# Stormwater Utility

### Agency Overview

## **Agency Mission**

The mission of the Stormwater Utility is to provide stormwater management services to the City of Madison with an equitable rate structure.

## **Agency Overview**

The Agency is responsible for reducing flooding, improving the water quality of the lakes and waterways, and complying with the Wisconsin Pollutant Discharge Elimination System discharge permit. The goals of the agency include reducing the total suspended solids and total phosphorous within the City's stormwater runoff by working with neighboring municipalities, regulatory agencies, and public watershed organizations.

## 2022 Budget Highlights

#### Agency-Wide Changes

- Includes an anticipated 8% rate increase primarily due to diminishing interest gained and increased contribution to reserves to support critical projects. The projected rate increase translate to approximately \$0.88 more per month for the average residential customer. In 2022, the Stormwater Utility increased rates by 7%.
- Includes a package of Engineering position changes, including new positions and reclassifications of existing positions, that are cost-neutral to the general fund. The position changes that are funded in part by Stormwater are listed below, by service.

## Service: Stormwater Engineering and Administration

- Reduces hourly wages by \$24,351 and reallocates funding to a new permanent GIS specialist position (1.0 FTE).
- Recreates a Program Assistant 1 to an Account Technician.

## Service: Stormwater Operations

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- Funds a portion of the following new positions: 2.0 FTE Leadworker 1 and 1.0 FTE Operator 2. For 6 months of the year these positions work with mi-te (Madison Infrastructure Training Engineering) Program trainees performing concrete flat work and sanitary and storm sewer structure repairs. The remainder of the year they will supplement existing crews. The Stormwater Utility will fund sewer related work performed by these positions.
- Provides funding for the following changes to existing positions:
  - Reclassifies the Engineering Financial Manager
  - Recreates a Program Assistant 1 as a HR Analyst Trainee
  - Recreates 3.0 Engineer 3s as Engineer 4s
  - Recreates a 1.0 IT Specialist 3 as a Comp Mapping/ GIS Coordinator
  - Recreates a 1.0 IT Specialist 3 as a Landscape Architect 4
  - Recreates a 1.0 Maintenance Mechanic 1 as a Maintenance Mechanic 2

Budget Overview

# Agency Budget by Fund

Fund	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Stormwater Utility	26,868,495	20,555,054	21,364,766	20,632,540	20,892,402
Total	\$ 26,868,495	\$ 20,555,054	\$ 21,364,766	\$ 20,632,540	\$ 20,892,402

# Agency Budget by Service

Service	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Stormwater Engineering And Adı	23,484,529	16,253,064	17,668,853	16,304,841	16,559,456
Stormwater Operations	3,383,966	4,301,990	3,695,913	4,327,699	4,332,946
	\$ 26.868.495	\$ 20.555.054	\$ 21.364.766	\$ 20.632.540	\$ 20.892.402

# Agency Budget by Major-Revenue

Major Revenue	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Intergov Revenues	(250,202)	-	-	-	-
Charges For Services	(18,164,897)	(19,759,274)	(18,758,961)	(19,749,380)	(19,749,380)
Licenses And Permits	(1,900)	(4,500)	(720)	(2,500)	(2,500)
Fine Forfeiture Asmt	(478,932)	(550,420)	(550,420)	(555,040)	(555,040)
Invest Other Contrib	(107,951)	(155,000)	(155,000)	(87,200)	(87,200)
Misc Revenue	(1,493)	(750)	-	-	-
Other Finance Source	(5,758,993)	(85,110)	(85,110)	(238,420)	(498,282)
Transfer In	(2,104,126)	-	-	-	-
Total	\$ (26,868,494)	\$ (20,555,054)	\$ (19,550,211)	\$ (20,632,540)	\$ (20,892,402)

# Agency Budget by Major-Expense

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Major Expense	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Salaries	2,952,942	3,612,094	2,977,925	3,820,136	3,888,723
Benefits	450,914	1,496,856	1,338,983	1,503,135	1,571,238
Supplies	345,124	463,800	370,133	451,220	451,220
Purchased Services	2,802,248	2,654,743	3,155,249	3,344,878	3,344,878
Debt Othr Financing	19,555,236	10,732,775	11,888,127	10,162,689	10,275,003
Inter Depart Charges	1,147,778	1,133,786	1,173,350	1,165,482	1,176,340
Inter Depart Billing	(386,174)	(415,000)	(415,000)	(420,000)	(420,000)
Transfer Out	428	876,000	876,000	605,000	605,000
Total	\$ 26,868,495	\$ 20,555,054	\$ 21,364,766	\$ 20,632,540	\$ 20,892,402

Service Overview

Service: Stormwater Engineering And Adm

#### Service Description

The Stormwater Utility provides services for planning, design, review, construction, and maintenance of the City's storm system. The storm system includes 500+ miles of storm sewer pipe and box culverts, 26,000+ inlets, 100+ miles of open channels (both ditches and greenways), 230+ wet and dry detention ponds, 600+ biofiltration devices and raingardens, catchbasin sump cleaning, screen structures, pervious pavement, pervious sidewalks, and proprietary stormwater quality devices.

The Stormwater Utility is responsible for compliance with the Wisconsin Pollutant Discharge Elimination System discharge permit and enforcement of the technical aspects of the City's Municipal Governing Ordinance Chapter 37.

#### Activities Performed by this Service

- Flood Mitigation & Resiliency: Watershed study management including data collection, modeling, development, and prioritization of engineering solutions, as well as green infrastructure design and management and community engagement.
- Utility Management & Administration: Plan, direct, and implement storm water infrastructure design, construction, operations, and maintenance. Oversee Utility administrative and technical activities.
- Design Reconstruction: Planning, design, and project management for replacement or rehabilitation of aging storm sewer infrastructure.
- Construction Inspection: Manage storm sewer construction of Public Works projects to ensure compliances with plans and specifications.
- GIS: Create and maintain stormwater infrastructure assets in GIS for asset and work order management and create and maintain a layer for billing and modeling.

#### Service Budget by Fund

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
General	-	-	=	-	-
Other-Expenditures	23,484,529	16,253,064	17,668,853	16,304,841	16,559,456
Total	\$ 23,484,529 \$	16,253,064 \$	17,668,853 \$	16,304,841 \$	16,559,456

#### Service Budget by Account Type

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	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Revenue	(23,188,457)	(16,520,165)	(15,839,512)	(16,304,841)	(16,564,703)
Personnel	1,432,915	2,707,672	2,429,647	2,758,801	2,890,243
Non-Personnel	21,772,304	13,540,218	15,202,836	13,338,829	13,451,143
Agency Charges	279,309	5,174	36,370	207,212	218,070
Total	\$ 296.072 \$	(267,101) \$	1.829.342 \$	- Ś	(5.247)

Service Overview

**Service:** Stormwater Operations

#### Service Description

This service is responsible for operating and maintaining Stormwater Utility system infrastructure of storm sewer system including 500+ miles of storm sewer pipe and box culverts, 26,000+ inlets, 100+ miles of open channels (both ditches and greenways), 230+ wet and dry detention ponds, 600+ biofiltration devices and raingardens, catchbasin sump cleaning, screen structures, pervious pavement, pervious sidewalks, proprietary stormwater quality devices, and 1,800 acres of stormwater management lands.

#### Activities Performed by this Service

- Storm Sewer Cleaning: Scheduled pipe and structure cleaning to maintain existing system capacity and prevent sediment from reaching surface waters.
- New Construction, Upgrades, and Retrofits: Construct new stormwater infrastructure to address local drainage issues, and upgrade and retrofit existing infrastructure to improve water quality.
- · Storm Sewer Repair: Pipe and structure repair to maintain existing system functionality and extend useful life.
- Greenway & Pond Maintenance and Repair: Vegetation maintenance, including mowing, tree removal, small-scale dredging, cleaning and repair, and post-storm debris removal.
- Inspection and Condition Assessment: Internal pipe and structure inspection and condition assessment, dry weather inspections, and pond depth surveys.
- Utility Locating and Marking: Respond to Diggers Hotline requests to locate and mark underground stormwater utilities to prevent damage during excavation.
- · Emergency Response: Respond to reports of flooding, spills, missing covers, and plugged inlets, and stock sandbag sites.

#### Service Budget by Fund

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
General	=	=	-	=	=
Other-Expenditures	3,383,966	4,301,990	3,695,913	4,327,699	4,332,946
Total	\$ 3,383,966 \$	4,301,990 \$	3,695,913 \$	4,327,699 \$	4,332,946

#### Service Budget by Account Type

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	2021 Act	ual 2	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Revenue	(3,680	0,037)	(4,034,889)	(3,710	),699) (4,327,699)	(4,327,699)
Personnel	1,970	0,940	2,401,278	1,887	7,261 2,564,471	2,569,718
Non-Personnel	930	),732	1,187,100	1,086	5,672 1,224,958	1,224,958
Agency Charges	482	2,294	713,612	721	1,980 538,270	538,270
Total	\$ (296	5,072) \$	267,101	\$ (14	1,786) \$ (0)	) \$ 5,247

Line Item Detail

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Agency Primary Fund:

Stormwater Utility

		2021 Actual	2022 Ad	opted	2	022 Projected	2023 Red	juest	2023 E	xecutive
Intergov Revenues										
Federal Revenues Capital		(212,493)		_		-		_		_
State Revenues Operating		(2,294)		_		-		_		_
State Revenues Capital		(35,416)		_		-		_		_
Intergov Revenues Total	\$	(250,202)	\$	-	\$	-	\$	-	\$	-
Charges For Services										
Engineering Services		(1,096)		(3,000)		(539)		(2,000)		(2,000
Sale Of Recyclables		(4,937)		(3,500)		(5,196)		(4,500)		(4,500)
Reimbursement Of Expense		(150,746)		(150,000)		(150,000)	(	(150,000)		(150,000)
Utility Fee		(1,542,443)	(1	,670,822)		(1,714,968)	(1,	,675,132)		(1,675,132)
Erosion Control Fee		(119,950)		(150,000)		(109,333)	(	(150,000)		(150,000)
Stormwater Mgmt Fee		(95,510)		(120,000)		(92,151)	(	(120,000)		(120,000)
Stormwater Only		(3,824,362)	(4	,053,264)		(3,956,117)	(4)	,153,293)		(4,153,293)
Residential		(5,821,740)	(6	,306,852)		(5,991,348)	(6	,322,434)		(6,322,434)
Commercial		(4,889,903)	(5	,427,050)		(4,954,650)	(5,	,310,416)		(5,310,416)
Industrial		(179,354)		(194,964)		(178,068)	(	194,772)		(194,772)
Public Authorities		(1,534,856)	(1	,679,822)		(1,606,591)	(1,	,666,833)		(1,666,833)
Charges For Services Total	\$	(18,164,897)	\$ (19	,759,274)	\$	(18,758,961)	\$ (19,	749,380)	\$ (	19,749,380
Street Opening Permits Licenses And Permits Total	\$	(1,900) (1,900) \$	\$	(4,500) (4,500)	\$	(720) ( <b>720</b> )	\$	(2,500) ( <b>2,500</b> )	\$	(2,500 ( <b>2,500</b>
Elections value i crimito vocal	<u> </u>	(1)500)	<u> </u>	(4,500)	<u> </u>	(120)	<del>Y</del>	(2,500)	<del>Y</del>	(2,500)
Fine Forfeiture Asmt										
Spec Assessments Capital		(424,641)		(500,000)		(500,000)	(	(500,000)		(500,000)
Late Fees		(54,291)		(50,420)		(50,420)		(55,040)		(55,040)
Fine Forfeiture Asmt Total	\$	(478,932)	\$	(550,420)	\$	(550,420)	\$ (	555,040)	\$	(555,040)
Invest Other Contrib		(		/·		/		(		
Interest		(84,701)		(155,000)		(155,000)		(87,200)		(87,200)
Contributions & Donations		(23,250)		-	_	-		-		-
Invest Other Contrib Total	\$	(107,951)	5	(155,000)	\$	(155,000)	Ş	(87,200)	\$	(87,200)
Misc Revenue										
Miscellaneous Revenue		(1,493)		(750)		-		_		_
Misc Revenue Total	\$	(1,493)	<b>t</b>	(750)	Ġ		\$		\$	
TVIISC NEVERIUE TOTAL	٠,	(1,433)	,	(730)	7	<del>-</del>	<del>,</del>	<del>-</del>	7	
Other Finance Source										
Sale Of Assets		(227,248)		(50,000)		(50,000)	(	(200,000)		(200,000
Trade In Allowance		(31,300)		(35,110)		(35,110)	,	(38,420)		(38,420
(Gain) Loss On Sale Of Asset		860,444				-		-		-
Capital Contributions		(4,365,144)		_		-		-		-
Cap Contr Municipal		(1,995,745)		_		-		-		-
Fund Balance Applied		-		_		-		-		(259,862)
Other Finance Source Total	\$	(5,758,993)	4	(85,110)	<u>,</u>	(85,110)	ė 1	238,420)	ć	(498,282)

Line Item Detail

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Agency Primary Fund:

Stormwater Utility

	2021 Actual	2022 Adopted	20	22 Projected	2023 Request	2023 Executive
Transfer In						
Transfer In From Grants	(304,355)	_		_	-	_
Transfer In From Impact Fees	(1,108,377)	-		_	_	_
Transfer In From Tax Increment	(688,640)	_		_	-	-
Transfer In From Insurance	(2,753)	_		_	-	_
Transfer In Total	\$ (2,104,126)	-	\$	-	\$ -	\$ -
Calcuina						
Salaries	2.550.020	2.005.465		2 520 504	2 274 246	2 200 204
Permanent Wages	2,668,030	3,085,465		2,639,694	3,274,346	3,298,301
Salary Savings	-	(46,310)		-	(66,856)	(66,856
Salary Reimbursed	-	-		-	68,446	-
Pending Personnel	- (-)	58,269		-	72,068	185,146
Furlough Savings	(8)	-		-	-	-
Premium Pay	8,500	11,850		7,530	8,500	8,500
Workers Compensation Wages	1,525	-		-	-	-
Compensated Absence	5,152	103,000		97,839	103,000	103,000
Hourly Wages	98,230	147,320		60,636	108,132	108,132
Overtime Wages Permanent	170,783	250,000		170,783	250,000	250,000
Overtime Wages Hourly	561	2,500		561	2,500	2,500
Election Officials Wages	168	-		882	-	-
Salaries Total	\$ 2,952,942 \$	3,612,094	\$	2,977,925	3,820,136	\$ 3,888,723
Benefits						
Comp Absence Escrow	-	50,000		58,912	50,000	50,000
Health Insurance Benefit	468,218	542,393		467,101	525,372	582,373
Wage Insurance Benefit	10,867	11,603		10,772	11,448	11,100
WRS	197,827	217,617		181,525	236,111	247,564
FICA Medicare Benefits	220,385	261,249		212,502	271,926	271,923
Licenses & Certifications	50	250		261	250	250
Post Employment Health Plans	7,514	13,744		7,909	8,027	8,027
Other Post Emplymnt Benefit	36,599	100,000		100,000	100,000	100,000
Pension Expense	(490,546)	300,000		300,000	300,000	300,000
Benefits Total	\$ 450,914	1,496,856	\$	1,338,983	\$ 1,503,135	\$ 1,571,238

Line Item Detail

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Agency Primary Fund:

Stormwater Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Supplies					
Office Supplies	1,761	5,000	2,149	5,000	5,000
Copy Printing Supplies	9,671	18,500	12,080	18,500	18,500
Furniture	351	2,500	45	2,500	2,500
Hardware Supplies	20,633	10,000	4,982	10,000	10,000
Software Lic & Supplies	777	5,000	1,407	5,000	5,000
Postage	62,810	79,500	65,627	85,500	85,500
<b>Books &amp; Subscriptions</b>	24	500	-	500	500
Work Supplies	171,167	175,000	160,786	175,000	175,000
Safety Supplies	7,484	10,000	8,289	10,000	10,000
<b>Uniform Clothing Supplies</b>	4,361	4,500	3,592	4,500	4,500
Food And Beverage	16	2,000	118	2,000	2,000
<b>Building Supplies</b>	-	5,800	-	5,800	5,800
Landscaping Supplies	1,489	10,000	1,500	10,000	10,000
Trees Shrubs Plants	9,351	9,500	9,000	9,500	9,500
Fertilizers And Chemicals	-	1,000	-	-	-
<b>Machinery And Equipment</b>	38,919	75,000	60,460	52,420	52,420
<b>Equipment Supplies</b>	52,691	50,000	40,099	55,000	55,000
Contra Expense	(36,380)	-	-	=	-
Supplies Total	\$ 345,124	\$ 463,800	\$ 370,133	\$ 451,220	\$ 451,220

Line Item Detail

**Agency Primary Fund:** 

Stormwater Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Purchased Services					
Natural Gas	4,194	5,270	7,000	8,070	8,070
Electricity	15,273	16,280	16,800	20,170	20,170
Water	11,159	11,760	11,357	13,280	13,280
Sewer	476	550	492	540	540
Stormwater	168,286	180,520	159,608	177,980	177,980
Telephone	1,283	1,268	734	770	770
Cellular Telephone	8,624	8,830	8,619	8,879	8,879
Building Improv Repair Maint	713	6,800	528	6,800	6,800
Facility Rental	300	300	300	300	300
Custodial Bldg Use Charges	18,800	22,547	22,547	22,547	22,547
Landfill	24,909	30,000	25,000	30,000	30,000
Grounds Improv Repair Maint	40,175	25,000	34,084	35,000	35,000
Landscaping	-	45,000	-	70,000	70,000
Equipment Mntc	9,372	15,000	16,570	15,000	15,000
System & Software Mntc	104,892	91,695	95,366	150,441	150,44
Vehicle Repair & Mntc	619	5,000	167	1,000	1,000
Rental Of Equipment	723	1,000	998	-	-
Plant In Service Mntc	405,791	10,000	8,968	10,000	10,000
Recruitment	-	500	64	500	500
Mileage	179	1,500	38	1,500	1,500
Conferences & Training	11,877	12,000	12,000	12,000	12,00
Memberships	22,102	30,979	31,199	24,585	24,58
Uniform Laundry	2,460	3,100	2,500	3,100	3,10
Medical Services	-	750	-	-	5,10
Audit Services	3,300	3,500	3,400	3,500	3,500
Delivery Freight Charges	296	550	396	550	550
Storage Services	580	480	540	660	66
Consulting Services	943,374	1,055,384	1,585,989	1,130,776	1,130,77
Advertising Services	1,330	1,500	1,620	1,500	1,130,77
Engineering Services	7,300	8,000	1,020	8,000	8,000
Inspection Services	189	190	190	190	190
Locating Marking Services	6,905	7,700	7,972	7,190	7,190
Lab Services	210	1,000	7,315	1,000	1,000
Parking Towing Services	245	1,000	-	1,000	1,000
= =	-	1,000	-	42,000	42,000
Program Services Other Services & Expenses	620,325	808,000	807,410	808,000	808,00
Grants	12,669	505,000	4,056	5,000	5,000
Bad Debt Expense	59,436	15,000	60,000	15,000	15,000
Taxes & Special Assessments	264,341	194,290	194,971	675,550	675,550
Permits & Licenses		32,500		· · · · · · · · · · · · · · · · · · ·	32,50
reminis & Licenses	29,541 \$ <b>2,802,248</b>		26,450 <b>\$ 3,155,249</b>	32,500 \$ <b>3,344,878</b>	32,30

Line Item Detail

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Agency Primary Fund:

Stormwater Utility

		2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Inter Depart Charges						
ID Charge From GF	387	413	413	413	413	
ID Charge From Attorney		7,610	4,892	4,892	341	341
ID Charge From Civil Rights		7,356	7,569	7,569	3,016	3,016
ID Charge From Finance		146,763	128,296	128,296	99,533	99,533
ID Charge From Human Resour		9,295	12,544	12,544	3,617	3,617
ID Charge From Information Te		18,011	28,423	28,423	25,796	25,796
ID Charge From Mayor	14,252	13,137	13,137	5,448	5,448	
ID Charge from EAP		693	1,586	1,586	762	762
ID Charge From Engineering	50,463	7,186	48,727	48,197	48,197	
ID Charge From Fleet Services		153,199	135,190	131,988	170,766	175,786
ID Charge From Landfill	ID Charge From Landfill		28,500	28,500	30,000	30,000
ID Charge From Traffic Eng		1,583	3,288	1,833	4,246	4,246
ID Charge From Community De		114,750	153,000	153,000	163,710	163,710
ID Charge From Insurance		4,256	4,256	4,256	1,971	7,809
ID Charge From Workers Comp		15,506	15,506	15,506	14,666	14,666
ID Charge From Sewer		365,233	375,000	375,000	375,000	375,000
ID Charge From Water		208,628	215,000	217,680	218,000	218,000
Inter Depart Charges Total	\$	1,147,778	\$ 1,133,786	\$ 1,173,350	\$ 1,165,482	\$ 1,176,340
Inter Depart Billing		(66,074)	(75,000)	(75,000)	(75,000)	(75,000
ID Billing To Engineering		(10,284)	(10,000)	(10,000)	(10,000)	(10,000
ID Billing To Landfill		(278,074)	(300,000)	(300,000)	(300,000)	(300,000)
ID Billing To Sewer ID Billing To Transit		(31,743)	(30,000)	(30,000)	(35,000)	(35,000)
Inter Depart Billing Total \$		(386,174)				
inter Depart billing Total	Þ	(380,174)	5 (415,000)	\$ (415,000)	\$ (420,000)	\$ (420,000)
Transfer Out						
Transfer Out To Capital		428	876,000	876,000	605,000	605,000
Transfer Out Total	\$	428	\$ 876,000	\$ 876,000	\$ 605,000	\$ 605,000

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Function:	Public Works

		2022 Budget		2023 Budget			
Classification	CG	Adopted		Request		Executive	
		FTEs	Amount	FTEs	Amount	FTEs	Amount
CONSERVATION TECH-16	16	1.00	64,399	1.00	56,640	1.00	56,640
CONSTRUCT INSP 2-15	15	1.00	80,627	1.00	81,031	1.00	81,031
ENGINEER 1-18	18	2.00	130,204	1.00	62,993	1.00	62,993
ENGINEER 2-18	18	1.00	88,747	2.00	164,171	2.00	164,171
ENGINEER 3-18	18	1.00	91,357	-	-	-	-
ENGINEER 4-18	18	-	-	1.00	91,813	1.00	91,813
ENGR OPR LDWKR 1-15	15	1.00	67,251	1.00	68,207	1.00	68,207
ENGR OPR LDWKR 3-15	15	1.00	75,885	1.00	59,547	1.00	59,547
ENGR PROG SPEC 2-16	16	1.00	90,040	1.00	90,490	1.00	90,490
PUB WKS DEV MGR 2-18	18	1.00	106,167	1.00	108,655	1.00	108,655
SSMO 2-15	15	2.00	128,247	2.00	129,470	2.00	129,470
SSMO 3-15	15	1.00	63,549	1.00	63,867	1.00	63,867
TOTAL		13.00	986,473	13.00	976,883	13.00	976,883

Salary amounts recorded on this page are for total budgeted salaries; this amount may differ from budgeted permanent wages as presented in the Line Item Detail due to payroll allocations to other funding sources (capital projects, grants, etc.) or inter-agency services are not reflected in this summary page.