

Attachment 1



Authority Board Chair: Lora Thomas
Authority Board Vice-Chair: Laura Cavey
TAC Chair: Weston Martin
TAC Vice-Chair: Ryan Adrian

CHATFIELD WATERSHED AUTHORITY TAC MINUTES

Chatfield Watershed Authority TAC Meeting
Tuesday, October 4, 2022
2:00 p. m. – 4:00 p. m.
Virtual

Member Attendees:

Weston Martin (PCWRA) Chair
Patrick O’Connell (Jefferson County)
Ryan Adrian (Douglas County) Vice-Chair
Matthew Collitt (Louviere W&SD)
Josh Baile (Dominion WSD)
Carolyn Roan (City of Littleton)

Alternate Members, Other Associate Agencies & Attendees:

Alan Leak (RESPEC)
Michael Daugherty (Somach Simmons and Dunn)
Diane Kielty (CWA)
Donald Baggus, DNR
Jon Erickson, DNR
Brian Murphy (River Network)
Jim Walker (Pine Canyon)
Kevin Bierlein (Hydros)
Joni Nuttle CDPHE
Cathy Begij (JCD)

2:00 pm

Call to Order

The regular TAC meeting was called to order at 2:02 pm by TAC Chair Wes Martin. There were no disclosures.

ACTION/APPROVAL ITEMS (2:05 P.M. – 2:30 P.M.)

A. APPROVAL OF AGENDA

Motion made by Wes Martin to approve the Chatfield October 4, 2022, Agenda with one change moving the West Plum Creek SMP presentation before action items and second by Patrick O’Connell. Motion carried unanimously.



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CHATFIELD WATERSHED AUTHORITY TAC MINUTES

PRESENTATION (2:30 P.M. – 3:00 P.M.)

A. WEST PLUM CREEK STREAM MANAGEMENT PLAN (BRIAN MURPHY, RIVER NETWORK)

[HTTPS://SITES.GOOGLE.COM/PEAKFACILITATION.COM/WESTPLUMCREEK/HOME](https://sites.google.com/peakfacilitation.com/westplumcreek/home)

Discussed process of stream management planning and the river health assessment framework. Provided an overview map of study area. Assessments are being performed. An estimated timeline to completion was provided. Presentation available by request.

B. APPROVAL OF MEETING MINUTES

Approval of Chatfield TAC September 13, 2022, Meeting Minutes

Motion made by Ryan Adrian to approve the Chatfield TAC September 13, 2022, meeting minutes and second by Patrick O’Connell. Motion carried unanimously.

C. APPROVAL/RATIFICATION OF INVOICES

The table summarizes the invoices included in the meeting packet.

Total amount of invoices **\$22,922.00**

Total amount of invoices requiring TAC approval **\$21,145.00**

Motion made by Ryan Adrian to approve RESPEC invoice W0035.22002 August and SSD Lakes Nutrients Rulemaking Chatfield Invoice 3014851_August 2022 for a total of \$21,145.00, and second by Patrick O’Connell. Motion carried unanimously.

Invoices < \$5,000 and within Budget and Scope (Manager’s Approval)	
SSD Reg. 73 Triennial Review Chatfield Invoice 3014850_August 2022	\$78.00
SSD WQCC-WQCD Chatfield Invoice 3014849_August 2022	\$126.00
SSD General Chatfield Invoice 3014848_August 2022	\$1,573.00
CREDIT-Lynker_09 15 22 Chatfield_Watershed_August Invoice	\$120.00
Invoices \$5,000 - \$15,000 and within Budget and Scope (TAC Approval*)	
RESPEC_W0035.22002-CWA-INV-31AUG22	\$9,280.00
SSD Lakes Nutrients Rulemaking Chatfield Invoice 3014851_August 2022	\$11,865.00
Invoices > \$15,000 and/or any Amount not within Budget or Scope (Board Approval)	
*Also requires post-payment Board ratification at next quarterly Board Meeting	



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CHATFIELD WATERSHED AUTHORITY TAC MINUTES

D. RECOMMEND 2023 CWA BUDGET TO BOARD FOR APPROVAL (ALAN LEAK)

The CWA budget planning spreadsheet was reviewed online. Postponements and changes to rulemaking hearings created opportunity to revise the 2022 budget and shift monies to adjust budget items.

Ramifications of adjustments include additions of budget items taking CWA to below recommended reserve of \$100,000 in 2024 and anticipated rulemaking hearings that may require that CWA become a party. Without dues increases, CWA will need additional funding. Discussed potential projects being moved to future budgets beyond 2023.

A dues increase has not been acceptable so far. A lobbyist effort is not realistic in a short timeline. Adjustment would need to be made to move modeling to a future date. Budget limitations are understood within the context of the CDPHE annual report response. The fact that the reservoir is not impaired works in CWA's favor. There may be the possibility for CDPHE to receive a grant in the future to help Chatfield with modeling.

Action: RESPEC will add an alternative planning forecast to simplify while showing ramifications of eliminating items. This will be brought to the Board for discussion about the 2023 budget and beyond with additions of a full summary of the budget for the board's consideration, not just current modifications. Expand on cost impacts section including the need to seek 60% dues increase to meet future demands in 2024. Summarize drivers in cost increases to standard budget and implications of "do nothing".

Motion made by Patrick O'Connell to recommend the Board adopt the proposed 2023 dues and second by Ryan Adrian. Motion carried unanimously.

E. RECOMMEND BOARD TO SELECT LOBBYIST (MICHAEL DAUGHERTY)

Six lobbyists were contacted and three responded. Range of costs between \$30,000 - \$40,000. This would likely not go into place until 2023. Now is when a bill sponsor would be secured. CWA could do a limited scope in 2022, but best effort would be to begin in July of 2023 with bill titles due in December. The November election could inform potential bill sponsors.

These types of initiatives can be difficult to pass. Received suggestion to seek out resolutions from local governments before getting a lobbyist involved. Determine if this would intersect with the Keep Colorado Wild Pass. Pursue option for a percentage of the Keep Colorado Wild Pass if DNR is receptive to idea. There was a recommendation to include a 30-day notice to cease lobbyist contract if the effort is not working out.

Motion made by Ryan Adrian to create a Lobbyist Selection Committee and interview lobbyists and second by Patrick O'Connell. Motion carried unanimously.

Committee: Ryan Adrian, Patrick O'Connell, David Van Dellen, Weston Martin, Carolyn Roan



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CHATFIELD WATERSHED AUTHORITY TAC MINUTES

Action: Manager send out NeedToMeet poll and schedule 2 meetings.

DISCUSSION ITEMS (3:00 P.M. – 3:15 P.M.)

A. LAKES NUTRIENTS CRITERIA RULEMAKING (MICHAEL DAUGHERTY & ALAN LEAK)

The schedule of important dates was presented. We have three meetings before the responsive prehearing statements are due.

Action: One more subcommittee meeting will be set by SSD.

UPDATES (3:15 P.M. – 3:55 P.M.)

A. TECHNICAL (ALAN LEAK)

1. Response actions to Sun Jelly WWTD wasteload allocation violations update – CWA has not received an annual report as required. It was requested. There have been ongoing violations. The Division has been contacted asking them that CWA be kept informed of CDPHE actions and decisions. If Division goes down road of resolution of violations and projects are suggested, CWA would like to be involved in the decision on project selection. CWA should invite Sun Jelly to become a CWA member and get involved in watershed solutions. RESPEC will revise the letter and was given approval to submit to the Division.
2. Chatfield Reservoir Mitigation Company Update – None
3. Water Quality Update – 2022 Total Phosphorus slide was presented. Chatfield is on track to meet standards.
4. Other Member – None.

B. MANAGER (DIANE KIELTY)

1. Chatfield Election Schedule – Please send in nominations by October 28th.

C. FINANCIAL (DIANE KIELTY)

1. No Financial Summary
2. 2021 Audit Exemption Completed and Submitted to TWS Financial

C. EXECUTIVE SESSION

24-6-402(4)(b) C.R.S. Conferences with an attorney for the purpose of receiving legal advice on specific legal questions.



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CHATFIELD WATERSHED AUTHORITY TAC MINUTES

UPCOMING MEETINGS (3:55 P.M. – 4:00 P.M.)

A. Next Scheduled TAC Meetings:

- a) Tuesday, November 1st, 2022: 2:00 – 4:00 p.m., Google Meet Online

B. Next Scheduled Board Meeting:

- a) Monday, October 17, 2022: 3:00 – 5:00 p.m., Hybrid Live & Online

Virtual - Google Meet

Join with Google Meet

meet.google.com/uex-gaji-wcf

Meeting ID

meet.google.com/uex-gaji-wcf

Phone Numbers

(US)+1 **631-880-5198**

PIN: 377 796 604#

Live Address - 100 Jefferson County Parkway, Golden, CO 80419

Directions for Chatfield Hybrid Meeting in Jefferson County

Directions and parking details

<https://www.jeffco.us/2051/Driving-Directions>

- Parking – once through the roundabout, head toward the building, guests can park in either of the top-level parking areas to the left or right
- Enter the building and go to your left (unsecured side)
- Once at elevators, head to your right and look for signs for Chatfield Watershed Authority/Faye Griffin Room (just pass Hearing Room 1)

4:00 p.m.

Adjournment

Attachment 2

Somach Simmons & Dunn

Attorneys at Law

500 Capitol Mall, Suite 1000

Sacramento, California 95814

Federal Tax I.D. No.: 68-0261618

somachlaw.com

Telephone: (916) 446-7979

Fax: (916) 446-8199

COVER SHEET

Chatfield Watershed Authority

P.O. Box 460736

Glendale, CO 80246-0736

Attention: Diane Kielty, Program Manager

October 13, 2022

Client: 002051

Page: 1

For Professional Services Rendered Through September 30, 2022

ACCOUNT SUMMARY

Matter	Description	Invoice #	Services	Tax	Disbursements	Interest	Total
000001	General	3015374	\$2,834.00	\$0.00	\$0.00	\$0.00	\$2,834.00
000002	WQCD-WQCC	3015375	\$442.00	\$0.00	\$0.00	\$0.00	\$442.00
000003	Pine Canyon Application	3015376	\$156.00	\$0.00	\$0.00	\$0.00	\$156.00
000004	Reg. 73 Triennial Review	3015377	\$52.00	\$0.00	\$0.00	\$0.00	\$52.00
000006	2022 Lakes Nutrients Rulemal	3015378	\$2,092.00	\$0.00	\$27.03	\$0.00	\$2,119.03
Total Current Charges							\$5,603.03
Previous Balance							\$21,948.13
<i>Less Payments</i>							(\$8,306.13)
PAY THIS AMOUNT							\$19,245.03

Remittance Advice

Check Payable To:

Somach Simmons & Dunn
Attn.: Accounts Receivable
500 Capitol Mall, Suite 1000
Sacramento, California 95814

Somach Simmons & Dunn

Attorneys at Law

500 Capitol Mall, Suite 1000

Sacramento, California 95814

Federal Tax I.D. No.: 68-0261618

somalchlaw.com

Telephone: (916) 446-7979

Fax: (916) 446-8199

REMITTANCE COPY

Chatfield Watershed Authority

P.O. Box 460736

Glendale, CO 80246-0736

Attention: Diane Kielty, Program Manager

October 13, 2022

Client: 002051

Page: 1

For Professional Services Rendered Through September 30, 2022

ACCOUNT SUMMARY

Matter	Description	Invoice #	Services	Tax	Disbursements	Interest	Total
000001	General	3015374	\$2,834.00	\$0.00	\$0.00	\$0.00	\$2,834.00
000002	WQCD-WQCC	3015375	\$442.00	\$0.00	\$0.00	\$0.00	\$442.00
000003	Pine Canyon Application	3015376	\$156.00	\$0.00	\$0.00	\$0.00	\$156.00
000004	Reg. 73 Triennial Review	3015377	\$52.00	\$0.00	\$0.00	\$0.00	\$52.00
000006	2022 Lakes Nutrients Rulemal	3015378	\$2,092.00	\$0.00	\$27.03	\$0.00	\$2,119.03
Total Current Charges							\$5,603.03
Previous Balance							\$21,948.13
<i>Less Payments</i>							(\$8,306.13)
PAY THIS AMOUNT							\$19,245.03

Remittance Advice

Check Payable To:

Somach Simmons & Dunn
Attn.: Accounts Receivable
500 Capitol Mall, Suite 1000
Sacramento, California 95814

Attachment 3

Invoice Listing

Sort Order: Client-Matter

Invoices Sorted by: Invoice Number

Selection: Chatfield Watershed Authority - All Matters

Posted Invoices

Invoices Dated: 2/1/2022 - 10/13/2022

Matter Name	Matter Code	Invoice #	Invoice Date	Fees	Expenses	Costs	Interest	Total	2022 Totals
General	1	3015374	10/13/2022	2,834.00	-	-	-	2,834.00	24,769.13
WQCD-WQCC	2	3015375	10/13/2022	442.00	-	-	-	442.00	4,519.38
Pine Canyon Application	3	3015376	10/13/2022	156.00	-	-	-	156.00	2,933.50
Reg. 73 Triennial Review	4	3015377	10/13/2022	52.00	-	-	-	52.00	1,272.00
Policy Revision Project	5		*	*	*	*	*	*	1,512.00
2022 Lakes Nutrients Rulemaking Hearing	6	3015378	10/13/2022	2,092.00	-	27.03	-	2,119.03	16,425.53
Client Year Totals				\$ 5,576.00	\$ -	\$ 27.03	\$ -	\$ 5,603.03	\$ 51,431.54

* No Invoice This Month

2022 Budget	\$ 84,240.00	
Amount Billed	\$ 51,431.54	61.1%
Budget Remaining	\$ 32,808.46	38.9%

Invoice Listing

Sort Order: Department

Selection: Filters Set (1)

Invoices Dated: 2/1/2022 - 10/31/2022

Invoices Sorted by: Client-Mater

- Posted Invoices
- Void Invoices
- Unposted Invoices

Client	Matter	Invoice #	Invoice Date	Fees	Expenses	Costs	Interest	Tax	Total
Default Department									
002051 CHATFIELD WATERSHED AUTHORITY									
	000001	3012879	02/14/2022	\$5,958.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,958.00
	000001	3013172	03/15/2022	\$2,508.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,508.00
	000001	3013463	04/20/2022	\$1,197.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,197.00
	000001	3013770	05/17/2022	\$3,350.50	\$0.00	\$0.00	\$0.00	\$0.00	\$3,350.50
	000001	3014308	07/13/2022	\$3,633.50	\$0.00	\$56.00	\$0.00	\$0.00	\$3,689.50
	000001	3014636	08/12/2022	\$3,518.50	\$0.00	\$140.63	\$0.00	\$0.00	\$3,659.13
	000001	3014848	09/15/2022	\$1,573.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,573.00
	000001	3015374	10/13/2022	\$2,834.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,834.00
				\$24,572.50	\$0.00	\$196.63	\$0.00	\$0.00	\$24,769.13
	000002	3012880	02/14/2022	\$520.00	\$0.00	\$0.00	\$0.00	\$0.00	\$520.00
	000002	3013753	05/17/2022	\$180.00	\$0.00	\$0.00	\$0.00	\$0.00	\$180.00
	000002	3014067	06/17/2022	\$2,353.00	\$0.00	\$138.54	\$0.00	\$0.00	\$2,491.54
	000002	3014417	07/13/2022	\$650.00	\$0.00	\$57.84	\$0.00	\$0.00	\$707.84
	000002	3014637	08/12/2022	\$52.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.00
	000002	3014849	09/15/2022	\$126.00	\$0.00	\$0.00	\$0.00	\$0.00	\$126.00
	000002	3015375	10/13/2022	\$442.00	\$0.00	\$0.00	\$0.00	\$0.00	\$442.00
				\$4,323.00	\$0.00	\$196.38	\$0.00	\$0.00	\$4,519.38
	000003	3013771	05/17/2022	\$1,905.50	\$0.00	\$0.00	\$0.00	\$0.00	\$1,905.50
	000003	3014068	06/17/2022	\$872.00	\$0.00	\$0.00	\$0.00	\$0.00	\$872.00
	000003	3015376	10/13/2022	\$156.00	\$0.00	\$0.00	\$0.00	\$0.00	\$156.00
				\$2,933.50	\$0.00	\$0.00	\$0.00	\$0.00	\$2,933.50
	000004	3012881	02/14/2022	\$598.00	\$0.00	\$0.00	\$0.00	\$0.00	\$598.00
	000004	3013173	03/15/2022	\$504.00	\$0.00	\$0.00	\$0.00	\$0.00	\$504.00
	000004	3014311	07/13/2022	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.00
	000004	3014850	09/15/2022	\$78.00	\$0.00	\$0.00	\$0.00	\$0.00	\$78.00
	000004	3015377	10/13/2022	\$52.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.00
				\$1,272.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,272.00
	000005	3012882	02/14/2022	\$1,380.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,380.00
	000005	3013174	03/15/2022	\$132.00	\$0.00	\$0.00	\$0.00	\$0.00	\$132.00
				\$1,512.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,512.00

Invoice Listing

Sort Order: Department

Selection: Filters Set (1)

Invoices Dated: 2/1/2022 - 10/31/2022

Invoices Sorted by: Client-Mater

- Posted Invoices
- Void Invoices
- Unposted Invoices

Client	Matter	Invoice #	Invoice Date	Fees	Expenses	Costs	Interest	Tax	Total	
Default Department										
002051 CHATFIELD WATERSHED AUTHORITY										
		000006	3014418	07/13/2022	\$624.00	\$0.00	\$0.00	\$0.00	\$0.00	\$624.00
		000006	3014638	08/12/2022	\$1,817.50	\$0.00	\$0.00	\$0.00	\$0.00	\$1,817.50
		000006	3014851	09/15/2022	\$11,865.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,865.00
		000006	3015378	10/13/2022	\$2,092.00	\$0.00	\$27.03	\$0.00	\$0.00	\$2,119.03
					\$16,398.50	\$0.00	\$27.03	\$0.00	\$0.00	\$16,425.53
					\$51,011.50	\$0.00	\$420.04	\$0.00	\$0.00	\$51,431.54
		Department Total:			\$51,011.50	\$0.00	\$420.04	\$0.00	\$0.00	\$51,431.54
		Report Total:			\$51,011.50	\$0.00	\$420.04	\$0.00	\$0.00	\$51,431.54

Attachment 4



Bill To:

Chatfield Watershed Autho
 Attn: Diane Keilty
 P.O. Box 460736
 Denver, CO 80246

Remit To:

RESPEC
 Attn: Accounts Receivable
 P.O. Box 725
 Rapid City, SD 57709-0725

Phone (605) 394-6400, FAX (605) 394-6514

Contract Number :	Invoice Date	09/30/22
Purchase Order No.	Payment Terms :	NET 30
RESPEC Project Number :	Invoice No.	INV-0922-1245
W0035.22002	Invoice Period:	09/01/2022 - 09/30/2022

June 2021 - May 2022 Contract

Description	Budget	Previous Billings	Current Billings	Billed to Date	Amount Remaining	Percent Complete	Amount Due This Invoice
Board & Committee Support	\$21,190.00	\$3,280.00	\$2,562.50	\$5,842.50	\$15,347.50	27.57%	\$2,562.50
Water Quality Monitoring Data	\$9,410.00	\$3,540.00		\$3,540.00	\$5,870.00	37.62%	
Regulatory Technical Support	\$18,975.00	\$8,507.50	\$1,127.50	\$9,635.00	\$9,340.00	50.78%	\$1,127.50
Advancing Strategic Initiatives	\$27,760.00	\$512.50	\$1,025.00	\$1,537.50	\$26,222.50	5.54%	\$1,025.00
Direct Expenses	\$360.00				\$360.00		
Grand Total	\$77,695.00	\$15,840.00	\$4,715.00	\$20,555.00	\$57,140.00	26.456%	\$4,715.00
AMOUNT DUE THIS INVOICE							\$4,715.00



Invoice Supporting Information

Cost Category	PLC Desc	RESPEC Project No.	Name	Week Ending Date	Hours	Billing Rate	Amount To Bill	Reference #	Description
Labor	Principal	W0035.22002.003	Leak, Alan J	09/03/22	3.00	\$205.00	\$615.00		Labor Hours
	Principal	W0035.22002.001		09/10/22	3.00	\$205.00	\$615.00		Labor Hours
	Principal	W0035.22002.003		09/10/22	0.50	\$205.00	\$102.50		Labor Hours
	Principal	W0035.22002.001		09/17/22	2.00	\$205.00	\$410.00		Labor Hours
	Principal	W0035.22002.003		09/17/22	2.00	\$205.00	\$410.00		Labor Hours
	Principal	W0035.22002.001		09/24/22	0.50	\$205.00	\$102.50		Labor Hours
	Principal	W0035.22002.004		09/24/22	1.50	\$205.00	\$307.50		Labor Hours
	Principal	W0035.22002.001		09/30/22	7.00	\$205.00	\$1,435.00		Labor Hours
	Principal	W0035.22002.004		09/30/22	3.50	\$205.00	\$717.50		Labor Hours
						23.00		\$4,715.00	
Labor					23.00		\$4,715.00		
Total					23.00		\$4,715.00		



Task Summary

RESPEC Project ID & Description	Current Hours	Current Dollars	Hours Billed to Date	Dollars Billed to Date
W0035.22002.001 - Board & Committee Support	12.50	\$2,562.50	28.50	\$5,842.50
W0035.22002.002 - Water Quality Monitoring Data			29.50	\$3,540.00
W0035.22002.003 - Regulatory Technical Support	5.50	\$1,127.50	47.00	\$9,635.00
W0035.22002.004 - Advancing Strategic Initiatives	5.00	\$1,025.00	7.50	\$1,537.50
Overall - Total	23.00	\$4,715.00	112.50	\$20,555.00

Attachment 5



Lynker Technologies, LLC
 338 E Market Street
 Suite 100
 Leesburg, VA 20176

Invoice

Date 10/17/22 **No.** SI010194

Billing Period 09/01/22 to 09/30/22
 Period of Perf. 07/01/21 to 12/31/22

Bill To
 Chatfield Watershed Authority
 PO Box 460736
 Glendale, Colorado 80246
 USA

Prime Cont. No.	Contract Type	Funded	Funded Fee	% Rem.	Fund. Rem.	Project No.	Due Date
	TM	29,360		79.34	23,295.00	10112-001	11/16/22

Description	Current		ITD	
	Rate	Hrs	Billing	Billing
Labor				
TASK 1 Model Discussions				
Joshua Sturtevant (Water Resource Scientist)	100.00		1.00	100.00
William Szafranski (Water Resource Scientist)	120.00		0.25	30.00
TASK 2 Simulate Watershed wo Discharges				
Cameron Wobus (Climate Change Project Lead)	180.00		1.25	225.00
William Szafranski (Water Resource Scientist)	120.00		28.50	3,420.00
TASK 3 Simultate Wasteload Allocation				
Nayoung Hur (Junior Water Resource Engineer)	100.00	10.00	1,000.00	1,000.00
William Szafranski (Water Resource Scientist)	120.00	3.75	450.00	1,290.00
	Labor Subtotal	13.75	1,450.00	6,065.00
	Withholding		0.00	0.00
	Invoice Subtotal	13.75	1,450.00	6,065.00
	Sales Tax		0.00	
	Invoice Total		1,450.00	
	Overpayment		-2125.00	
	Invoice Total		675.00	

Attachment 6

ACTION MEMORANDUM CHATFIELD WATERSHED AUTHORITY

Date: November 1, 2022

TO: CWA TAC

FROM: Alan J. Leak, P.E., Technical Consultant

SUBJECT: Draft 2023 CWA Budget and the 2023-2028 Planning Budget.

SUMMARY OF ACTION REQUESTED: Review and recommend approval to the Board of the draft 2023 budget and the 2023-2028 planning budget.

RECOMMENDED EFFECTIVE DATE: January 1, 2023

COST IMPACTS: The draft 2023 budget includes revenues in the amount of \$280,952 and expenditures in the amount of \$399,098. Assuming the projected starting fund balance in 2023 of \$290,052, the ending fund balance in 2023 is projected to be \$171,906, with expenditures exceeding revenues by \$118,146. Projected revenues and expenditures through 2024 are expected to continue to deplete the CWA's fund balance and will likely fall below the recommended minimum \$100,000 fund balance at the end of 2024. The 2023-2028 planning budget workbook includes estimated additional expenditures for upcoming water quality rulemaking processes and NPS projects should the Board choose to participate in those processes and projects. If so, based on the planning estimates, an additional \$618,457 in revenue will be required from 2024 to 2028 to cover the estimated additional expenditures.

PURPOSE / BACKGROUND: The CWA Board will meet on November 14th, 2022, at which time a final draft 2023 budget will be presented for review and adoption. The CWA TAC advises the Board on budgetary matters and a draft 2023-2028 budget workbook was presented at the October 17, 2022, Board meeting. At that meeting the Board discussed the draft 2023 budget and the 2023-2028 budget workbook and requested that the TAC finalize a proposed 2023 budget for their review/approval. The Board also adopted the 2023 dues.

Draft 2023 Budget: The draft 2023 budget is based upon the 2022 budget, as modified by previous board actions and input from CWA consultants, and current projections of revenues and expenditures in 2022. Key assumptions in the 2023 budget are as follows:

Dues. In 2022, the CWA Board approved a 20% increase in the 2022 member dues. The proposed 2023 budget assumes that this increase will be carried forward to 2023. The budget also assumes a voluntary dues contribution of \$4,800 from non-members. The monitoring In-kind contributions remain at the same level as in 2022 (Please note that any changes in these contributions are equally reflected as an expense and thus do not impact the end of year balance).

Technical and Legal Fees. At the July 24, 2022, CWA Board meeting the CWA Board approved a budget amendment that added funding in 2022 for the Lakes Nutrients hearing previously scheduled for November 2022 as well as reallocated funding in other funding categories. That budget amendment increased the previously amended 2022 budget from \$328,174 to \$361,887 (+\$33,713). At that time, a limited scope rulemaking for Regulation #73 was still considered to be needed. After that meeting, the limited scope rulemaking for Regulation #73 has been postponed indefinitely (informally) and the Lakes Nutrients rulemaking hearing has been delayed to April 2023. Therefore, part of the funding for the Regulation #73 hearing has been moved for use in the Lakes Nutrients hearing effort and the Lake Nutrients rulemaking budget not used or needed in 2022 has been moved to 2023. This adjustment is reflected in the estimated 2022 budget as of 9/30/2022 and the proposed budget for 2023.

Financial Services. The proposed 2023 financial services budget remains the same as was budgeted for 2022.

Inflation. Previous planning workbooks have assumed a 3% increase in all expenses due to inflation. Given the large increase in inflation in 2021 and 2022, the 2023 budget assumes a 6% increase in all expenses for 2023 except as follows:

- NPS Projects and Consultants: Approximate 6% increase, rounded for budgeting
- Authority Management Fees: 10% increase
- Financial Services: No increase

NPS Projects and Consultants. The proposed 2023 budget maintains the previously planned 2023 NPS projects and work while shifting watershed work planned for 2022 to 2023.

Lobbyist. The need for a lobbyist to shepherd a long-term funding initiative for the CWA has been discussed with the TAC and the Board. I am currently budgeting an estimated \$35,000 expense for a lobbyist in 2023 as a placeholder for this work.

2023-2028 Planning Budget: The 2023-2028 Planning Budget Workbook includes a separate tab which presents estimates of additional expenditures for future water quality rulemaking processes and NPS projects should the Board choose to participate in those processes and projects. The spreadsheet includes four separate line items as follows:

- Lakes/Nutrients Rulemaking. There is proposed additional rulemaking in 2027 to complete the lakes/nutrients standards for all Colorado reservoirs and streams. It is unknown if the standards adopted in the 2023 rulemaking hearing will be further modified and what will be proposed as final nutrient standards for streams. If the CWA chooses to not participate in this rulemaking process, the CWA will not have a direct voice in determining if the proposed standards are appropriate and/ or whether they are needed to protect beneficial uses in the watershed.
- Regulation #73 Rulemaking. It is likely that a rulemaking hearing will be proposed for Regulation #73 to adopt revised TMAL allocations for Chatfield Reservoir along with other updates / revisions to the Regulation. It is anticipated that this rulemaking hearing will also determine wasteload allocations for MS4 entities as they are now considered to be point sources. If the CWA chooses to not participate in this rulemaking process, the CWA will not

have a direct voice in determining the proposed TMAL allocations nor other possible revisions that, if adopted, may not be in the best interests of the CWA members. It should be noted that Regulation #73 includes the following: “The activities to support revisions to allocations of the allowable load are identified below. The Authority shall implement these activities, as allowed by applicable funding levels (underline added), for review by the Division and Commission at the next triennial review”. The CWA may be able to delay the implementation of activities to revise the TMAL but it is uncertain for how long the Water Quality Control Commission will wait for this effort. It has been 13 years since this requirement was included in Regulation #73.

- Increase Projects Budget. There have been previous discussions of the possibility of the CWA substantially participating in a larger NPS project as well as suggestions by the Water Quality Control Division of the CWA doing more NPS work. The current 2023-2028 budget includes \$29,000/year for NPS projects. If the CWA decides to maintain the \$29,000 annual NPS projects budget, these additional projects would not be funded.
- Cost to Secure Additional Funding. Only the draft 2023 budget includes funding of a lobbyist to help secure additional revenue for the CWA. There may be additional costs associated with this effort that cannot be estimated at this time.

If none of the estimated additional expenditures are ultimately needed or implemented, there is still a small amount of revenue increase needed to maintain the recommended \$100,000 fund balance. This represents about \$13,000 annually from 2024-2028.

TAC RECOMMENDATION(S): Recommend the CWA Board approve the 2023 Budget as presented.

PROPOSED TAC MOTION: Recommend the CWA Board approve the 2023 Budget as presented.

Attachment: CWA Budget Planning Workbook 2023-2028 Version 10/17/2022

cc:

Attachment 7

Chatfield Watershed Authority 2022 Budget Planning Workbook Revision (For Information Only)

10/17/2022

All Financial Numbers Rounded to the Nearest Dollar

Line Item #		2018 Budget	2019 Budget	2020 Adjusted Budget	2020 Actual	2021 Adjusted Budget	2021 Actual	2022 Original Planning Budget	2022 Adopted Budget	2022 Current Budget (as amended)	2022 Current Budget (estimated as of 9/30/2022)	2023 Planning Budget	2023 Proposed Revised Budget	2024 Planning Budget	2025 Planning Budget	2026 Planning Budget	2027 Planning Budget	2028 Planning Budget	Line Item Comments for 2023 Proposed Budget	
	Income																			
4001 - 4019	Member Dues	\$170,005	\$172,005	\$170,005	\$170,005	\$172,005	\$172,005	\$172,005	\$208,806	\$208,806	\$208,806	\$206,406	\$204,006	\$204,006	\$204,006	\$204,006	\$204,006	\$204,006		
4038 - 4045	Monitoring In-Kind	\$74,546	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	Monitoring: In-Kind Income is matched with In-Kind Expenditures (Line Item 5111)
4103	Interest Income	\$0	\$20	\$0	\$67	\$0	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Other- Voluntary Dues /Other Income	\$2254	\$0	\$2,500	\$13,460	\$0	\$12,005	\$2,000	\$0	\$0	\$0	\$2,400	\$4,800	\$4,800	\$4,800	\$4,800	\$4,800	\$4,800	\$4,800	
	Total Income	\$246,805	\$244,171	\$244,651	\$255,678	\$244,151	\$256,195	\$246,151	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	\$280,952	
	Expenditures																			
5001	Management Fees - Technical	\$94,518	\$0	\$73,000	\$68,524	\$70,000	\$64,982	\$72,100	\$77,100	\$87,100	\$82,100	\$76,426	\$81,426	\$78,719	\$81,080	\$83,513	\$86,018	\$88,599	Moved \$5000 for Lakes Nutrients Rulemaking from 2022 to 2023.	
5002	Management Fees - Authority	\$0	\$30,000	\$36,600	\$28,470	\$35,000	\$35,000	\$36,050	\$36,050	\$36,050	\$36,050	\$39,655	\$39,655	\$40,845	\$42,070	\$43,332	\$44,632	\$45,971		
5003	Website Hosting	\$3,000	\$3,475	\$3,600	\$3,750	\$7,100	\$4,450	\$3,708	\$3,708	\$3,708	\$3,708	\$3,930	\$3,930	\$4,048	\$4,170	\$4,295	\$4,424	\$4,557		
5004	NPS Projects and Consultants	\$2505	\$0	\$45,500	\$31,588	\$34,400	\$6,740	\$69,000	\$64,000	\$62,713	\$38,713	\$74,000	\$92,000	\$134,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	Added \$18,000 to catch up on watershed/reservoir linkage
5005	Legal - Admin	\$0	\$12000	\$20,000	\$17,475	\$56,100	\$57,358	\$20,600	\$59,240	\$84,240	\$59,240	\$33,644	\$58,640	\$34,654	\$35,693	\$36,764	\$37,867	\$39,003	Moved \$25000 for Lakes Nutrients Rulemaking from 2022 to 2023	
5006	Misc. Admin.	\$385	\$35	\$500	\$0	\$500	\$106	\$515	\$515	\$515	\$515	\$546	\$546	\$562	\$579	\$597	\$614	\$633		
5007	Prof'l. Fees – Financial	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$9,750	\$12,360	\$9,750	\$9,750	\$9,750	\$9,750	\$9,750	\$10,043	\$10,344	\$10,654	\$10,974	\$11,303		
5103	Monitoring	\$0	\$17000	\$5,000	\$0	\$0	\$0	\$5,150	\$5,150	\$5,150	\$5,150	\$5,459	\$5,459	\$5,623	\$5,791	\$5,965	\$6,144	\$6,328		
5109	Public Outreach	\$3,800	\$1550	\$1,550	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0							
5110	Insurance	--	\$4000	--	--	--	--	--	--	--	--	--	--							
5015	Technical and Other Consultants	--	\$87700	--	--	--	--	--	--	--	--	--	--							
5115	Pub Outreach - Consultants	--	\$3,800	\$2,200	\$565	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	Added \$35,000/yr. for potential lobbyist for securing long term funding .
5117	Pub Outreach - Sponsorships	--	\$500	\$500	\$235	\$500	\$450	\$515	\$515	\$515	\$515	\$546	\$546	\$562	\$579	\$597	\$614	\$633		
5111	Monitoring In- Kind	\$74,586	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	\$72,146	Monitoring: In-Kind Expenditures matched to In- Kind Income (Lines 4038-4045)
	Total Expenditures	\$190,794	\$244,206	\$272,596	\$234,753	\$287,746	\$250,982	\$292,144	\$328,174	\$361,887	\$307,887	\$316,103	\$399,098	\$381,201	\$281,453	\$286,862	\$292,434	\$298,172		
	Net Change in Fund Balance	\$56,011	-\$35	-\$27,945	\$20,925	-\$43,595	\$5,213	-\$45,993	-\$47,222	-\$80,935	-\$26,935	-\$35,151	-\$118,146	-\$100,249	-\$501	-\$5,910	-\$11,482	-\$17,220		
	Ending Fund Balance (Budget)	\$290,814	\$290,849	\$262,904		\$268,179		\$270,994	\$269,765	\$236,052	\$290,052	\$254,901	\$171,906	\$71,656	\$71,155	\$65,245	\$53,763	\$36,543	Policy is to maintain minimum ending fund balance of \$100,000.	
	Ending Fund Balance (Actual/Estimated)	\$290,814	\$290,849		\$311,774		\$316,987													This Planning Budget does not include potential expenditures in 2025-2028 for a full Regulation #73 rulemaking hearing and TMAL revision, nor other potential unknown expenses and desired expenditures (i.e. 2027 Lakes nutrients rulemaking & added NPS projects).

DRAFT

Chatfield Watershed Authority 2022-2028 Budget Planning Workbook (For Information Only)
10/17/2022

Current Planned Budget	2022	2023	2024	2025	2026	2027	2028	Total	Comments
Beginning Balance	\$ 316,987	\$ 290,052	\$ 171,906	\$ 71,656	\$ 71,155	\$ 65,245	\$ 53,763		
Net Revenues	\$ 280,952	\$ 280,952	\$ 280,952	\$ 280,952	\$ 280,952	\$ 280,952	\$ 280,952	\$ 1,966,664	
Net Expenses	\$ 307,887	\$ 399,098	\$ 381,201	\$ 281,453	\$ 286,862	\$ 292,434	\$ 298,172	\$ 2,247,108	
Net Change	\$ (26,935)	\$ (118,146)	\$ (100,249)	\$ (501)	\$ (5,910)	\$ (11,482)	\$ (17,220)	\$ (280,444)	
Projected Ending Balance	\$ 290,052	\$ 171,906	\$ 71,656	\$ 71,155	\$ 65,245	\$ 53,763	\$ 36,543		
Possible Future Expenses									
Lakes/Nutrients Rulemaking					\$ 50,000	\$ 50,000		\$ 100,000	Rely on Others Analysis
Regulation #73 Rulemaking (after 2022)									
General Rulemaking				\$ 40,000	\$ 20,000			\$ 60,000	Legal/Technical
TMAL Revision			\$ 75,000	\$ 100,000	\$ 100,000			\$ 275,000	Modeling/Stakeholders
Increase Projects Budget				\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 120,000	Build One Project
Cost to Secure Additional Funding								\$ -	Unknown
Total Additional Potential Expenses	\$ -	\$ -	\$ 75,000	\$ 170,000	\$ 200,000	\$ 80,000	\$ 30,000	\$ 555,000	
Projected Ending Balance	\$ 290,052	\$ 171,906	\$ (3,344)	\$ (173,845)	\$ (379,755)	\$ (471,237)	\$ (518,457)		
Potential Dues Increase (or other funding to maintain 2028 ending fund balance of \$100,000).			\$ 123,691	\$ 123,691	\$ 123,691	\$ 123,691	\$ 123,691	\$ 618,457	61%
Projected Net in CWA Account	\$ 290,052	\$ 171,906	\$ 120,348	\$ 73,538	\$ (8,681)	\$ 23,529	\$ 100,000	\$ 816,788	

WATERSHED SERVICES AND PROJECTS : 2021 - 2024

10/17/2022 Draft

TMAL DEVELOPMENT							Comments
Description	Cost Estimate	In-kind	Agency	Consultant Support	Year	Outcome	
Triennial Review Informational Hearing	Included in Technical		CWA	Tech. Consultant	2021 & 2022	Provide status update to the WQCC	
Reassign Load Allocations, assuming WLA remain static	\$40,000		CWA	Lynker/ Tech. Consultant	2024	When required by the WQCC	
Total 2021-2024	\$40,000						
WATERSHED MODEL							
Model Update	\$0	\$10,000 DWB	CWA	Lynker	2021	Update model to include the last 5 years of water quality data.	Done
Model Refinement	\$16,000		CWA	Lynker	2023	Review and analyze results. Refine model calibration if warranted from scenario results and/or use of updated information.	
Scenario Runs	\$24,720		CWA	Lynker	2021	Use of model for running management scenarios to target problem areas, quantify benefits of NPS projects in the watershed, and evaluate options for reducing nutrient loads to Chatfield Reservoir.	Done
Scenario Runs	\$33,000		CWA	Lynker	2024	Use of model for running management scenarios to target problem areas, quantify benefits of NPS projects in the watershed, and evaluate options for reducing nutrient loads to Chatfield Reservoir.	
Watershed / reservoir model linkage	\$5,000		CWA	Lynker/Hydros	2023	Explore methodology to link the watershed model to the reservoir model - Coordination with CRMC	Move to 2023 from 2022
Watershed / reservoir model linkage	\$37,000		CWA	Lynker/Hydros	2023	Establish methodology to link the watershed model to the reservoir model - Coordination with CRMC	Move to 2023 from 2022
Watershed / reservoir model linkage	\$37,000		CWA	Lynker/Hydros	2024	Link the watershed model to the reservoir model - Coordination with CRMC	
Total 2021-2024	\$152,720						
NPS PROJECT FUNDING							
Description	Cost to CWA	In-kind Costs	Primary Funding Agency(s)	CWA Partnership Opportunities	Year		
Wildfire Mitigation	\$29,000/Year	??	??	Mitigation Projects / Grant Funding	2022-2024	Includes \$5000 Hilldale Pines Wildfire Mitigation Grant Pledge (Assume now in 2023)	
Agricultural Mitigation				NRCS Grants / CALF	2022-2024		
Septic Systems Mitigation				Tri-County Health	2022-2024		
Erosion Mitigation				Stream Sampling Plan, Grant Funding	2022-2024	Includes \$5000 for WPCSM (2022)	
2021-2024	\$116,000	\$29,000/yr for 4 years					
Total Year 2021	\$48,720						
Total Year 2022	\$34,000						
Total Year 2023	\$92,000						
Total Year 2024	\$134,000						
Grand Total	\$308,720						

Attachment 8

2023 CWA Dues Worksheet

Yearly Dues Established in the 2016 Bylaws and Subsequent Revisions				Adopted 2022 Dues	Adopted 2023 Dues
	Entity		Dues		
\$150,000/Year	Jefferson County	16.10%	\$24,155	\$28,986	\$28,986
Split Between	Douglas County	41.95%	\$62,925	\$75,510	\$75,510
these 3 Entities	Castle Rock	41.95%	\$62,925	\$75,510	\$75,510
	Plum Creek WRA	*	\$2,000	\$2,400	\$2,400
	Roxborough Park		\$2,000	\$2,400	\$2,400
	Castle Pines Metro District		\$2,000	\$2,400	\$2,400
	Perry Park W&S District		\$2,000	\$2,400	\$2,400
	Denver Water Department	*	\$2,000	\$2,400	\$2,400
	City of Littleton		\$2,000	\$2,400	\$2,400
	Centennial W&S District	*	\$2,000	\$2,400	\$2,400
	Town of Larkspur		\$2,000	\$2,400	\$2,400
	Louviers Water & San. District		\$2,000	\$2,400	\$2,400
	Sacred Heart (Voluntary)		\$2,000	\$2,400	\$2,400
	Dominion W&S District	*	\$2,000	\$2,400	\$2,400
	Total		\$172,005	\$206,406	\$206,406
	* Entities also providing In-kind Services				

Attachment 9

2023 Chatfield Watershed Authority Schedule

		TAC Meetings		Board Meetings
Month	Materials Deadline	Virtual Meetings	Materials Deadline	Hybrid: Live/Virtual Meetings
January	Materials Deadline Tuesday, December 27th	Tuesday, January 3rd 2:00 – 4:00 p.m.	Materials Deadline Tuesday, January 17th	Monday, January 23rd 3:00 – 5:00 p.m. Location & Format?
February	Materials Deadline Tuesday, January 31st	Tuesday, February 7th 2:00 – 4:00 p.m.		
March	Materials Deadline Tuesday, February 28th	Tuesday, March 7th 2:00 – 4:00 p.m.		
April	Materials Deadline Tuesday, March 28th	Tuesday, April 4th 2:00 – 4:00 p.m.	Materials Deadline Tuesday, April 11th	Monday, April 17th 3:00 – 5:00 p.m. Jefferson County Hybrid
May	Materials Deadline Tuesday, April 25th	Tuesday, May 2nd 2:00 – 4:00 p.m.		
June	Materials Deadline Tuesday, May 30th	Tuesday, June 6th 2:00 – 4:00 p.m.		
July	Materials Deadline Tuesday, June 20th	Tuesday, June 27th 2:00 – 4:00 p.m.	Materials Deadline Monday, July 10th	Monday, July 17th 3:00 – 5:00 p.m. Location & Format?
August	Materials Deadline Tuesday, July 25th	Tuesday, August 1st 2:00 – 4:00 p.m.		
September	Materials Deadline Tuesday, August 29th	Tuesday, September 5th 2:00 – 4:00 p.m.		
October	Materials Deadline Tuesday, September 26th	Tuesday, October 3rd 2:00 – 4:00 p.m.	Materials Deadline Monday, October 9th	Monday, October 16th 3:00 – 5:00 p.m. Jefferson County Hybrid
November	Materials Deadline Tuesday, October 24th	Tuesday, October 31st 2:00 – 4:00 p.m.	Materials Deadline Monday, November 13th	Monday, November 20th 3:00 – 5:00 p.m. Location & Format?
December	Materials Deadline Tuesday, November 28th	Tuesday, December 5th 2:00 – 4:00 p.m.		

Attachment 10

ACTION MEMORANDUM CHATFIELD WATERSHED AUTHORITY

Date: October 24, 2022

TO: Chatfield Watershed Authority (CWA) Technical Advisory Committee (TAC)

FROM: Michael Daugherty, Somach Simmons & Dunn (SSD)

SUBJECT: Determine CWA's position in the WQCC's lakes nutrients rulemaking for PHS due 12/23/22

PURPOSE / BACKGROUND:

CWA is participating in the Colorado Water Quality Control Commission's rulemaking regarding revisions to Regulation Nos. 85, 31, and 32-38, which involves revising the nutrient standards for lakes and reservoirs across the state. The Water Quality Control Division's supplemental prehearing statement clarified that the state is proposing to impose a total nitrogen (TN) standard of 380 ug/L for Chatfield Reservoir starting in 2023. Based on data provided by Alan Leak, Chatfield Reservoir has varied in its attainment of this standard over the past ten years, and would likely be out of compliance currently if the standard had existed for the past five (5) years. We plan to discuss the rulemaking and the proposed table value standards at the November 1 TAC meeting and recommend that TAC vote to determine CWA's stance so that SSD can begin drafting CWA's prehearing statement.

SUMMARY OF ACTION REQUESTED:

Determine CWA's position in the rulemaking discussed above. CWA has many options related to its position in the rulemaking, but for simplicity, we have broken down certain options below. TAC may modify these options if the preceding discussion so warrants.

1. Does CWA want to support the Division's proposed TN standard for Chatfield?
 - a. Yes? The PHS will indicate support for the Division's proposal.
 - b. No? Continue to (2).
2. Does CWA want to pursue a site-specific standard?
 - a. Yes? By what date should we indicate that we will provide the State with our recommended site-specific standard? 2025? What if we don't provide one?
 - b. No? Do we not want a TN standard at all for Chatfield?
 - i. Because of the errors in the Division's data/methodology?
 - ii. Because the science does not support a TN standard for water quality purposes?
 - iii. Cost/practical concerns?
 - iv. Other reasons?
3. If CWA decides to pursue a site-specific standard, do we want to accept the State's proposed standard for the period of 2023-2025 (or the date that CWA provides a recommended site-specific standard, if later than 2025)?
 - a. Yes? Do we want to request any specific concessions (i.e. that the five-year compliance period start over once we have implemented a site-specific standard)?
 - b. No? Do we want to request to not have a TN standard at all until we have a site-specific standard in place?

PROPOSED MOTION TO TAC:

Motion to direct SSD to draft a prehearing statement for the WQCC's lakes nutrients rulemaking that indicates CWA takes the following position regarding the Division's proposed TN standard for Chatfield Reservoir: (position voted on).

Motion to recommend the CWA Board of Directors vote at the November 17, 2022, Board of Directors meeting in support of CWA's position as determined by TAC.

Attachment 11

DRAFT MEMORANDUM

To: Chatfield Watershed Authority Technical Advisory Committee
cc: Diane Kielty, Colorado Watershed Assembly; Alan Leak, RESPEC
From: Bill Szafranski, Lynker Technologies
Subject: Chatfield Watershed Model – Point Source Model Results
Date: October 28, 2022

Introduction

The Chatfield watershed model was built to simulate total phosphorus loading in the Chatfield watershed. The model was built in 2016 using the Hydrologic Simulation Program – FORTRAN (HSPF) and was setup to run from January 1, 1995 to September 30, 2015 at an hourly time step. The model was calibrated using water quality records from 2000 to 2015. The model currently simulates five point source discharges in the watershed: Plum Creek Water Reclamation Authority (PCWRA), Lockheed Martin, Sageport wastewater treatment facility (WWTF), Waucondah WWTF, and the Roxborough WWTF (see Figure 1). In most instances the point sources are simulated in the model from 2000 to 2015 using average monthly data. The Louviers and Town of Larkspur WWTFs were not included in the model because they had not recently discharged to the watershed when the model was built (Leonard Rice Engineers and Lynker Technologies, 2016).

Purpose

In this analysis, we evaluate the impact of changes to the point source discharges in the watershed by simulating the point source discharges a) off and b) increased to the full wasteload allocation. In the first analysis, to evaluate the impact of these point sources on total phosphorus loading in the Chatfield Reservoir watershed, we ran the model with these five point source discharges turned off and compared the results to the watershed model representing historical conditions with point sources operating normally. In the second analysis, we ran the model with the point source dischargers set to their full wasteload allocation and we compared the results with the watershed model representing historical conditions.

Point Source Observational Data

For each of the point sources, we calculated average monthly orthophosphorus and organic phosphorous loads from available observational total phosphorus data. The observational data were collected at different frequencies and durations for each of the point sources, as summarized below.

- The Plum Creek Water Reclamation Authority (PCWRA) is located on East Plum Creek at Highway 85 and West Happy Canyon Road, and are loaded into the modal in reach 52. The PCWRA total phosphorus point source data typically includes four to five data points per month between January 2000 and October 2012 and one data point per

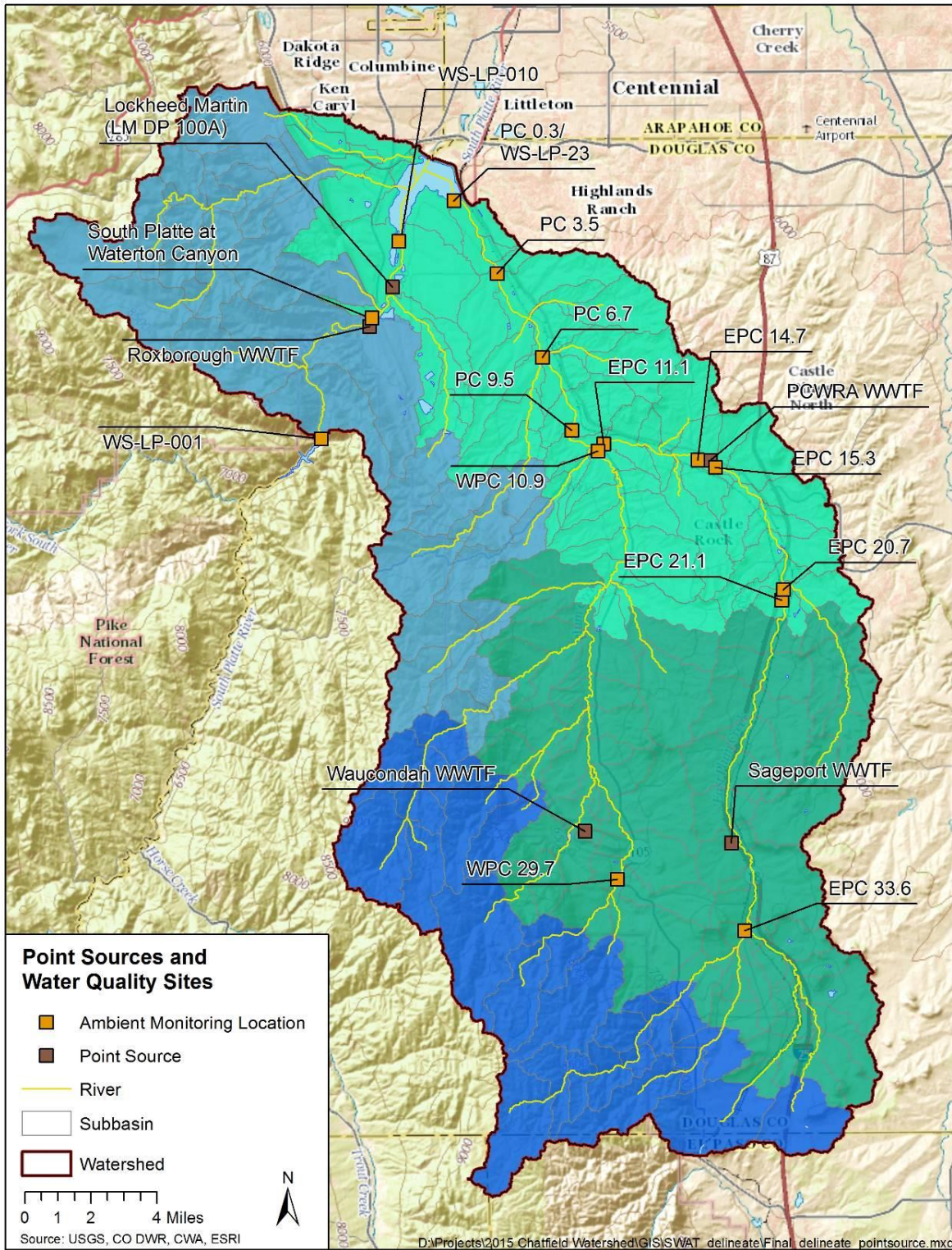
month between November 2012 and July 2015, with average monthly values used from August 2015 to September 2015.

- The Lockheed Martin facility discharges to the South Platte River near Waterton Canyon, and the data is loaded into the model in reach 16. The Lockheed Martin total phosphorus point source data typically includes four data points per month from January 2000 to October 2007 and one data point per month from November 2007 to June 2015, with average monthly values used from July 2015 to September 2015.
- The Sageport wastewater treatment facility (WWTF) discharges to East Plum Creek, and the data is loaded into model reach 116. The Sageport point source data includes one total phosphorus measurement per month from January 2005 to December 2014, with data from 2009 and 2015 filled using average monthly values.
- The Waucondah WWTF discharges into Bear Creek, a tributary to West Plum Creek, and the data is loaded into model reach 113. The Waucondah point source data includes one total phosphorus measurement per month from January 2005 to December 2014, with data from 2015 filled using average monthly values. This data was used to calculate average monthly orthophosphorus and organic phosphorus loads to use in the model.
- The Roxborough WWTF is located near the South Platte River, and the data is loaded into model reach 29. The Roxborough point source data typically includes 4 to 5 data points per month from January 2000 to September 2007, except for September through December 2001 and all months in 2003, which were filled using average monthly values. Roxborough stopped discharging into the Chatfield watershed after 2007 when it conveyed its effluent to the Littleton Englewood WWTF (Leonard Rice Engineers and Lynker Technologies, 2016).

A summary of the annual total phosphorus point source loads included in the model is provided in Table 1.

Table 1: Annual Total Phosphorus Point Source Load

Year	PCWRA (lbs)	Lockheed Martin (lbs)	Sageport WWTF (lbs)	Waucondah WWTF (lbs)	Roxborough WWTF (lbs)
2000	1,250	310	0	0	480
2001	1,630	140	0	0	450
2002	2,650	190	0	0	550
2003	3,310	180	0	0	770
2004	3,910	200	0	0	830
2005	2,650	230	62	103	1,180
2006	2,300	170	66	107	760
2007	2,180	280	51	144	970
2008	2,660	80	53	209	0
2009	2,880	20	47	101	0
2010	1,850	20	40	93	0
2011	2,210	10	34	81	0
2012	2,510	10	25	69	0
2013	1,860	20	25	85	0
2014	1,900	20	29	91	0
Average	2,380	120	43	105	750



Source: Figure 2-12 (Leonard Rice Engineers and Lynker Technologies, 2016)

Figure 1: Point Source Locations

Watershed Simulated without Point Source Discharges

We used the Chatfield watershed model to run scenarios with the point sources operating normally (the historical model) and with the point sources turned off. Here we provide simulated annual total phosphorus loads for the South Platte (model reach 16) and Plum Creek (model reach 15) (Table 2). On average, the total phosphorus contribution from the South Platte River decreased by 360 pounds per year and the total phosphorus contribution from Plum Creek decreased by 1,740 pounds per year when the model simulates the watershed without point source discharges.

Table 2: Simulated Annual Total Phosphorus Load

Year	South Platte River Total Phosphorus Load (lbs)			Plum Creek Total Phosphorus Load (lbs)		
	Historical Model	Point Sources Off	Difference	Historical Model	Point Sources Off	Difference
2000	5,600	5,000	590	3,420	2,680	730
2001	2,970	2,650	320	3,510	2,500	1,010
2002	3,480	3,030	450	2,800	1,070	1,720
2003	7,230	6,590	640	8,540	6,050	2,490
2004	6,980	6,260	720	6,300	3,220	3,080
2005	8,720	7,750	970	5,890	3,800	2,090
2006	4,300	3,690	610	5,110	3,440	1,670
2007	16,800	15,830	970	16,220	14,390	1,830
2008	4,050	3,970	70	4,700	2,690	2,010
2009	5,080	5,060	20	6,770	4,610	2,160
2010	3,980	3,970	20	11,690	10,300	1,390
2011	1,580	1,560	10	4,240	2,650	1,590
2012	640	630	10	3,840	2,100	1,750
2013	2,030	2,010	10	3,440	2,180	1,260
2014	5,950	5,920	20	4,250	2,920	1,340
Average	5,290	4,930	360	6,050	4,310	1,740

Full Wasteload Allocation Simulation

We used the Chatfield watershed model to run scenarios with four of the five point sources discharging their full wasteload allocation to represent future potential buildout conditions in the Chatfield Reservoir watershed. In this scenario the Roxborough point source does not discharge into the watershed due to a change in ownership of the wasteload (Table 3). The total phosphorus load simulated by the model in the wasteload allocation scenario is 5,699 pounds (lbs)/year (as shown in Table 3), which represents 75% of the total phosphorus wasteload allocation for all point sources in the watershed (7,605 lbs/year) (CWA, 2021).

Table 3: Total Phosphorus Annual Historical and Wasteload Allocation

Permittee	CDPHE Permit	Total Phosphorus Load (2010-2014) (lbs/yr)	Total Phosphorus Load (2021) (lbs/yr)	Total Phosphorus Wasteload Allocation (lbs/yr)
Plum Creek Water Reclamation Authority (PCWRA)	CO0038547	2,035	2,044	4,256
Lockheed Martin Space Systems Company	CO0001511	57	22.1	1,005
Perry Park Water and Sanitation District (Sageport)	CO0043044	41	59.4	73
Perry Park Water and Sanitation District (Waucondah)	CO0022551	107	173.8	365
Total		2,241	2,299	5,699

Note: Roxborough stopped discharging to the watershed in 2007, and their wasteload allocation is owned by the Dominion Water and Sanitation District, which was not modeled for this analysis.

The wasteload allocation modeling scenario simulates an increase of approximately 3,458 pounds of total phosphorus per year compared to the historical average (2005-2014), of which about 950 pounds are distributed to the South Platte River and 2,500 pounds are distributed to Plum Creek (see Table 4).

Table 4: Total Phosphorus Wasteload Allocation by River Basin (lbs)

Watershed	Wasteload Allocation	Historical (2005-2014)	Difference
South Platte	1,005	57	948
Plum Creek	4,694	2,183	2,511
Total	5,699	2,241	3,458

The total phosphorus load is the product of concentration and flow volume. Therefore, when simulating the wasteload allocation we evaluated increases to total phosphorus concentrations and flow. For this analysis, we assumed that future total phosphorus concentrations would remain similar to historical total phosphorus concentrations, as dischargers are trying to meet

concentration limits, so the increase in total phosphorus load comes from an increase in the total effluent (total flow) of the facility.

The historical total phosphorus concentrations and flow for each facility are shown in Table 5 along with the modified total phosphorus concentrations and flow for the full wasteload allocation scenario. For each facility, historical and wasteload concentrations are similar while flows have increased, contributing to the increase in total phosphorus load. The total phosphorus concentrations and flows from Table 5 were used to calculate a monthly total phosphorus load for each point source (Table 6), which sum to the total phosphorus annual wasteload allocation show in Table 3 (5,699 pounds).

Table 5: Simulated Total Phosphorus Annual Wasteload Allocation

Point Source	Historical Total Phosphorus Concentration (mg/L)	Historical Flow (ft ³ /s)	Wasteload Total Phosphorus Concentration (mg/L)	Wasteload Allocation Flow (ft ³ /s)
Plum Creek Water Reclamation Authority (PCWRA)	0.22	4.70	0.22	9.87
Lockheed Martin Space Systems Company	0.16	0.19	0.16	3.22
Perry Park Water and Sanitation District (Sageport)	0.24	0.23	0.26	0.71
Perry Park Water and Sanitation District (Waucondah)	0.30	0.07	0.31	0.12

Table 6: Total Phosphorus Monthly Wasteload Allocation (lbs)

Month	PCWRA	Lockheed	Sageport	Waucondah	Roxborough	Total
January	361	85.4	6.1	30.4	0	483
February	326	77.1	6.1	30.4	0	440
March	361	85.4	6.1	30.4	0	483
April	350	82.6	6.1	30.4	0	469
May	361	85.4	6.1	30.4	0	483
June	350	82.6	6.1	30.4	0	469
July	361	85.4	6.1	30.4	0	483
August	361	85.4	6.1	30.4	0	483
September	350	82.6	6.1	30.4	0	469
October	361	85.4	6.1	30.4	0	483
November	350	82.6	6.1	30.4	0	469
December	361	85.4	6.1	30.4	0	483
Total	4,256	1,005	73	365	0	5,699

The results from the model simulation are shown at key locations in the watershed, South Platte River at Chatfield Reservoir and Plum Creek at Chatfield Reservoir for total phosphorus (Table 7) and total flow (Table 8). Supplementary model results are provided for the point source locations in Table 9 including, PCWRA (reach 52), Lockheed Martin (reach 16), Sageport (reach 116), and Waucondah (reach 113).

The model simulation shows there is an average annual increase in total phosphorus of approximately 620 pounds in the South Platte River and an average annual increase in total phosphorus of approximately 1,830 pounds in Plum Creek (Table 7). For the South Platte River, we note that the average annual increase is really 960 pounds (using years 2008-2014), because the Roxborough point source discharges from 2000 to 2007 in the historical model but does not discharge at all in the wasteload allocation simulation, which causes an anomalously low difference from 2000 to 2007. This increase is comparable to the increase for the South Platte shown in Table 4, indicating that all of the simulated increase in total phosphorus load reaches Chatfield Reservoir. In Plum Creek, the simulation shows that on average approximately 73% of the increase in the wasteload allocation is discharged to Chatfield Reservoir, indicating there is some loss from the point source dischargers to Plum Creek before reaching the reservoir.

In Table 8, the simulated flows for the South Platte at Chatfield Reservoir and Plum Creek at Chatfield Reservoir are provided to show the increase in flow between the wasteload allocation scenario and the historical model results. In Table 9, we show the simulated total phosphorus loads for each reach where a point source discharges into the watershed. The table shows the wasteload allocation scenario, the historical scenario, and the difference between the two model scenarios. The results confirm that the largest increases in total phosphorus load occur in the reaches where the PCWRA and Lockheed Martin discharge into the watershed.

Table 7: Total Phosphorus Annual Wasteload Allocation at Chatfield Reservoir

Year	Wasteload Allocation (lbs)		Modeled Historical (lbs)		Difference (lbs) (wasteload – historical)	
	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)
2000	6,020	6,940	5,610	4,110	410	2,820
2001	3,680	6,600	3,010	4,100	670	2,500
2002	4,080	4,810	3,550	3,090	530	1,720
2003	7,790	11,810	7,440	10,630	350	1,190
2004	7,310	7,570	7,050	6,870	270	700
2005	8,750	8,240	8,730	6,720	20	1,530
2006	4,690	7,470	4,310	5,610	380	1,870
2007	17,120	21,140	17,090	19,190	30	1,950
2008	4,930	6,590	4,020	5,110	920	1,480
2009	6,280	9,180	5,320	7,750	960	1,430
2010	5,840	17,490	4,860	15,260	970	2,220
2011	2,550	6,890	1,590	4,960	960	1,940
2012	1,630	6,130	680	4,420	950	1,720
2013	3,030	6,190	2,060	4,010	970	2,180
2014	6,920	7,260	5,950	5,070	970	2,190
Average	6,040	8,950	5,420	7,130	620	1,830

Table 8: Total Flow Annual Wasteload Allocation

Year	Wasteload Allocation (acre-foot (af))		Modeled Historical (af)		Difference (af) (wasteload – historical)	
	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)	South Platte at Chatfield Reservoir (Reach 16)	Plum Creek at Chatfield Reservoir (Reach 15)
2000	71,200	23,160	69,510	17,670	1,690	5,490
2001	52,910	19,390	51,260	14,210	1,650	5,180
2002	34,710	10,650	32,980	5,600	1,730	5,040
2003	53,520	30,330	51,960	25,610	1,560	4,730
2004	48,760	22,700	47,230	18,180	1,530	4,520
2005	76,180	29,400	74,780	25,190	1,400	4,220
2006	86,600	20,080	85,190	16,050	1,400	4,020
2007	258,780	65,650	257,230	62,000	1,550	3,650
2008	114,900	21,180	112,660	17,360	2,240	3,810
2009	113,850	30,010	111,610	26,560	2,240	3,450
2010	105,560	47,680	103,310	43,960	2,250	3,720
2011	61,860	17,050	59,600	13,400	2,260	3,650
2012	25,620	16,820	23,340	13,020	2,280	3,800
2013	55,900	17,010	53,630	13,720	2,270	3,300
2014	140,000	19,580	137,730	16,590	2,270	2,990
Average	86,690	26,050	84,800	21,940	1,890	4,100

Table 9: Total Phosphorus Annual Wasteload Allocation at Point Source Locations

Year	Modeled Wasteload Allocation (lbs)				Modeled Historical (lbs)				Difference (wasteload – historical)			
	PCWRA	Lockheed Martin	Sageport	Waucondah	PCWRA	Lockheed Martin	Sageport	Waucondah	PCWRA	Lockheed Martin	Sageport	Waucondah
2000	6,330	6,020	610	470	3,270	5,610	540	120	3,070	410	70	360
2001	6,160	3,680	600	460	3,490	3,010	530	100	2,680	670	70	360
2002	5,240	4,080	290	410	3,560	3,550	220	50	1,670	530	70	360
2003	8,310	7,790	2,210	800	7,290	7,440	2,140	430	1,020	350	70	360
2004	6,750	7,310	640	480	6,330	7,050	570	120	410	270	70	360
2005	6,860	8,750	1,090	580	5,230	8,730	1,080	320	1,630	20	10	250
2006	6,630	4,690	1,080	560	4,680	4,310	1,070	310	1,960	380	10	250
2007	12,010	17,120	4,200	1,210	9,910	17,090	4,180	1,000	2,090	30	20	210
2008	6,140	4,930	550	470	4,520	4,020	530	310	1,620	920	20	150
2009	7,130	6,280	960	520	5,730	5,320	940	260	1,400	960	30	260
2010	10,050	5,840	3,420	1,090	7,630	4,860	3,390	820	2,420	970	30	260
2011	6,470	2,550	490	450	4,410	1,590	450	170	2,070	960	40	280
2012	5,970	1,630	430	440	4,180	680	380	150	1,790	950	50	290
2013	5,970	3,030	480	450	3,550	2,060	430	170	2,430	970	50	280
2014	6,600	6,920	520	460	4,220	5,950	480	190	2,380	970	40	270
Average	7,110	6,040	1,170	590	5,200	5,420	1,130	300	1,910	620	40	290

PCWRA is located in model reach 52, Lockheed Martin is in reach 16, Sageport is in reach 116, and Waucondah is in reach 113.

References

Chatfield Watershed Authority, 2021. 2021 Annual Report. Accessed September 2022. Available online <https://www.chatfieldwatershedauthority.org/annual-reports>.

Leonard Rice Engineers and Lynker Technologies, 2016. Chatfield Watershed HSPF Model Report.

Attachment 12



Chatfield Watershed Authority

2022 Request for Qualifications for Lobbying Services

DATE ISSUED: October 19, 2022

DEADLINE FOR SUBMISSION: October 26, 2022

CONTACT PERSON: Diane Kielty, Program Manager
info@coloradowater.org

Chatfield Watershed Authority
RFQ for Lobbying Services
October 19, 2022

RFQ for Lobbying Services

COVER PAGE

Agency/Organization Name:

Address:

Phone:

Contact Name:

Contact Phone:

Contact Email:

Total Proposal Budget:

Chatfield Watershed Authority

RFQ for Lobbying Services

Background

The CHATFIELD WATERSHED AUTHORITY (“CWA”) offers this Request for Qualifications to respondents who are interested in service as the lobbying partner for the organization. This resulting contract is expected to be for nine months, with a possibility of extension.

Chatfield Reservoir is located 15 miles southwest of Denver, Colorado. The Chatfield Watershed spans parts of Jefferson, Douglas, and El Paso Counties, and includes municipalities, towns, and other populated areas, such as Castle Rock, Castle Pines, Larkspur, Littleton, Louviers, Perry Park, Roxborough Park, and Sedalia. The basin-wide group of counties, municipalities, special districts, private, and other entities, known as the Chatfield Watershed Authority, was established through an intergovernmental agreement (IGA) after the Chatfield Reservoir total phosphorus standard was adopted in 1984. In April 2016, the Authority amended the IGA and bylaws, providing for restructuring of its Board and governance. As such the Board is comprised of elected officials from Jefferson and Douglas Counties and Town of Castle Rock, a wastewater district representative and at-large representative. The 5-member Board is responsible for fiscal and policy matters and meets five times per year. A variety of standing committees may be developed to support issues requested by the Board. The Technical Advisory Committee (TAC) is a standing committee that generally meets monthly to support the Authority’s technical matters. Management of CWA is comprised of consultants reporting to the Board. Administrative and management services are provided under separate contract from this scope of work.

The Chatfield Reservoir receives drainage from the South Platte River basin and Plum Creek basin. The South Platte River is the major water source to Chatfield Reservoir, typically contributing over 75% of the inflow to the Reservoir.

Project Overview

CWA is seeking a contractor that can provide services in the areas of Government Affairs Management, Lobbying, Policy Analysis, and Legislative Monitoring.

- Work with CWA to identify and pursue legislative options to secure additional funding, particularly funding related to the Keep Colorado Wild Pass.
- For legislation initiated by CWA, lobbyist activities include but are not limited to: identifying and preparing sponsors, preparing and assisting witnesses, preparing fact

sheets/one-pagers, arranging communication with key legislators, preparing bill drafts and amendments, negotiating with other lobbyists and organizations, and other related activities necessary to achieve CWA's goals.

- Represent CWA positions to the General Assembly, other lobbyists, and other potential partners and adversaries on key legislation.
- Educate members of the Colorado General Assembly about CWA and its mission.

Contracting Opportunity

This contract is expected to be offered for approximately November 1, 2022, to July 1, 2023, with the possibility of extension.

Request for Qualifications

The applicant lobbyist must have experience in the following areas:

- Success in advancing legislation for clients, specifically in the water/state park space.
- Experience working with the Colorado Department of Natural Resources and Colorado Parks and Wildlife.
- Outstanding reputation with legislators and clients.
- Excellent communication, reporting, and interpersonal skills.
- Understanding of Colorado water quality regulations is strongly preferred, but not required.

Please address the following narrative questions (not to exceed 4 pages):

- Firm overview: Please provide a brief overview of your firm/organization and its primary areas of focus.
- Lobbying and policy analysis experience: Brief description of your organization's experience, approach, and management.
- Bio of individual who will be working on the project: Please provide names, credentials, and experience for the individual who will be primarily responsible for work under this contract.
- COI: Do you have any know, current conflicts of interest, and do you perceive any based on your existing clients? How does your organization handle conflicts of interest?
- Primary contact name, email, and phone number.

Required documents:

1. Cover page
2. Completed narrative
3. At least one reference. Please provide at least one reference from a client of a past project.
4. At least one relevant work sample (e.g. fact sheet, client listing of bills, list of successful legislation passed, etc.). Work samples may be submitted in any format, such as print, links, etc.

Review

The review will identify the applications that most effectively meet the requirements of this RFQ. The work will be offered, if at all, to the contract whose application conforming to the RFQ will be most advantageous to CWA, price, and other facts considered by the CWA Board of Directors. CWA is requesting responses within seven days from the RFQ issue date, given the limited time before the 2023 legislative session commences.

Timeline

October 19, 2022:	RFQ issued
October 26, 2022:	RFQ responses due
October 28, 2022:	RFQ responses reviewed by CWA Board of Directors
October 31, 2022:	Applicants notified
November 1, 2022:	First date that contract could begin, depending on timing of the Board's review.
July 1, 2022:	Expected date for contract to end, depending on timing determined by the Board.

Submission Information:

Please submit your completed application in PDF format (not to exceed 5 pages total, including cover page but excluding attachments) to:

info@coloradowater.org

The deadline for applications is **October 26, 2022, at 5:00 P.M.**

Written inquiries regarding this RFQ will be accepted through October 25, 2022, at 4:00 P.M. Please email Diane Kielty at info@coloradowater.org with questions.

Attachment 13

**Chatfield Watershed Authority
Interim Financial Statements
August 31, 2022**

Chatfield Watershed Authority
Balance Sheet
As of August 31, 2022

	<u>Aug 31, 22</u>
ASSETS	
Current Assets	
Checking/Savings	
1000 · 1st Bank	411,097.23
Total Checking/Savings	<u>411,097.23</u>
Total Current Assets	<u>411,097.23</u>
TOTAL ASSETS	<u>411,097.23</u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	43,650.63
Total Accounts Payable	<u>43,650.63</u>
Total Current Liabilities	<u>43,650.63</u>
Total Liabilities	43,650.63
Equity	
32000 · Retained Earnings	302,018.77
Net Income	65,427.83
Total Equity	<u>367,446.60</u>
TOTAL LIABILITIES & EQUITY	<u>411,097.23</u>

Chatfield Watershed Authority
Profit & Loss
August 2022

	Aug 22	Jan - Aug 22
Income		
4000 · Operating Revenues - Membership		
Other Income	0.00	4,246.00
4001 · Jefferson County	0.00	28,986.00
4002 · Douglas County	0.00	75,510.00
4004 · Town of Castle Rock	0.00	75,510.00
4005 · Plum Creek Wastewater	0.00	2,400.00
4006 · Roxborough Park	0.00	2,400.00
4007 · Castle Pines Metro District	0.00	2,400.00
4008 · Perry Park W&S District	0.00	2,400.00
4009 · Denver Water Department	0.00	2,400.00
4010 · City of Littleton	0.00	2,400.00
4011 · Centennial W&S District	0.00	2,400.00
4012 · Town of Larkspur	0.00	2,400.00
4014 · Louviers Water & San. District	0.00	2,400.00
4016 · Sacred Heart Retreat House	0.00	2,000.00
4019 · Dominion W&S District	0.00	2,400.00
4038 · Denver Water- In Kind	2,125.00	17,000.00
4039 · Plum Creek - In Kind	1,666.67	13,333.36
4040 · Centennial - In Kind	1,953.83	15,630.64
4045 · Roxborough In Kind	266.67	2,133.36
Total 4000 · Operating Revenues - Membership	6,012.17	258,349.36
4103 · Interest Income	18.76	65.20
Total Income	6,030.93	258,414.56
Expense		
5000 · Expenditures - Operational		
5001 · Management Fees Technical	9,280.00	61,942.86
5002 · Management Fees- Authority	8,370.00	17,820.00
5003 · Website Hosting/Maint	0.00	2,848.00
5004 · NPS projects and Consultants	0.00	10,000.00
5005 · Legal - Admin	13,642.00	45,828.51
5007 · Professional Fees-Financial	750.00	6,000.00
Total 5000 · Expenditures - Operational	32,042.00	144,439.37
5100 · Expenditures - Contractual		
5111 · Monitoring- in Kind	6,012.17	48,097.36
5117 · Public Outreach Sponsorships	0.00	450.00
Total 5100 · Expenditures - Contractual	6,012.17	48,547.36
Total Expense	38,054.17	192,986.73
Net Income	-32,023.24	65,427.83

Chatfield Watershed Authority
Profit & Loss Budget vs. Actual
 January through August 2022

	Jan - Aug 22	Budget	\$ Over Budget	% of Budget
Income				
4000 · Operating Revenues - Membership				
Other Income	4,246.00			
Voluntary Dues	0.00	0.00	0.00	0.0%
4001 · Jefferson County	28,986.00	28,986.00	0.00	100.0%
4002 · Douglas County	75,510.00	75,510.00	0.00	100.0%
4004 · Town of Castle Rock	75,510.00	75,510.00	0.00	100.0%
4005 · Plum Creek Wastewater	2,400.00	2,400.00	0.00	100.0%
4006 · Roxborough Park	2,400.00	2,400.00	0.00	100.0%
4007 · Castle Pines Metro District	2,400.00	2,400.00	0.00	100.0%
4008 · Perry Park W&S District	2,400.00	2,400.00	0.00	100.0%
4009 · Denver Water Department	2,400.00	2,400.00	0.00	100.0%
4010 · City of Littleton	2,400.00	2,400.00	0.00	100.0%
4011 · Centennial W&S District	2,400.00	2,400.00	0.00	100.0%
4012 · Town of Larkspur	2,400.00	2,400.00	0.00	100.0%
4014 · Louviers Water & San. District	2,400.00	2,400.00	0.00	100.0%
4016 · Sacred Heart Retreat House	2,000.00	2,400.00	-400.00	83.33%
4017 · Ponderosa Center	0.00	0.00	0.00	0.0%
4019 · Dominion W&S District	2,400.00	2,400.00	0.00	100.0%
4038 · Denver Water- In Kind	17,000.00	25,500.00	-8,500.00	66.67%
4039 · Plum Creek - In Kind	13,333.36	20,000.00	-6,666.64	66.67%
4040 · Centennial - In Kind	15,630.64	23,446.00	-7,815.36	66.67%
4045 · Roxborough In Kind	2,133.36	3,200.00	-1,066.64	66.67%
Total 4000 · Operating Revenues - Membership	258,349.36	278,552.00	-20,202.64	92.75%
4103 · Interest Income	65.20			
Total Income	258,414.56	278,552.00	-20,137.44	92.77%
Expense				
5000 · Expenditures - Operational				
5001 · Management Fees Technical	61,942.86	87,100.00	-25,157.14	71.12%
5002 · Management Fees- Authority	17,820.00	36,050.00	-18,230.00	49.43%
5003 · Website Hosting/Maint	2,848.00	6,906.00	-4,058.00	41.24%
5004 · NPS projects and Consultants	10,000.00	62,713.00	-52,713.00	15.95%
5005 · Legal - Admin	45,828.51	84,240.00	-38,411.49	54.4%
5006 · Misc. Admin.	0.00	515.00	-515.00	0.0%
5007 · Professional Fees-Financial	6,000.00	9,750.00	-3,750.00	61.54%
5009 · Legal Admin	0.00	0.00	0.00	0.0%
Total 5000 · Expenditures - Operational	144,439.37	287,274.00	-142,834.63	50.28%
5100 · Expenditures - Contractual				
5103 · Monitoring	0.00	5,150.00	-5,150.00	0.0%
5111 · Monitoring- in Kind	48,097.36	72,146.00	-24,048.64	66.67%
5115 · Public Outreach Consultants	0.00	0.00	0.00	0.0%
5117 · Public Outreach Sponsorships	450.00	515.00	-65.00	87.38%
Total 5100 · Expenditures - Contractual	48,547.36	77,811.00	-29,263.64	62.39%
Total Expense	192,986.73	365,085.00	-172,098.27	52.86%
Net Income	65,427.83	-86,533.00	151,960.83	-75.61%

**Chatfield Watershed Authority
Transaction Detail By Account**

August 2022

Type	Date	Num	Adj	Name	Memo	Class	Clr	Split	Debit	Credit	Balance
4000 - Operating Revenues - Membership											
4038 - Denver Water- In Kind											
General Journal	08/21/2022	Ted-Aj...	*					5111 - Monitorin...		2,125.00	2,125.00
Total 4038 - Denver Water- In Kind									0.00	2,125.00	2,125.00
4039 - Plum Creek - In Kind											
General Journal	08/08/2022	Ted-Aj...	*					5111 - Monitorin...		1,666.67	1,666.67
Total 4039 - Plum Creek - In Kind									0.00	1,666.67	1,666.67
4040 - Centennial - In Kind											
General Journal	08/08/2022	Ted-Aj...	*							1,953.83	1,953.83
Total 4040 - Centennial - In Kind									0.00	1,953.83	1,953.83
4045 - Roxborough In Kind											
General Journal	08/16/2022	Ted-Aj...	*					5111 - Monitorin...		266.67	266.67
Total 4045 - Roxborough In Kind									0.00	266.67	266.67
Total 4000 - Operating Revenues - Membership									0.00	6,012.17	6,012.17
4103 - Interest Income											
Deposit	08/31/2022				Interest			1000 - 1st Bank		18.76	18.76
Total 4103 - Interest Income									0.00	18.76	18.76
5000 - Expenditures - Operational											
5001 - Management Fees Technical											
Bill	08/31/2022			RESPEC	July 2022 CWA			2000 - Accounts ...	9,280.00		-9,280.00
Total 5001 - Management Fees Technical									9,280.00	0.00	-9,280.00
5002 - Management Fees- Authority											
Bill	08/15/2022	2022 2Q		Colorado Watershed A...	CWA Chatfield ...			2000 - Accounts ...	8,370.00		-8,370.00
Total 5002 - Management Fees- Authority									8,370.00	0.00	-8,370.00
5005 - Legal - Admin											
Bill	08/31/2022	3014848		Sornach Simmons & D...	Legal			2000 - Accounts ...	1,573.00		-1,573.00
Bill	08/31/2022	3014849		Sornach Simmons & D...	Legal			2000 - Accounts ...	128.00		-1,699.00
Bill	08/31/2022	3014850		Sornach Simmons & D...	Legal			2000 - Accounts ...	78.00		-1,777.00
Bill	08/31/2022	3014851		Sornach Simmons & D...	Legal			2000 - Accounts ...	11,865.00		-13,642.00
Total 5005 - Legal - Admin									13,642.00	0.00	-13,642.00
5007 - Professional Fees-Financial											
Bill	08/31/2022	21990		TWS Financial Inc.	August 2022			2000 - Accounts ...	750.00		-750.00
Total 5007 - Professional Fees-Financial									750.00	0.00	-750.00
Total 5000 - Expenditures - Operational									32,042.00	0.00	-32,042.00
5100 - Expenditures - Contractual											
5111 - Monitoring- in Kind											
General Journal	08/08/2022	Ted-Aj...	*						1,953.83		-1,953.83
General Journal	08/08/2022	Ted-Aj...	*					4039 - Plum Cre...	1,888.87		-3,820.50
General Journal	08/16/2022	Ted-Aj...	*					4045 - Roxbrou...	286.67		-3,887.17
General Journal	08/21/2022	Ted-Aj...	*					4038 - Denver ...	2,125.00		-6,012.17
Total 5111 - Monitoring- in Kind									6,012.17	0.00	-6,012.17
Total 5100 - Expenditures - Contractual									6,012.17	0.00	-6,012.17
TOTAL									38,054.17	6,030.93	-32,023.24



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6500 0100 OO RP 31 09012022 NNNNNN 01 002336 0005
 CHATFIELD WATERSHED AUTHORITY
 C/O TWS FINANCIAL INC
 7345 S PIERCE ST STE 205
 LITTLETON CO 80128-4592

ACCOUNT NUMBER	XXX-XXX-1336
STATEMENT DATE	8-31-2022
INTEREST EARNED THIS YEAR	65.20



ACCOUNT SUMMARY -- MONEY MARKET CHECKING ACCOUNT - SAFEKEEPING \$5,000 MINIMUM

CLOSING BALANCE FROM PREVIOUS STATEMENT	DATE: 7-29-2022	428,441.35
1 DEPOSITS AND OTHER ADDITIONS TOTALING		18.76+
4 CHECKS AND OTHER WITHDRAWALS TOTALING		17,362.88-
CLOSING BALANCE FOR THIS STATEMENT	DATE: 8-31-2022	411,097.23
MINIMUM BALANCE OF 411,078.47 ON	8-16-2022	
NUMBER OF DAYS IN PERIOD	33	
INTEREST EARNED	18.76	

CHECKS AND OTHER WITHDRAWALS * SHOWS BREAK IN CHECK NUMBER # SHOWS NOT MACHINE READABLE

CHECK#.....AMOUNT...DATE	CHECK#.....AMOUNT...DATE	CHECK#.....AMOUNT...DATE
5733 5,764.04 8-04	5736 5,000.00 8-11	5737 1,537.50 8-16
5735* 5,061.34 8-01		

DEPOSITS AND OTHER ADDITIONS

DATE.....TYPE.....AMOUNT	DATE.....TYPE.....AMOUNT	DATE.....TYPE.....AMOUNT
8-31 INTEREST 18.76		

DAILY BALANCE SUMMARY

DATE.....BALANCE	DATE.....BALANCE	DATE.....BALANCE
8-01 423,380.01	8-11 412,615.97	8-31 411,097.23
8-04 417,615.97	8-16 411,078.47	

RATE DISCLOSURE -- RATE BASED ON AVERAGE COLLECTED BALANCE

EFFECTIVE DATES	\$500 UP TO \$20,000 RATE	\$20,000 AND ABOVE RATE
7/30 THROUGH 8/31	0.03%	0.05%

EARNINGS AND ACTIVITY CHARGE SUMMARY

INTEREST PAID CALCULATION				
DATES	AVERAGE COLLECTED BALANCE	RATE	INTEREST EARNED	
7/30 THROUGH 8/31	414,868	.050%	18.76	
TOTAL INTEREST FOR 33 DAYS			18.76	
ACTIVITY CHARGES (FIRST 150 ITEMS FREE)				
NUMBER	DESCRIPTION	COST	CHARGE	
4	DEBITS	.50	2.00	WAIVED
TOTAL ACTIVITY CHARGES			.00	

