

ACTION ITEM MEMORANDUM

To: CCBWQA Technical Advisory Committee (TAC)

From: Richard Borchardt, Pollution Abatement Project Manager

Date: October 5, 2023

Subject: Cherry Creek Stream Upstream of Scott Road – IGA Amendment

Request: The TAC recommends that the Board authorize the execution of the Amendment to

Intergovernmental Agreement (IGA Amendment) for the stream improvements on Cherry Creek

upstream of Scott Road and an expenditure for an amount not to exceed \$409,000.

Project: The Project is on Cherry Creek near Scott Road

(Project, see Figure on Right) in Douglas County (County) and is a partner project with the County, CCBWQA, and Mile High Flood District (MHFD) which is the project lead. Muller Engineering is the design consultant. The proposed stream improvements benefit the water quality in Cherry Creek and the Cherry Creek Reservoir by reducing bed and bank erosion and immobilizing Phosphorus in the adjacent soils. It is estimated that this 0.81 mile long-project will immobilize 73 pounds of phosphorus annually.

Funding:

The current funding level for the project (\$4,265,000, see Table 1) includes a previous contribution of \$900,000 from the CCBWQA. The attached IGA Amendment brings in additional funding of \$1,700,000 (\$500,000 MHFD; \$300,000 County; and \$499,000 CCBWQA which was not included in the 2023



approved budget) for the Project. Due to project cost increases, MHFD and Douglas County have increased their 2023 funding to the Project, and MHFD has requested CCBWQA participate in the cost increase (Attachment 1). The total current Project costs are estimated at \$5,477,012 from the IGA Amendment. CCBWQA's participation of \$409,000 is needed to take the project to construction and is 24% which is less than the 25% limit historically used on partner projects.

_	2023						
Funding Source	Project Sponsor %	Previously Contributed	Special Funds Transfer	Additional Contribution	Maximum Contribution		
MHFD	35%	\$1,425,000	\$0	\$500,000	\$1,925,000		
Douglas County	24%	\$1,940,000	\$3,012	\$300,000	\$2,243,012		
CCBWQA	41%	\$900,000	\$0	\$409,000	\$1,309,000		
Total	100%	\$4,265,000	\$3,012	\$1,209,000	\$5,477,012		

Table 1

1

Based on cost-adjustments considering inflation, the relative cost per pound of phosphorus immobilized by the Project, and the fact that the contribution request is well below 25% of the project, R2R Engineers concludes that the funding request is reasonable. In terms of cost per pound of phosphorus immobilized with cost sharing, this Project is estimated to cost approximately \$963 per pound¹, whereas analysis of 10 projects in the Draft 2024-2033 Capital Improvement Program provides an average cost of \$1,016 per pound² and well below the highest of the 10 projects of \$1,128 per pound³ for the Piney Creek Reach 6 upstream of Caley.

Budget:

CCBWQA's 2023 Budget doesn't include funding for this Project. Likely delays in project construction will reduce CCBWQA's Pollution Abatement Fund (PAF) capital expenditures by \$1,310,000 of which \$409,000 could be used towards this Project.

Motion:

I move to recommend that the Board authorize the execution of the Amendment to Intergovernmental Agreement (IGA Amendment) for the stream improvements on Cherry Creek upstream of Scott Road and an expenditure for an amount not to exceed \$409,000.



Photo of Cherry Creek near middle of Project

¹ Unit cost of phosphorus removal including partner participation based adjusting completed project cost to 2023 dollars using ENR building cost index then annualizing costs completed project over 35 years at 4% interest rate.

² Unit cost of phosphorus removal including with partner participation at 75% and CCBWQA participation of 25% based adjusting completed project cost to 2023 dollars using ENR building cost index then annualizing costs completed project over 35 years at 4% interest rate of 10 projects analyzed in Draft 2024-2033 CIP.

³ Unit cost of phosphorus removal including partner participation based adjusting completed project cost to 2023 dollars using ENR building cost index then annualizing costs completed project over 35 years at 4% interest rate.

Richard Borchardt

From: Jim Watt <jwatt@mhfd.org>

Sent: Tuesday, September 5, 2023 1:03 PM **To:** Richard Borchardt; Brad Robenstein

Subject: Cherry Creek upstream of Scott Rd Finances and IGA

Brad and Rich – I wanted to give you a heads up that I anticipate Muller will be submitting the final design package to us next week. I am looking forward to seeing the engineers cost estimates and then coordinating with Naranjo to firm up the project budget.

Per coordination with Brad, we have decided to rearrange some of the planned MHFD 2023 Douglas County CIP funding. This increased MHFD's funding from \$300K to \$500K.

Brad – We had recently discussed the possibility of Douglas County contributing additional funds to this project in 2023. \$200K was discussed. Do you have a firm number at this point or an estimate of when you will have that number?

Rich – It seemed that there was also a possibility that CCBWQA could contribute additional funding to the project as well in 2023. Could you please let us know your timeline for needing to make decisions around this additional funding?

FYI, assuming that Douglas County is adding \$200K this year, CCWQBA is adding \$200K this year, and MHFD is adding \$500K we are projected to have a 20% contingency when planning for the Naranjo's 60% estimate. I am guessing that the contingency will go down to the 10% level once we see the refined final design quantities and a cost estimate update that is over a year old.

I will begin working towards an IGA amendment in the meantime. Looking forward to your feedback and progressing the final design.

Thanks, Jim

Jim Watt, P.E., CFM

Watershed Manager
MILE HIGH FLOOD DISTRICT
12575 W. Bayaud Ave. | Lakewood, CO 80228

Office: 303-455-6277 | Direct: 303-749-5455 | www.mhfd.org

Protecting People, Property, and our Environment





1

3

MEMORANDUM

To: CCBWQA Technical Advisory Committee

From: Jane Clary, Technical Manager and Bill Ruzzo, Executive Committee

Date: October 3, 2023

Re: Draft 2024 Expense Budget for CCBWQA

The initial draft of the Authority's 2024 Expense Budget for the General (GF) Pollution Abatement (PAF), and Enterprise (EF) funds is attached to this memorandum for discussion at the October 2023 TAC meeting. The full budget that includes revenue information will be presented to the Board in draft form at the October 2023 Board meeting and finalized in November 2023.

We request that the TAC review the Authority's planned expenses for Capital and O&M activities (i.e., PAF and EF expense budgets) and provide recommendations to the Technical Manager (TM) to convey to the Board at the October meeting. The TAC is also requested to comment on the need for and scope of the Pollution Abatement Project Manager role for the future.

The 2024 Expense Budget contains uncertainties related primarily to oversight of capital projects due to the resignation of R2R Engineers effective December 31, 2023. The TM, staff, and a member of the Executive Committee met to discuss options for covering R2R work tasks for 2024 and identified four general approaches, listed below. Whereas most of R2R work tasks can be covered by one or more of these options, there are still some work tasks that have not been assigned. Costs for these efforts in the current draft budget are identified as either Other or remain in the R2R budget ("PAPM/R2R"), due to timing of information on staff changes related to budget planning. Options include a combination of the following:

- 1. Assign the work task for 2024 to the TM contract with support from WWE staff.
- 2. Assign the work task to RG Consultants.
- 3. Provide limited oversight by the TM of capital projects that are nearing completion.
- 4. Temporarily delay the work task for 2024.

Because decisions have not been made on the best approach, RG Consultants and WWE scopes and budgets are not yet final. Additionally, R2R Engineers' transition services scope for January 1 through March 31, 2024 is estimated at \$27,300. Costs have not been reallocated among PAPM tasks as of the time of this draft budget. A staff category of PAPM/R2R is used in the October budget draft as a placeholder.

The Draft 2024 Expense Budget compared to the final 2023 budget shows an average 12% increase with individual funds projected to change as follows:

- 1. General Fund: decrease by 1 percent
- 2. Pollution Abatement Fund: increase by 13 percent
- 3. Enterprise Fund: increase by 31 percent (if RDS study conducted)

The changes in the draft 2024 Expense Budget compared to the final 2023 Budget are due to the following:

- 1. Increases in consultant billing rates and construction costs.
- 2. Additional services, such as RDS study cost, additional stream restoration projects, and an option for social media education and outreach.
- 3. Inflation, which primarily impacts capital and operations/maintenance projects.

Attachment: Draft 2024 CCBWQA Expense Budget Worksheets (subject to change)

CHERRY CREEK BASIN WATER QUALITY AUTHORITY

GENERAL FUND

2024 BUDGET - WORKSHEET DRAFT FOR TAC DISCUSSION

For the Years Ended and Ending December 31,

BUDGET

BUDGET

Property taxes Specific ownership tax Interest income/Other Total revenue Total funds available				2023	2024		
Property taxes Specific ownership tax Interest income/Other	BEGINNING FUND BA	LANCE					
Property taxes							
Specific ownership tax Interest income/Other Total funds available	REVENUE						
Total revenue							
Total revenue		Specific ownership tax					
Total funds available			Interest income/Other				
Caperal and administrative			Total revenue				
NEW			Total funds available				
NEW	EXPENDITURES						
NEW 107000 7000 Accounting 70,000 70,000 107010 7201 Administrative Assistant 86,300 86,500 107020 7020 Auditing 7,500 8,000 107200 7200 County Treasurer's fee 39,900 43,122 107030 7030 CC Stewardship Partners 35,000 35,000 107350 7350 Dues and memberships 2,000 2,000 7355 Information and Education Coordination - 12,000 107360 7360 Insurance and bands 10,000 6,500 107440 7440 Management/administration 69,000 68,700 107440 7440 Management/administration 69,000 68,700 107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107445 7415 TAC coordination 20,800 20,800 107050 7050 Regulatory Support-WQCC Regulation Hearings 228,000 145,000 107451 7410 Annual report 32,000 6,000 6,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107450 7412 Site Application Reviews		administr	ative				
107000 7000 Accounting 70,000 70,000 107010 7201 Administrative Assistant 86,300 86,500 86,500 107020 7020 Auditing 7,500 8,000 107200 7200 County Treasurer's fee 39,900 43,122 107030 7030 CC Stewardship Partners 35,000 35,000 107350 7350 Dues and memberships 2,000 2,000 107360 7360 Insurance and bends 10,000 6,500 107440 7440 Management/administration 69,000 68,700 107440 7440 Legal services 100,000 100,000 107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107050 7350 CSBWQA Website 10,000 680,000 685,900 107045 7415 TAC coordination 20,800 20,800 107040 7803 CSBWQA Website 10,000 6,000 665,900 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107452 7414 Land Use Referrals Reviews -	Conorar and						
107010 7201 Administrative Assistant 86,300 86,500 107020 7020 Auditing 7,500 8,000 107200 7200 County Treasurer's fee 39,900 43,122 107030 7030 CC Stewardship Partners 35,000 35,000 107350 7350 Dues and memberships 2,000 2,000 107360 7360 Insurance and bends 10,000 6,500 107440 7440 Management/administration 69,000 68,700 107460 7460 Legal services 100,000 100,000 107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107045 7415 TAC coordination 20,800 20,800 107040 7803 CCBWQA Website 10,000 685,900 685,900 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 125,000 188,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - - -	107000		Accounting	70,000	70,000		
107020			-				
107200	107020	7020	Auditing				
107030							
107350			·				
107360			·				
107360			·	_,000			
107440 7440 Management/administration 69,000 68,700 107460 7460 Legal services 100,000 100,000 107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107445 7415 TAC coordination 20,800 20,800 107050 7050 Regulatory Support-WQCC Regulation Hearings 228,000 145,000 107040 7803 CCBWQA Website 10,000 685,900 611,122 Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 208,400 276,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501	107360			10 000			
107460 7460 Legal services 100,000 100,000 107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107445 7415 TAC coordination 20,800 20,800 107050 7050 Regulatory Support-WQCC Regulation Hearings 228,000 145,000 107040 7803 CCBWQA Website 10,000 6,000 685,900 611,122 Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000							
107481 7480 Office/Miscellaneous Expenses 7,400 7,500 107445 7415 TAC coordination 20,800 20,800 107050 7050 Regulatory Support-WQCC Regulation Hearings 228,000 145,000 107040 7803 CCBWQA Website 10,000 6,000 685,900 611,122 Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000			-				
107445 7415 TAC coordination 20,800 20,800 107050 7050 Regulatory Support WQCC Regulation Hearings 228,000 145,000 107040 7803 CCBWQA Website 10,000 6,000 Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 58,000 107505			-				
107050 7050 Regulatory Support WQCC Regulation Hearings 145,000 145,000 6,000 685,900 611,122							
CCBWQA Website 10,000 6,000 Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management-WQ Data Reporting 56,000 58,000							
Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 208,400 276,400 Sampling and Analysis Program 55,000 40,000 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management-WQ Data Reporting 56,000 58,000							
Watershed Management 107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 208,400 276,400 Sampling and Analysis Program 55,000 40,000 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management-WQ Data Reporting 56,000 58,000	107040	7000	COSTIC				
107451 7410 Annual report 32,000 32,000 107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management-WQ Data Reporting 56,000 58,000	Watershed N	Manageme	ent		011,122		
107453 7411 Database Modules and GIS Data Management 45,000 50,000 107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 Sampling and Analysis Program 208,400 276,400 Sampling and Monitoring - Reservoir 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management-WQ Data Reporting 56,000 58,000 315,000 311,000		_		32.000	32.000		
107450 7413 General watershed management 125,000 188,000 107452 7414 Land Use Referrals Reviews - - 107454 7412 Site Application Reviews 6,400 6,400 208,400 276,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000		7411	·				
107452 7414 Land Use Referrals Reviews -		7413	_				
208,400 276,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107452	7414		-	-		
208,400 276,400 Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107454	107.70=		6.400	6.400		
Sampling and Analysis Program 107500 7500 General Technical Support 55,000 40,000 107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000							
107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	Sampling an	d Analysis	s Program		· ·		
107501 7501 Monitoring - Reservoir 36,000 40,000 107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107500	7500	General Technical Support	55,000	40,000		
107502 7502 Monitoring - Watershed 48,000 53,000 107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107501	7501					
107506 7503 Monitoring - Laboratory and Other Direct Costs 120,000 120,000 107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107502	7502	Monitoring - Watershed	48,000	53,000		
107505 7504 Reporting and Data management WQ Data Reporting 56,000 58,000 315,000 311,000	107506	7503					
315,000 311,000	107505		Reporting and Data management-WQ Data Reporting				
Total expenditures 1,209,300 1,198,522							
			Total expenditures	1,209,300	1,198,522		

CHERRY CREEK BASIN WATER QUALITY AUTHORITY POLLUTION ABATEMENT FUND SPECIAL REVENUE FUND 2024 BUDGET - WORKSHEET DRAFT FOR TAC DISCUSSION

For the Years Ended and Ending December 31,

		n	- Ir	
			BUDGET	BUDGET
		Į	2023	2024
BEGINNING FUND BA	LANCE			
REVENUE				
116360		Interest income / Other		
116500		Other Revenue		
110000		Total revenue		
TRANSFERS IN		Total revenue		
116901		Transfers from General Fund		
116902		Transfers from Enterprise Fund		
116904		Supplemental Transfers		
		Total transfers in		
		Total funds available		
		Total farido avallabio		
EXPENDITURES				
General and admini	etrativo			
General and admin	NEW			
117440	7440	Managament/administration	396,100	206 100
117440	7721	Management/administration PAPS - Undesignated	390,100	396,100
117890	7582	Repairs and maintenance Contingency	10,000	10,000
117030	7302	Repairs and maintenance contingency		10,000
Pollution Reduction F	Encilition Of	м	406,100	406,100
117723	7811	PRF Routine	40,000	40,000
117582	7812	PRF Repairs and Maintenance	10,000	10,000
117722	7813	· ·	111,200	195,000
		PRF Restoration	40,000	40,000
117702 117724	7814 7815	PRF Reservoir Destratification Service Plan	26,400	27,400
117724	7816	Meteorological Station Service PRF-weed control	3,000	3,000
			10,000	20,000
117712	7817	Wetlands Harvesting	108,000	108,000
117701	7818	Res Destratification System Utilities-Reservoir Destratification	65,000	65,000
117890	7890	Contingency	25,000	25,000
December Dr.	a la ata		398,600	493,400
Reservoir Pro 117726	7510	DCC DDC Dehabilitation	47.700	10.000
		RSS RDS Rehabilitation	47,700	48,000
117804	TBD	RSS Internal Loading Evaluation	-	40.000
	Shoreline St	tabilization	L	48,000
117728	7511	RSS East Shade Shelter	500,000	659,000
117729	7511	RSS Tower Loop	599,000	658,000
117729	7512	RSS West Shade Shelter	-	-
117890	7890		50,000	50,000
117090	7030	Contingency	50,000	50,000
Stroom Book	amation Brain	oto .	696,700	708,000
117802	amation Proje 7755		605 000	200,000
117802	7755 7756	CC 13 Mile Pork	605,000	300,000
		CC 12-Mile Park	170 000	
117884 117885	7757 7758	CC Dransfeldt Extension	170,000	
117886	7756 7759	Dove Creek: Otero To Chambers	138,000 88,000	F0.000
117877	7760	Happy Canyon: Jordan to Broncos Pkwy McMurdo Gulch	907,000	50,000 1,121,000
117872	7761			
117869	7762	Piney Creek (Reach 1-2)	63,000 200,000	39,000
117725	7762	Reservoir to LV Rd		181,000
		Preservation - Acquisition Lease	100,000	100,000
117882 117887	7764 7765	CC Scott Road	ŀ	
117879	7765 7766	Happy Canyon: I25 Upstream Lone Tree Creek	ŀ	112.000
11/0/9			-	112,000
~ /a	TBD	Lone Tree Creek (downstream of pond)	H	120,000
n/a	TBD	Dove Creek - Pond D1 to Otero	H	540,000
n/a 117900	TBD	Piney Creek - (Reach 4-5)	400 000	75,000
117890	7890	Contingency	100,000	100,000
			2,371,000	2,738,000
		Total expenditures	3,872,400	4,393,500

CHERRY CREEK BASIN WATER QUALITY AUTHORITY

ENTERPRISE FUND

2024 BUDGET - WORKSHEET DRAFT FOR TAC DISCUSSION

WITH 2022 ACTUAL AND 2022 ESTIMATED

For the Years Ended and Ending December 31,

			BUDGET	BUDGET				
			2023	2024				
DECIMINAL FUND DAI ANOS								
BEGINNING FUND BALANCE								
REVENUE								
406351		Recreation fees						
406349		Building permit fees						
406352		Wastewater surcharge						
406360		Interest income						
		Other revenue	,					
		Total revenue						
		Total funds available						
EXPENDITURES								
	NEW							
		d administrative	i					
407440	7440	Management/administration	21,000	21,000				
407355	7618 Equipment		65,000	65,000				
407890	407890 7890 Contingency		15,000	15,000				
	Planning							
407733.01	7677	CCBWQA Planning	105,000	-				
407733	7681	Tributary Planning	-	-				
407720	7683	Reservoir to 12-Mile Park Study	5,000	5,000				
407733.02	TBD	Partner Planning		-				
	Special St	udies/Projects						
407735	7684	BowTie	-	-				
407736	7685	BMP Effectiveness	75,000	30,000				
407737	7686	PRF/PAP WQ Benefits	5,000	5,000				
407740	7687	Reservoir Nutrient Mitigation	50,000	50,000				
407738	7688	Emerging SCM	-	-				
407741	7689	Watershed Master Plan	50,000	50,000				
n/a	TBD	RDS Distribution Analysis		270,000				

Total expenditures

511,000

391,000

TOTAL EXPENSES TRACKING ESTIMATES FOR WORKING DRAFT 20024 BUDGET

	GF	PAF	EF*	Total
2023 Budget	\$ 1,209,300	\$ 3,872,400	\$ 391,000	\$ 5,472,700
2024 Budget	\$ 1,198,522	\$ 4,393,500	\$ 511,000	\$ 6,103,022
% Change	-1%	13%	31%	12%

60:40 Check 72%

^{*}EF increase due to RDS Study allotment

Cherry Creek Stewardship Partners Report for the Cherry Creek Basin Water Quality Authority 3rd Qtr. 2023

We enjoyed a very successful Watershed Conference this year with support from the Cherry Creek Basin Water Quality Authority, SEMSWA, Arapahoe County Open Spaces, Aurora Water, Castle Rock Water, City and County of Denver, Douglas County, City of Castle Pines, City of Greenwood Village, City of Lone Tree, Parker Jordan Metro District, Town of Parker, Parker Water & Sanitation, Wright Water, LRE Water, Muller Engineering, RESPEC, R2 Engineers, RG Engineers, ICON Engineering, ERO Resources, Pinyon Environmental, Jacobs Engineering, Matrix Design Group, Stream Landscape Architecture & Planning, Valerian LLC, Pawnee Buttes Seed, Barr/Milton Watershed Association and SPLASH.

Over 100 attendees enjoyed a full day of discussions on timely topics including water quality and biometrics in the Cherry Creek Reservoir, updates on stormwater management, the latest on land use and planning in uncertain times. We hosted a panel which included speakers from the Chatfield Watershed Authority, Bear Creek Watershed Association, Barr Milton Watershed Association and the U.S. Army Corps of Engineers. We explored the history of water management in the Cherry Creek Basin and opportunities in the upper watershed, enjoyed learning about working with some of our natural allies – the Beaver, and were inspired by a teacher who understands the benefits of watershed protection and brings young students outdoors to learn and thrive.

Jim Wulliman, Muller Engineering, received the Marie Mackenzie Legacy Award at an inspiring lunchtime presentation. Please see the agenda for the day (Val, can you include a link for the curious?) We appreciate all our speakers with a special thank you to Jane Clary for her technical knowledge and guidance and to Val Endyk for her help with logistics, organization, and hospitality.

Other events included 'Fitting the Farm for the Future' a unique event at the 17-Mile House and a presentation on archeological history of the Cherry Creek watershed and an autumnal equinox hike at Cherry Creek Valley Ecological Park.

Upcoming events include Science Fair Kickoff -10/1/23, Winter Solstice Hike -12/16/23, Hawk Walk on Cottonwood Creek -1/27/24, Science Fair and Awards 2/23/24.