thoughtful planning, decision making, and project implementation.
- » Develop a funding strategy to address aging infrastructure, including pursuing grants and principal forgiveness opportunities.
- » Conduct a rate study for our Water, Sewer, and Stormwater utilities, and a rate study for our Streetlighting utility.
- » Implement initiatives to create more resiliency internally with our SLCDPU team and the systems we manage. This effort includes protecting the natural infrastructure of Great Salt Lake and our Wasatch Mountain watershed.
- » Continue to protect the City's water rights in state-led water rights adjudication. We have some of the oldest water rights in Utah, and our water resources and legal teams have been working hard to ensure our documentation and participation in the adjudication are right on track.
- » Complete the comprehensive update to our Watershed Management Plan, which provides guidance to formulate policies, programs, and implementation to protect our culinary water resources.

Street Lighting

Our goal in Street Lighting is to support safety, responsibility, and equity through our projects. In fact, in cooperation with Rocky Mountain Power, we have reduced our power bill at SLCDPU by 70% in the last nine years and will continue to do so.

IN 2022, THE STREET LIGHTING TEAM:

- » Worked with the community and partners on the challenging task of developing a ground-breaking Master Plan.
- » Met with many manufacturers and vendors to prepare for implementation and the requirement of lights that are not yet widely available.
- » The Street Lighting Master Plan was adopted by City Council. Public Utilities is thrilled to be an example of progress and innovation.

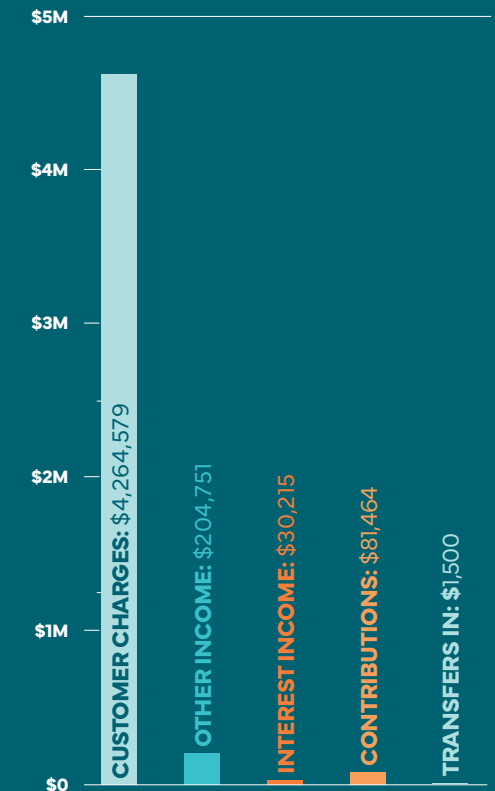
With the support of the International Dark Sky Association, the authority on light pollution, the team looks forward to lessening the environmental impact through new measures. Each streetlight has a specific purpose and is no brighter than necessary. Lights will be directed where needed and used sparingly.

Implementation also requires the hiring of more employees to provide better service and assist in converting all our lights to energy efficient ones. As of 2022, Public Utilities has retrofitted 70% of lights with energy efficient technology and we look forward to increasing this number.

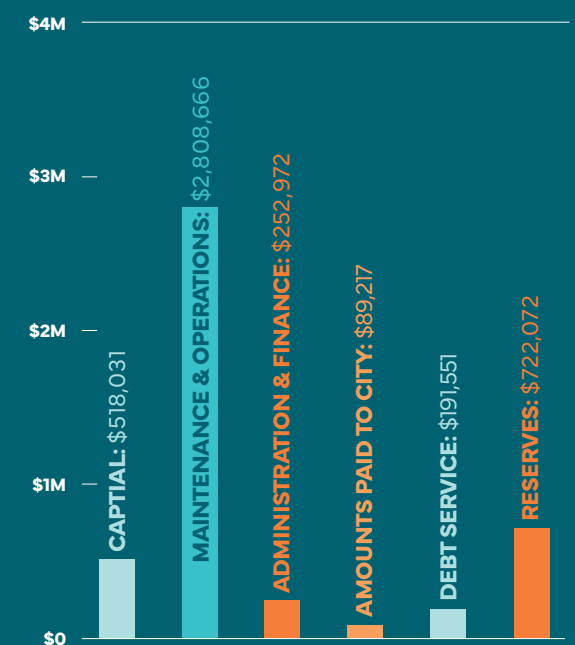
WORTH NOTING:

Public streetlights in the public right of way are one part of a bigger picture that impacts night skies. Therefore, Salt Lake City has embarked on a coordinated, interdepartmental "Dark Sky" Workgroup led by Public Utilities. The goal is to incorporate elements of the Streetlighting Master Plan and International Dark Sky guidelines into other lighting, while identifying ways to reduce light pollution on private property.

STREET LIGHTING UTILITY REVENUES: \$4,582,509



STREET LIGHTING UTILITY EXPENDITURES: \$4,582,509



Development Services

Development Services has several responsibilities that directly impact the department and its interactions with the public, including permitting, property management, records management, and standards/policy development. This division consists of contract technicians, review engineers, records specialists, and property managers who work together to administer federal, state, and city regulations; codes ordinance; and SLCDPU's standards for water, sewer, storm drain, and street lighting.

Development Services also serves as liaison to multiple City departments and other municipalities and jurisdictions for planning, permitting, and development coordination. Team members coordinate with Millcreek, Cottonwood Heights, and Holladay, among others, to ensure all standards of development are being met for projects that impact the City's public water system and protected watershed.

Development has increased in the City and surrounding water service area in Salt Lake County across all development types — residential, commercial, industrial, and institutional/schools. Development Services continues to grow and adapt to meet the needs of the development process and the community.

Records Management

The Records Management group is responsible for all scanning, indexing, and filing records for the department, including all new and historical information housed at SLCDPU.

» **SCANNED RECORDS: 30,810**



Construction and development activity in Downtown Salt Lake City

DEVELOPMENT SERVICES BY THE NUMBERS

1,345

Permit Reviews

1,390

Private Utility/
Fiber reviews

58

New Development
Water Mains
(23,353 linear feet)

6

New Development
Sewer Mains
(4,796 linear feet)

18

New Development
Storm Drains
Mains or Swales
(21,831 linear feet)

185

Demolition
Permits

2,521

Total PUT
Permits Created

23,027

Phone calls to
Development Services

2,434

Walk in
customers

42

New
Hydrants

134

Fire Petitions
Issued

2,731

Work orders generated
by Development Services

1,834

Sewer Lateral
(New, Repair,
Replacement)

617

Water Service

14

Water Hydrant
and Main

38

Storm Drain

212

Sewer Manhole

Property Management

The Property Management group is responsible for purchasing property, procurement of easements, issuing land use and water agreements to facilitate critical infrastructure projects, and purchasing watershed lands for protection of water quality in our system. Our team's role also includes management of existing lands for all facilities utilized to provide water, sewer, stormwater, and street lighting service.

SIGNIFICANT PROJECTS:

ASTRA TOWER (Kensington Development)

The Development Services team played a key role in the review and approval of the Astra Tower that will become Salt Lake City's tallest building when completed in 2024 at 450 feet and 40 stories tall. Located at the intersection of State Street and 200 South, the building will provide 372 units of housing with three floors of amenities, including a terrace, gourmet kitchen, lounge, outdoor deck, urban park, pools, spa, and a state-of-the-art fitness center. The developer has committed to including several design elements that meet strict environmental standards. Along with the building permit, the project was required to upgrade the water main in 200 South from Main Street to State Street, upgrade the sewer main in 200 South from the property to 200 East, and add a new public storm drain along the project's frontage in 200 South. Additionally, the project design team submitted a Basis of Design report that analyzed the development's impact on downstream sewer infrastructure. This Basis of Design will be used by SLCDPU for planning of future improvements to the public sewer system.



COUNTY PROJECTS



SLCDPU provides water service beyond the City's boundaries. Additionally, there are significant areas of protected watershed that are managed by SLCDPU. Millcreek City is working on multiple projects that will make up a new community center with a splash pad, ice skating, food vendors, multi-family housing, parks, restaurants, and a new City Hall. Development Services has been involved from the beginning stages of this project and we look forward to continued coordination. The project is currently working on plans to upsize the water main in Chambers Avenue for the new City Hall, but also to encourage more development.

Communications and Public Engagement

Over the past year, the Communications and Public Engagement team has focused on increasing community involvement and keeping residents informed regarding Public Utilities projects. This goal has been achieved through social media outreach plans, mailing materials, hosting open houses, news coverage, and more. The numbers speak for themselves!

MAIL:

- » Rate mailers sent to all accounts
- » 13,102 — Water Reclamation Facility Construction Flyers

EVENTS:

- » Watershed Management Plan Stakeholder Committee Meetings (4) — 138 attendees
- » Watershed Management Plan Open Houses (2) — 73 attendees
- » Avenues Street Fair — 400 visitors

INSTAGRAM:

- » Accounts engaged is up 94.1% in the last 90 days
- » Content Interactions up 78.4% in the last 90 days
- » Story interactions up 39.5% in the last 90 days

TWITTER:

- » 9,056 Profile Visits in Aug.
- » Averaging 8,097 Profile Visits/Month in Q2
- » 49K Impressions (May '22)
- » 1,791 Followers as of 9/20/2022

2022 SLCPU Retirees

Public Utilities would like to thank all retirees for their years of dedication, determination, and hard work.

We would like to highlight one standout retiree, Randy Bullough. He started as an Emergency Man (referred to today as an Emergency Operator), then became a County Water Distribution System Operator, then a City Water Distribution System Operator. He eventually moved on to become a Water Operations Supervisor and from there became the Water Distribution System Manager. After 38 years, he retired as the Operations and Maintenance Superintendent.

Randy's input was instrumental in modernizing and streamlining the insulated work wear and safety boot programs. He also believed in giving the worker a voice in their own safety and supported the Public



Utilities Safety Committee from its inception. Randy was an advocate for a better work environment for everyone regardless of the division. We miss Randy terribly but certainly hope he enjoys his well-deserved retirement.

Salt Lake City Department of Public Utilities

ADMINISTRATION

- » **Laura Briefer**, MPA
Director
- » **Jesse Stewart**, PG
Deputy Director
- » **Marian Rice**, Ph.D.
Deputy Director
- » **Lisa Tarufelli**, MBA
Finance Administrator
- » **Teresa Gray**, LEHS
Water Quality and
Treatment Administrator
- » **Jason Brown**, PE
Chief Engineer
- » **Jeff Grimsdell**
Operations and
Maintenance Superintendent
- » **Jamey West**
Water Reclamation
Facility Administrator
- » **Tamara Wambeam**, GISP
GIS and IT Administrator
- » **Chloe Morrioni**
Communications and
Public Engagement Manager

SALT LAKE CITY ADMINISTRATION

- » **Erin Mendenhall** • Mayor
- » **Rachel Otto** • Chief of Staff
- » **Lindsey Nikola**
Deputy Chief of Staff
- » **Lisa Shaffer**
Chief Administrative Officer
- » **Katherine Lewis** • City Attorney
- » **Mark Kittrell** • Deputy City
Attorney
- » **Cindy Lou Trishman**, NMC/CRM
City Recorder
- » **Marina Scott** • City Treasurer

SALT LAKE CITY COUNCIL

- » **Victoria Petro-Eschler** • District 1
- » **Alejandro Puy** • District 2
- » **Christopher Wharton** • District 3
- » **Ana Valdemoros** • District 4
- » **Darin Mano** • District 5
- » **Dan Dugan** • District 6
- » **Amy Fowler** • District 7

Public Utilities Advisory Committee

The Public Utilities Advisory Committee (PUAC) meets monthly to provide guidance and oversight on departmental operations and budget, rate schedules, legislative issues, and policy decisions. Members serve as volunteers for four-year terms. Representing SLCDPU rate payers across our service area, PUAC members are nominated by the Department Director and appointed by the Mayor and City Council. We thank the 2022 PUAC for their service and dedication. PUAC meetings are open to the public.



Roger Player
Chair



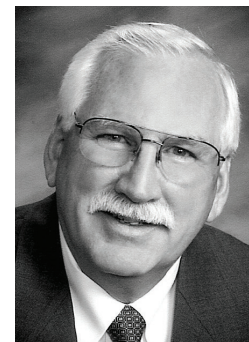
Dani Cepernich
Vice Chair



Kathryn Floor



Kent Moore



Tom Godfrey



Alexander Lovell



Ted Boyer



Ted Wilson



Lynn Hemingway

SLC Water / Sewer / Stormwater / Street Lighting Utilities

(Enterprise Funds of Salt Lake City Corporation)

COMBINED STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

June 30, 2022 (with comparative information for 2021)

	Water Utility	Sewer Utility	Stormwater Utility	Street Lighting Utility	COMBINED	
					2022	2021
OPERATING REVENUES						
Water sales	\$73,636,959	\$-	\$-	\$-	\$73,636,959	\$83,177,848
Charges for sewer services	-	57,696,096	-	-	57,696,096	50,708,746
Stormwater fees	-	-	11,915,488	-	11,915,488	10,696,303
Streetlighting fees	-	-	-	4,264,579	4,264,579	4,230,395
Other	3,720,435	753,160	206,277	204,751	4,884,623	4,757,047
Total operating revenues	77,357,394	58,449,256	12,121,765	4,469,330	152,397,745	153,570,339
OPERATING EXPENSES						
Cost of sales and services	50,840,410	14,508,834	4,657,434	3,335,312	73,341,990	70,823,559
General and administrative	8,019,564	3,255,149	1,284,198	245,685	12,804,596	17,394,889
Depreciation	9,637,645	8,678,206	3,070,336	695,257	22,081,444	20,987,238
Total operating expenses	69,458,360	24,920,595	8,652,885	4,257,861	107,289,701	109,205,686
OPERATING INCOME (LOSS)	8,859,775	32,007,067	3,109,797	193,076	44,169,715	44,364,653
NON-OPERATING REVENUE (EXPENSE)						
Interest and financial charges	(2,633,820)	(7,012,461)	(530,941)	(82,987)	(10,260,209)	(8,932,886)
Investment income, net	(340,275)	(40,179)	32,158	30,215	(318,081)	1,240,824
Gain on disposition of property and equipment	155,230	194,558	-	-	349,788	733,946
Net nonoperating expense	(2,818,865)	(6,858,082)	(498,783)	(52,772)	(10,228,502)	(6,958,116)
Transfers in	107,355	47,088	-	-	154,443	846,809
Capital contributions and grants	4,445,715	3,521,169	2,060,896	81,464	10,109,244	13,672,656
CHANGES IN NET POSITION	10,593,980	28,717,242	4,671,910	221,768	44,204,900	51,926,002
NET POSITION						
Beginning of the year	453,861,983	295,807,281	116,728,319	12,386,931	878,784,514	826,858,512
End of the year	\$464,455,963	\$324,524,523	\$121,400,229	\$12,608,699	\$922,989,414	\$878,784,514



Public
Utilities

1530 South West Temple
Salt Lake City, Utah 84115

slc.gov/utilities

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