

Public Works & Mobility Department FY 23 Budget Presentation

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Mission Statement

Public Works & Mobility's mission is to promote a safe, healthy Missoula through the development of transportation and mobility networks and the efficient delivery of high-quality public infrastructure, utilities, and services.



Strategic Compass

Guiding Principles

- We believe we're better when we share a strategic compass to help us all pull in the same direction.
- We believe that everyone in our department contributes to our strategic direction.
- We believe we can collaborate and be decisive at the same time.
- We believe following up on action items means being accountable.

INTEGRATED PLANNING

UTILIZING THE OUR MISSOULA GROWTH POLICY AND OTHER ADOPTED PLANS AND INITIATIVES, DEVELOP A 3-5 YEAR STRATEGIC PLAN.

PEOPLE-FOCUSED OUTCOMES

CREATE CLEAR
PERFORMANCE INDICATORS
FOR KEY CITY SERVICES
AND NEW INITIATIVES.
COMMUNICATE PROGRESS
CLEARLY AND FREQUENTLY.

ENGAGEMENT

ENSURE EVERYONE HAS ACCESS TO MAKE MEANINGFUL CONTRIBUTIONS TO CITY ISSUES IMPACTING THEIR EVERYDAY LIFE.

INTENTIONAL INVESTMENT

STRATEGICALLY ALLOCATE
CITY RESOURCES TO KEY
SERVICES AND INITIATIVES
THAT ACHIEVE THE GOALS
OUTLINED IN THE
STRATEGIC PLAN.

TARGETED IMPLEMENTATION

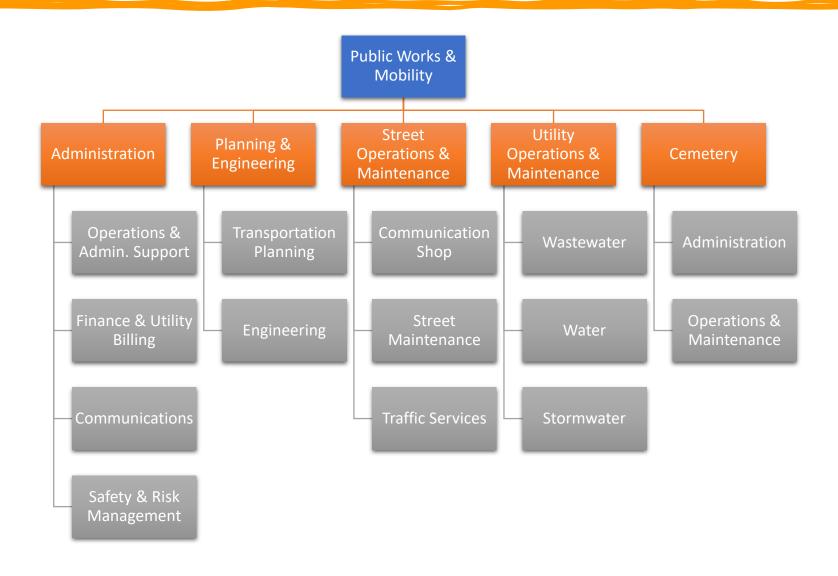
DEVELOP ANNUAL DEPARTMENTAL ACTION PLANS THAT HELP US ACHIEVE OUR STATED STRATEGIC PLAN GOALS.

Strategic Goals

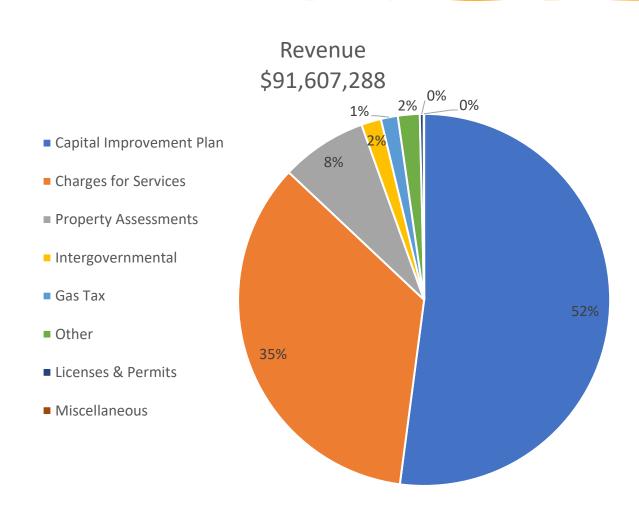
- Operational Excellence
- Access to Quality Housing
- Community Safety & Wellness
- Built & Natural Environment



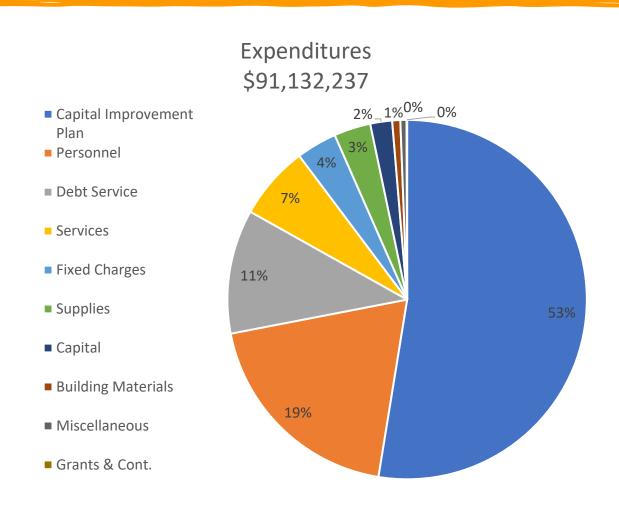
Organization



Department Budget



Department Budget



Purpose

- Provide support,
 business and financial
 management,
 communication, safety
 and risk management
 services to the Public Works
 & Mobility Department.
- Ensure our internal and external customers receive high-quality service.



Key Facts & Metrics



18 Staff Members



Supports 5 Divisions, 170 Employees, 5 Office Locations



Provides Customer Service for about 27,000 Utility Customers



Staffs 5 Public Boards and Committees

FY22 Highlights

Project or Goal Status	
Complete	/
Moving forward/on-track	454
Moving forward but at risk for delay	र्ड
Significant risk of not moving forward	A

Improve customer service	35
Improve public outreach	15 4
Improve recruitment, retention & transition planning	Æ
Address future space needs	A
Address equity issues	454
Focus on safety & risk management	454
Provide value for our customers (Missoula residents)	~

FY23 Goals

- Build engineering capacity
- Increase training on software, policy, and process
- Improve project communication process
- Improve financial decision-making metrics
- Explore infrastructure incentives for affordable housing
- Perform emergency response risk assessments

Purpose

Plan, implement, and support public and private infrastructure development that advances City strategic goals.



Key Facts & Metrics



19 water main/tank projects underway



5% annual increase in bike & ped traffic across the primary commuter network (2019 - 2021)



8% reduction in serious & fatal injuries (5-year average) from crashes



Record number of building permits issued in FY22 985 future dwelling units reviewed and approved in new subdivisions



1,000 solar panels under construction at the Wastewater Resource Recovery Facility

FY 22 Highlights

Add Assistant Transportation Planner	/
Implement Neighborhood Traffic Management Program (deployed 25 quick-build safety projects to date)	~
Develop draft concepts for Higgins Avenue Corridor Plan	/
Create Transportation Options Action Plan	**
Improve Capital Improvement Program (CIP) process	**
Improve process for development plan review	**
Obtain \$17.2 million in ARPA grants and over \$20 million in SRF loans for Utility CIP projects	15

FY 23 Goals

- Prepare for code reform
- Integrate engineering plan review and permitting process
- Implement development map tool
- Write and manage Federal grants
- Prepare plans for shovel ready projects
- Improve mapping accuracy and record keeping for utilities
- Expand public engagement/project development process

Transportation Planning

New Requests

Non-Union Wage Increases & Non-Union Pay Plan Implementation

Personnel adjustments

Request: \$8,863
Ongoing Cost
Special Revenue Fund

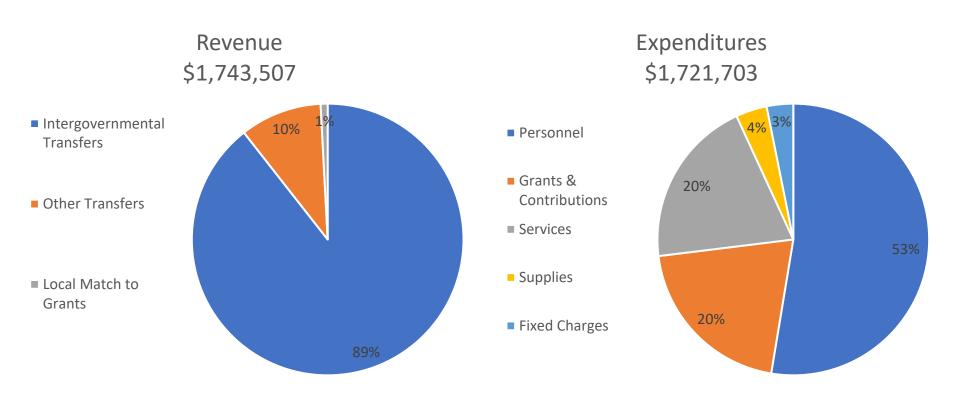
Approved, Funded





Transportation Planning

Budget



Engineering

New Requests

Baseline Increases

To adjust for inflation and for shared building maintenance costs

Request: \$5,870
Ongoing Cost

Road District #1

Approved, Funded

Engineering Plans Examiner & Inspector — **1 FTE**

To be better staffed when TDS Telecom starts their 300-mile underground fiberoptic cable project

Vehicle Request: \$40,000

One-Time Cost

Road District #1 Capital Lease

Approved, Funded

Request: \$81,700

Ongoing Cost
Road District #1

Future Budget Amendment

Surface Engineer – 1 FTE

To position the department to effectively manage federal grant opportunities

Request: \$110,909

Ongoing Cost Road District #1 Grants

Future Budget Amendment

Purpose

- Ensure the City's public streets, alleys, bike lanes, lighting, signals, and signs are well maintained so that they provide safe travel routes for all users.
- Ensure these public assets are managed for maximum longevity.



Key Facts & Metrics



Milled & paved 3.8 miles & chip sealed 14.4 miles of city streets Applied 94 miles of street striping



Performed snowplowing, street sweeping, leaf collection, and street pavement maintenance on 284 miles of streets and 65.2 miles of alleys



Maintained & tested 11 City-owned and 62 MDT-owned traffic signals



8,346 potholes patched



Installed electronics & safety equipment on 16 Police vehicles

FY 22 Highlights

Complete 3 rectangular rapid-flashing beacon (RRFB) upgrades	/
Install 74 LED streetlights to complete conversion project	/
Purchase signal detection upgrade equipment	454
Purchase & install equipment for Radio Project Phase 1	/
Install 12 NTMP quick-build traffic circles and 3 intersection bulb-outs	/
Complete maintenance projects on Higgins, Schilling, Alder, Mount, and Lincoln Hills	~
Lease sweeper with CMAQ funding	A
Add bike lanes to comply with the City's Complete Streets Policy	454

FY 23 Goals

- Increase special project revenue
- Re-evaluate maintenance priorities based on current budget and staffing
- Establish Road District fund reserve
- Increase use of recycled materials
- Identify locations for material storage
- Purchase new sweepers

New Requests

Baseline Increases

Inflationary adjustments based on known increasing costs

Request: \$218,024

Ongoing Cost Road District #1

Approved, Funded

Street Maintenance: Street Sweeper

Using previouslyapproved funds from lease for required grant match for purchase

Request: \$13,038

One-Time Cost Road District #1

Approved, Funded

Communication Shop: Electronics Technician – 1 FTE

Training up staff and knowledge transfer for future retirement

Request: \$85,900

Ongoing Cost Road District #1

Not Approved, Not

Funded

New Requests

Street Maintenance: 6 FTEs and Equipment

Six new FTEs for street sweeping, snowplowing, crack sealing, asphalt maintenance, concrete jobs, and sump projects to help maintain local street asphalt conditions and to keep up with increasing centerline miles. Three additional snowplows and granular deicers will need to be added to existing fleet trucks to accommodate new staff.

Request: \$223,500

One-Time Cost

Road District #1

Request: \$723,720

Ongoing Cost

Road District #1

Not Approved, Not Funded

New Requests

Traffic Services: Toro Cat Tool

Replace inadequate sidewalk snow removal equipment

Request: \$65,000 One-Time Cost

Road District #1 Capital

Lease

Approved, Funded

Street Maintenance: Pickup Plow Sander

Purchase and install new sander

Request: \$6,500

One-Time Cost

Road District #1

Approved, Funded

Street Maintenance: Loader-Mounted

Replace old Oshkosh snowblower

Request: \$180,000

One-Time Cost

Snowblower

Road District #1 Capital

Lease

Approved, Funded

Road District #1*

New Requests

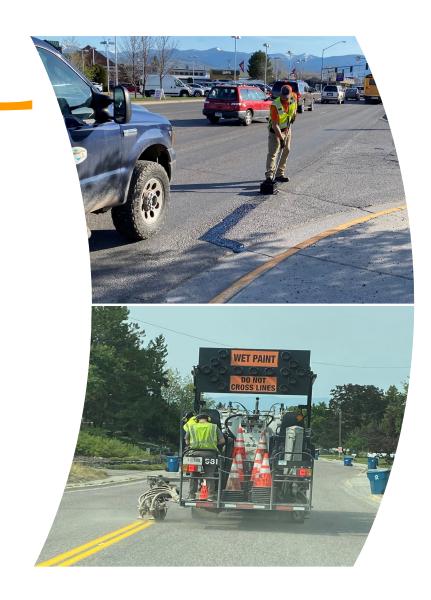
Non-Union Wage Increases, Career Ladder Compensation Adjustments, Non-Union Pay Plan Implementation

Personnel adjustments

Request: \$56,909

Ongoing Cost
Road District #1

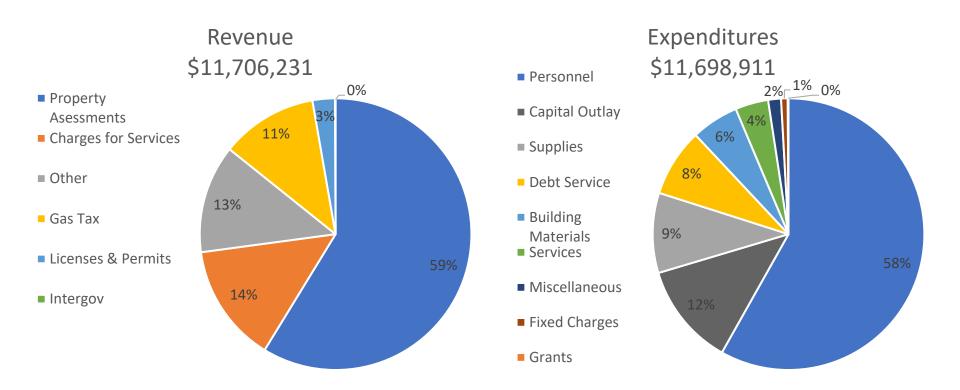
Approved, Funded



^{*}Includes Administration, Engineering, and Streets Maintenance

Road District #1*

Budget



^{*}Includes Administration, Engineering, and Streets Maintenance

Questions



Utility Operations & Maintenance



Purpose

Protect the health and safety of the Missoula community by providing safe, clean drinking water and providing water needed for fire protection and irrigation.



Key Facts & Metrics



Maintains 340 miles of mains, 40 wells, 25 storage facilities, 22 booster stations, 36 pressure reducing stations



Produced 9.3 billion gallons of water, meeting all drinking water standards in FY22



Conducted 3,200 hydrant inspections and operated 1,100 valves in FY22



Replaced 2,800 water meters in FY22



Collected over 1,500 voluntary Bacti samples at our wells to ensure safe water, in addition to thousands of analyses required by EPA and DEQ

FY 22 Highlights

Implemented new Utilis satellite-based leak detection technology	/
Obtained ARPA and SRF funds to install 2,800 meter replacements, 16 water main replacements projects, and 3 water tank projects	~
Replaced 1,000 LF of water main with an addition 7,800 LF of water main replacements in progress.	**
Installation of 7,200 LF of water main extensions in construction associated with Mullan BUILD project	154
Completed Federal water quality sampling compliance requirements with no violations	~
Continued maintaining and evaluating the Rattlesnake Wilderness Dams	454

FY 23 Goals

- Expand leak detection and repairs
 - Utilis SAR Leak Survey follow-up leak investigations
 - Leak Investigation Specialist
- Increase Water Service Line Loan Fund
- Complete a water service line inventory to identify lead service lines per EPA requirements
- Upgrade SCADA control system
- Develop plan for Airport well with Missoula Electric Cooperative's 98% renewable power portfolio
- Decommission McKinley Lake wilderness dam

New Requests

SCADA Control System Upgrade

The current version will stop being supported with patches and upgrades. Request includes HDR contract & server hardware.

Request: \$194,400
One-Time Cost
Water Enterprise Fund
Approved, Funded

Utility Locator – 1 FTE

To ensure state statute locating requirements will be met. Total cost (\$75,675) shared with Wastewater utility.

Request: \$37,838

Ongoing Cost Road District #1 from permit revenue

Future Budget
Amendment

Leak Investigation Specialist — 1 FTE

To help reduce system leakage and keep track of suspected main or service leaks

Request: \$87,404

Ongoing Cost

Water Enterprise Fund

Future Budget Amendment

New Requests

Water Loan Fund

Water service lines are the responsibility of the property owner, and the utility anticipates an increased demand in loan funds resulting from leak surveys.

Request: \$100,000
Ongoing Cost
Water Enterprise Fund
Approved, Funded

Equipment Replacement

A new tapping gun, power pack, and pump would increase efficiency of operations.

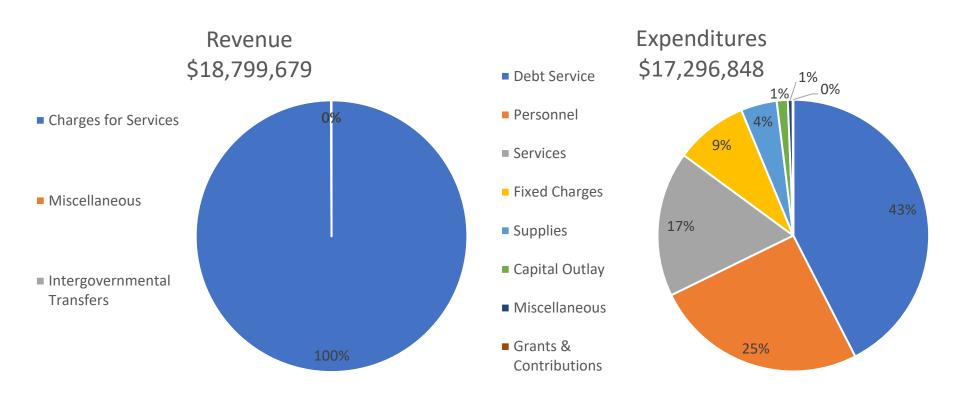
Request: \$33,000
One-Time Cost
Water Enterprise Fund
Approved, Funded

Career Ladder
Compensation
Adjustments, Non-Union
Pay Plan
Implementation, and
Non-Union Wage
Increases

Personnel adjustments

Request: \$191,086
Ongoing Cost
Water Enterprise Fund
Approved, Funded

Budget



Purpose

Provide safe and environmentally conscientious management and disposal of wastewater at the collections and resource recovery facilities.



Key Facts & Metrics



Maintains 28 lift stations and 1,700 residential and commercial sewer tank effluent pumping (STEP) systems.



Treats 2.5 billion gallons of wastewater annually.



Produces about 23,000 cubic yards of Compost.



Generates over 1 million kWh of electricity with an on-site bio-generator.



Diverts 170 million gallons of treated wastewater from the Clark Fork River to irrigate 72,000 poplar trees.



Jets and cuts roots from 110 miles of sewer main per year.

FY 22 Highlights

Completed compliance inspections by DEQ Water Quality & Solid Waste Section	~
Assisted with preparing Authorized Camping Site along with Missoula County and Streets Division	~
Diverted green waste from the landfill and increased revenue through compost sales	454
Completed Grant Creek Lift Station bypass project	/
4,300 LF of sewer main extensions under construction with Mullan BUILD project	154
No gravity main backups and no STEP system backups in calendar year 2021	द्र

FY 23 Goals

- Eliminate Momont #2 pump station to save energy
- Complete building and mechanical improvements at the Resource Recovery Facility
- Complete solar project implementation to provide 20% of facility power
- Continue evaluating potential energy savings in blowers and pumping at RRF
- Increase Compost sales by expanding into agricultural market
- Implement Compost facility improvements (\$2.8M ARPA Grant)
- Chart the future for the poplar farm

New Requests

Baseline Increases

Inflationary adjustments based on known contracted rate increases and increasing costs.

Request: \$305,700

Ongoing Cost

Wastewater Enterprise

Fund

Approved, Funded

Plant & Compost Overtime

Additional staff time is necessary to maintain effective operations to ensure public health and safety.

Request: \$49,000

Ongoing Cost Wastewater Enterprise

Fund

Approved, Funded

Annual Maintenance Contracts

To cover costs for utility billing software, sewer software modeling, and to maintain equipment.

Request: \$132,500

Ongoing Cost

Wastewater Enterprise

Fund

New Requests

Replacement & Depreciation

To ensure conversion of biogas to electricity, an equipment overhaul is required. Also, new loader tires are needed for compost vehicles.

Request: \$100,000

One-Time Cost Wastewater Enterprise Fund

Approved, Funded

Travel & Training

Attending conferences is a way to learn about new technologies and how to mitigate public health risk to further server our customers.

Request: \$10,000

Ongoing Cost Wastewater Enterprise Fund

Approved, Funded

Hydraulic Crane Replacement

To enable the department to safely perform routine maintenance, a sufficient crane to pick up pumps is requested.

Request: \$23,000

One-Time Cost
Wastewater Enterprise
Fund - Capital Lease
Approved, Funded

New Requests

Copier Replacement

Division administration requires efficient and effective copiers. Current one is past useful life.

Request: \$5,500

One-Time Cost Wastewater Enterprise Fund

Approved, Funded

Water Truck

A truck dedicated to managing dust control, helping to mitigate air quality issues.

Request: \$65,000

One-Time Cost
Wastewater Enterprise
Fund

Not Approved, Not Funded

Utility Locator – 1 FTE

To ensure state statute locating requirements will be met. Total cost (\$75,675) shared with Water utility.

Request: \$37,838

Ongoing Cost Road District #1 from permit revenue

Future Budget Amendment

New Requests

Career Ladder
Compensation Adjustments,
Non-Union Pay Plan
Implementation, and NonUnion Wage Increases

Personnel adjustments

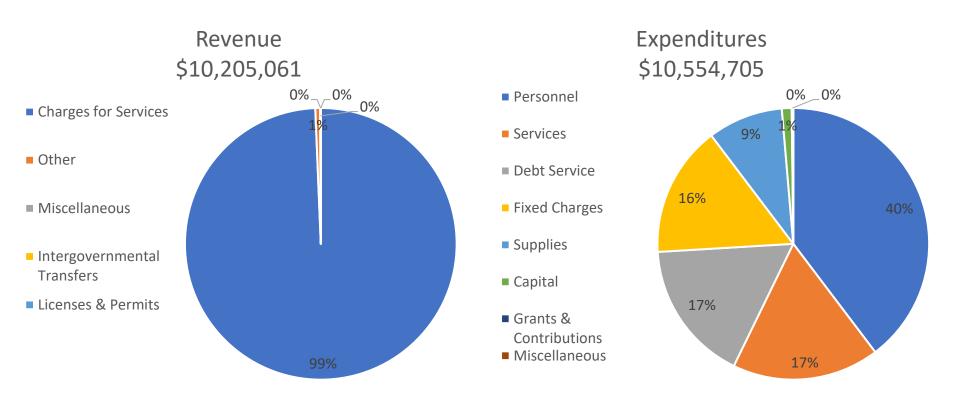
Request: \$64,603 Ongoing Cost

Wastewater Enterprise Fund





New Requests



Purpose

Provide for and maintain infrastructure for both surface and underground movement of water from rain, snow melt, and other weather events and ensure compliance with state, federal, and local laws for stormwater management.



Key Facts & Metrics



Cleaned 793 dry wells and 103 stormwater inlets; 484 CY of debris removed



Inspected 22 outfalls, collected 16 water quality samples



Jetted 1,329 LF of storm drains



Trained 39 contractors/consultants on best management practices



221 Stormwater Permits issued, 183 inspections at 80 sites

FY 22 Highlights

Complete Caras Park Outfall Pretreatment Retrofit Project	/
Maintain vegetation on accredited levees	454
Partner with the U.S. Army Corps of Engineers for levee recertification	454
Developed new dispatch web map to document O&M, improve efficiency and improve communications with field crew	~
Developed new citizen web map to report drainage issues	/
Developed new City Pollution Prevention/Good Housekeeping Guidance Manual	~

FY 23 Goals

- Construct South Hills Stormwater Improvements (\$2M ARPA Grant)
- Prepare infrastructure condition assessment and watershed-based stormwater management plan
- Pursue an NRCS grant through a multi-agency partnership to improve water quality and fisheries in the Clark Fork River
- Address deferred maintenance at the Bitterroot outfall

New Requests

Baseline Increases

To adjust for inflation adjustments and for shared building maintenance costs.

Request: \$5,000

Ongoing Cost Stormwater Enterprise Fund

Approved, Funded

Transfer to Wastewater

To compensate Wastewater for their stormwater assistance throughout the year.

Request: \$35,000

Ongoing Cost Stormwater Enterprise Fund

Approved, Funded

Public Outreach

To maintain compliance with the MS4 Permit, public outreach is required.

Request: \$2,550

Ongoing Cost Stormwater Enterprise Fund

New Requests

Career Ladder Compensation Adjustments, Non-Union Pay Plan Implementation, and Non-Union Wage Increases

Personnel adjustments.

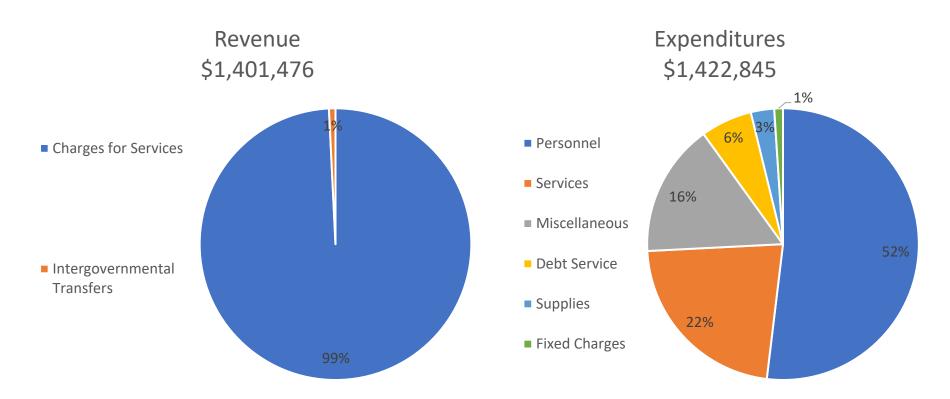
Request: \$31,130

Ongoing Cost

Stormwater Enterprise Fund



Budget



Questions



Purpose

Operate and maintain the City Cemetery to provide safe, timely, and respectful internment, and ensure accurate record keeping for historical integrity.



Key Facts & Metrics



Founded in 1884 and purchased by the City in 1901 for \$1.00. Part of Missoula history for more than 120 years.



50 acres of irrigated and maintained public green space



Currently has more than 21,000 internments with 77 performed in FY22



Most revenue generated in Cemetery history at \$155,641 in FY22

FY 22 Highlights

Exploring options for Pet Wall construction	/
Federal historic site designation application submitted and being reviewed	154
Plant additional trees	/
Hired architect for office and site improvements recommendations per strategic plan	~
Creating GIS mapping database	454

FY 23 Goals

- Increase visitation and public awareness
- Prepare conceptual design/costs for office & site improvements
- Evaluate fees/revenues/services
- Identify funding requests for FY24
- Complete historic designation
- Explore options for restarting Stories & Stones

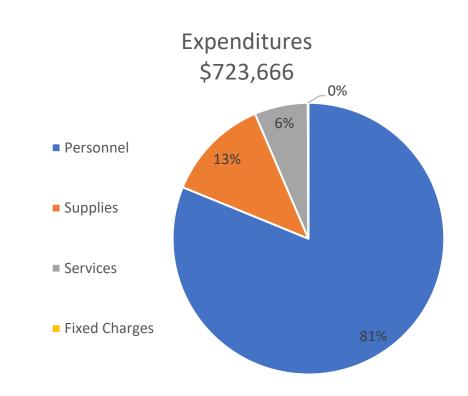
New Request and General Fund Budget

Baseline Increases

Inflationary adjustments based on known increasing costs

Request: \$8,020

Ongoing Cost General Fund Approved, Funded





Sidewalks and Mobility Program

11 projects with a focus on multimodal transportation improvements.

Request: \$4,268,322

One-Time Cost
Road District #1, Sidewalk
Assessments, BaRSAA,
MRA, Federal/State Grant
Approved, \$2,060,319
Funded

- Eaton Street Phase I*
- Maple Street Sidewalks*
- Westside Area Mobility Phase I
- Turner/Worden
- Kent/Central Greenway Phase I
- Burton Greenway
- Russell/Fairgrounds Trail Crosswalk
- Ivy/Franklin/Parky Greenway Phase I
- Eaton Street Phase II
- Ivy/Franklin/Park Greenway Phase II
- Kent/Central Greenway Phase II
- * Construction currently in progress

Roadway Improvements

8 projects, including new construction and multimodal transportation infrastructure reconstruction

Request: \$1,497,041
One-Time Cost

Gas Tax, BaRSAA, MRA, New Development, Federal/State Grant

Approved, \$606,247 Funded

- Mullan Road Reconstruction*
- Scott Street Improvements
- South Avenue Improvements Phase I
- Higgins Avenue
- Broadway/Toole/California Roundabout
- George Elmer/Cattle Drive Intersection
- Lower Miller Creek Road Reconstruction
- California Street Reconstruction
- * Construction currently in progress

Wayside Horns Project

To design, purchase, and install equipment to silence train horns at the Greenough/Spruce St. crossing.

Request: \$193,916

One-Time Cost

MRA

Approved, Funded

Mullan BUILD

The project will address a need for key transportation connections within a future mixed-use neighborhood and enhances multi-modal transportation by providing safer options for walking, biking and transit.

Request: \$18,600,000

Debt Service, Federal Grant, Missoula County, Transportation Impact Fees Approved, Funded

Cemetery Architect Services

FourFront Design has been contracted to assess the current administration building

Request: \$58,000

One-Time Cost

Cemetery Capital Fund

Wastewater Collections

To expand, replace, and improve existing infrastructure, such as lift stations and sewer mains

Request: \$2,800,000

One-Time Cost Wastewater Development Fund, SRF Loan, ARPA Minimum Allocation Grant

Approved, \$150,000 Funded

- Momont #2 Lift Station Replacement
- Kelly Island Lift Station Improvements
- Fort Missoula Lift Station Rehabilitation
- South Russell Street Sewer Replacement
- Scott Street Sewer Improvements
- Sewer Main Rehabilitation Program
- Miscellaneous Upsizing
- Miscellaneous System Improvements

Garden City Compost

Compost improvements and upgrades to equipment and existing infrastructure.

Request: \$3,051,000

One-Time Cost

Wastewater Enterprise Fund, SRF Loan, ARPA Minimum Allocation Grant, ARPA Competitive Grant

Approved, \$2,835,000 Funded

Wastewater Resource Recovery Facility

Treatment plant improvements and upgrades to existing plant infrastructure.

Request: \$2,373,000

One-Time Cost

Wastewater Enterprise Fund, SRF

Loan

Approved, \$105,000 Funded

Water System Improvements

15 Water Main Replacements and Extensions

Request: \$12,714,603

One-Time Cost BaRSAA, SRF Loan, ARPA Minimum Allocation Grant, ARPA Competitive Grant

Approved, \$12,653,308 Funded

- Broadway (May to Front)*
- Cooper St Alley (Burns-Hawthorne)*
- Shakespeare St (Phillips to North)*
- Cooley/Stoddard*
- Beckwith (Woodford to Rollins)*
- S 3rd W (Orange to Myrtle)
- N 2nd St, RR crossing to Orange St
- N 6th and N 5th (Worden)
- S 2nd St/Cottonwood
- Mount (1/2 block away from Higgins to Park)
- South 4th/5th Front St (Madison to Van Buren)
- Sussex/Central (Hilda to Maurice)
- Lower Rattlesnake fire flow PRV Harrison St
- Harlequin Court Tie Main
- * Construction currently in progress

Water Production Improvements

McKinley Lake Dam Decommissioning, Upper/Lower Lincoln Hills Tanks, Prospect Tank, Well engineering

Request: \$4,792,299

One-Time Cost

Water Enterprise Fund, Water

Development Fund, Grant, SRF Loan

Approved, \$3,809,799 Funded

Miscellaneous Water Utility Improvements

Meters, SCADA Upgrade, Mains Upsizing, Hydrants, and Equipment Replacement

Request: \$1,809,018

One-Time Cost

Water Enterprise Fund, Water

Development Fund, SRF Loan

Approved, \$1,809,018 Funded

Levee Improvements

Grant Creek Levee Improvement per the facility plan

Request: \$50,000

Ongoing Cost
Stromwater Enterprise
Fund Debt Service

Approved, Not Funded

Stormwater System Improvements

Comprehensive Stormwater plan, outfall and drainage improvements to existing infrastructure

Request: \$443,827

One-Time Cost Stormwater Enterprise Fund Debt Service, Grant Approved, Not Funded

Stormwater System Improvements

South Hills Stormwater
Improvements and Grant
Creek Realignment

Request: \$3,292,952

One-Time Cost ARPA Competitive, SRF Loan, Sxwtpqyen Impact Fees

Public Safety/Public Works Infrastructure Replacement (Radio Project)

The Police Department frequently has serious communications problems that leave officers without communications. This project would replace the city's obsolete communication infrastructure equipment and subscriber units.

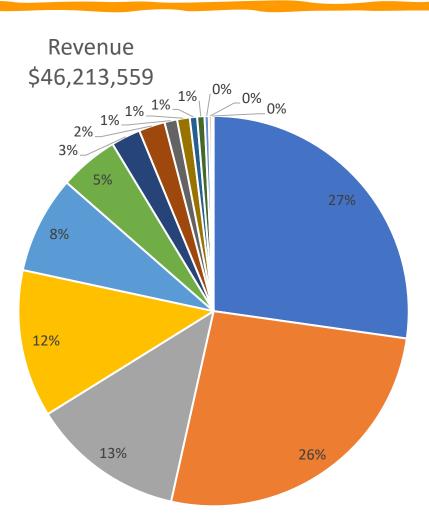
Request: \$1,500,000

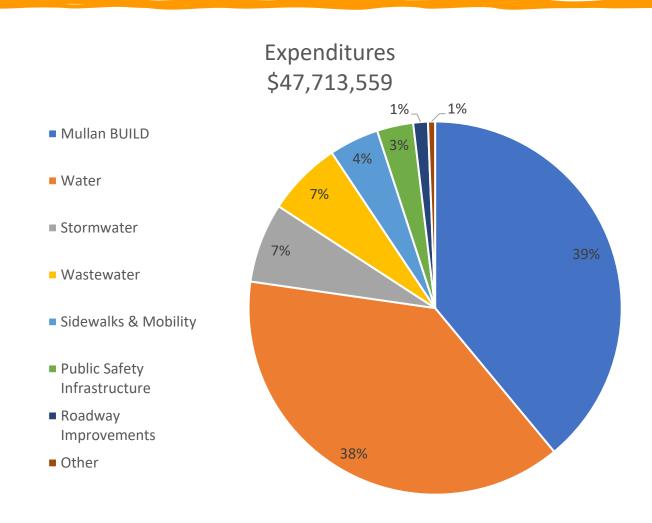
One-Time Cost

Road District #1 Debt Service



- Federal/State Grant
- SRF Loan
- Debt
- ARPA Competitive Grant
- ARPA Minimum Allocation Grant
- Impact Fee
- BaRSAA
- Water
- County
- MRA
- Wastewater
- Road District #1
- Other
- Gas Tax
- New Development





Thank you



For more information visit

http://www.ci.missoula.mt.us/2914/FY2023-Preliminary-Budget

Or email

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