

# Memorandum

**Date:** January 23, 2026  
**To:** Douglas County Board of County Commissioners  
**Through:** Douglas J. DeBord, County Manager  
**From:** Kati Carter, AICP, Director of Community Development  
**CC:** Brett Thomas, AICP, Chief Planner  
Curtis J. Weitkunat, AICP, Long Range Planning Manager  
Steven E. Koster, AICP, Assistant Director of Planning Services  
**Subject:** **Sterling Ranch Planned Development, 15th Amendment**  
**Project File:** **ZR2025-014**

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<b>Planning Commission Hearing:</b>	<b>January 12, 2026 @ 6:00 p.m.</b>
<b>Board of County Commissioners Hearing:</b>	<b>January 27, 2026 @ 2:30 p.m.</b>

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The attached correspondence was received after the staff report to the Board of County Commissioners was finalized on January 13, 2026.

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January 15, 2026

For MHFD staff use only.	
Project ID:	106664
Submittal ID:	10013930

**To:** Douglas County  
*Via email*

**Subject:** MHFD Review Comments

**Re:** Sterling Ranch 15<sup>th</sup> Amendment (Partner Case No. ZR2025-014)

This letter is in response to the request for our comments concerning the referenced project. We have reviewed this referral only as it relates to an MHFD drainageway and for maintenance eligibility of storm drainage features, in this case:

- Sterling Gulch

We have no comments to the referenced project and do not need to see future submittals.

Please feel free to contact me with any questions.

Sincerely,

**Laura Hinds, P.E.**  
Project Manager, Mile High Flood District  
[lhinds@mhfd.org](mailto:lhinds@mhfd.org)

**From:** Chatfield Community Association <chatfieldcommunity@gmail.com>  
**Sent:** Tuesday, January 13, 2026 1:10 PM  
**To:** Brett Thomas <bthomas@douglas.co.us>  
**Subject:** ZR2025-014

Brett Thomas  
Referral Follow-up to Planning Commission Hearing January 12, 2025  
Sterling Ranch ZR2025-014

Brett,

We reviewed the agenda packet for the ZR2025-014 Planning Commission hearing. We found, starting on page 540, the LRE engineering report for Dominion's application for water rights off the Platte, Plum Creek, and Indian Creek. We want to clarify that the LRE report is only an application for water rights. It is not a decree and does not reflect the actual water decreed. Below are comments from Denver Water regarding rights that Dominion is claiming. We also want to point out that the water decree is dated 2018. Given that the South Platte has been over allocated for well over 100 years, it is unlikely that Dominion will have access to any of the water often enough, if ever, to serve houses. We question why that document was included in this application. Attached is the entire Denver Water Statement of Opposition.

Please submit this referral into the public record.

Respectfully submitted,  
Team CCA

**Denver Water Statement of Opposition for Dominion water application 18CW3039.**

C. Dominion's claim for certain conditional water rights is based upon the use of points of diversion and structures owned and operated by Denver Water. Specifically, Dominion's requested Conduit No. 20 Right, Conduit No. 8 Right, High Line Canal Right, Last Chance No. 2 Right, and ARS Reservoir storage right involve the diversion of water through structures owned by and exclusively dedicated to Denver Water's use. These structures include Denver Water Conduit No. 20, Conduit No. 8, the High Line Canal, and Last Chance Ditch (collectively the "Denver Water Structures"). Denver Water has not granted any legal right of access or use to Dominion to use the above referenced structures, and therefore Dominion's claim for the water rights and to use these points of diversion and structures should be denied under C.R.S. § [37-92-305\(9\)\(b\)](#).

e. Dominion claims an appropriative right of exchange along the South Platte River and Plum Creek with exchange-from points at the Chatfield Reservoir outlet and Bi-Cities Waste Water Treatment Plant and exchange-to locations at Denver Water Structures. Because Dominion does not have the legal right to divert water at the Denver Water Structures, Dominion's claim for exchanges to these structures should be denied under C.R.S. § [37-92-305\(9\)\(b\)](#).

f. Dominion also claims a South Platte Pumpback within a reach of the South Platte River where Denver Water has obligations to maintain minimum stream flows as a condition of its Strontia Springs Reservoir and Dam right-of-way. Denver Water also holds senior rights of exchange decreed in C.A. 3286 and 3635, which operate within the same reach in which the South Platte Pumpback would operate.

Dominion must demonstrate that it can and will operate the South Platte Pumpback without injury to Denver Water's water rights and any minimum and in-stream flows within the claimed reach.

Finally, Dominion claims other water rights that do not involve the use of Denver Water owned structures. These claims should only be granted upon a showing by strict-proof that the claimed conditional water rights:

1. will not injuriously affect Denver Water's vested and decreed conditional water rights, directly or indirectly. C.R.S. § [37-92-305](#)(3)(a);

1. can be and will be diverted, stored, or otherwise captured, possessed, and controlled and will be beneficially used and that the project can and will be completed with diligence and within a reasonable time. C.R.S. § [37-92-305](#)(9)(b).

iii. will be tracked and measured in accordance with accounting terms and conditions that require the accounting of information necessary to operate the claimed water rights without injury to other water users, including Denver Water; and

iv. is based upon a specific plan and intent to divert, store, or otherwise capture, possess, and control the claimed water rights for a specific beneficial uses. C.R.S. § [37-92-103](#)(3)(a)(II).

3. If it is determined that Dominion's claimed water rights and the proposed ruling or decree would cause such injurious effect, protective terms or conditions that would prevent such injurious effect must be included in any final decree entered in this matter.

DISTRICT COURT, WATER DIVISION 1, COLORADO 901 9 <sup>th</sup> Avenue P.O. Box 2038 Greeley, CO 80632	DATE FILED: April 30, 2018 4:00 PM FILING ID: B5A0D1566E5E1 CASE NUMBER: 2018CW3039
CONCERNING THE APPLICATION FOR WATER RIGHTS OF  DOMINION WATER & SANITATION DISTRICT	▲ COURT USE ONLY ▲
IN JEFFERSON AND DOUGLAS COUNTIES, COLORADO	Case No: 2018CW3039
Attorneys for Opposer, the City and County of Denver, acting by and through its Board of Water Commissioners: Patricia L. Wells, General Counsel Casey S. Funk, No. 11638 Daniel J. Arnold, No. 35458* James M. Wittler, No. 44050 Address: 1600 West 12 <sup>th</sup> Avenue Denver, Colorado 80204-3412 Phone Number: 303-628-6460 Fax Number: 303-628-6478 E-mail: <a href="mailto:daniel.arnold@denverwater.org">daniel.arnold@denverwater.org</a> *Counsel of Record	Div.: WD1
<b>STATEMENT OF OPPOSITION OF THE CITY AND COUNTY OF DENVER,          ACTING BY AND THROUGH ITS BOARD OF WATER COMMISSIONERS</b>	

1. Name, mailing address, email address and telephone number of Opposer:

City and County of Denver, acting by and through its  
 Board of Water Commissioners ("Denver Water")  
 1600 West 12th Avenue  
 Denver, Colorado 80204-3412  
 Telephone: (303) 628-6460

2. Denver Water states the following facts as to why the application should not be granted or should be granted only in part or on certain conditions:

a. Denver Water is the owner of numerous water rights on the South Platte River and its tributaries. Denver Water's water rights are decreed for municipal, agricultural, domestic and industrial uses and include the right to use waters of the South Platte River, for augmentation, substitution and exchange. Denver Water's water rights in the South Platte River are decreed for various dates and amounts both

for direct use and for storage. Some of these South Platte River sources are fully reusable. Denver Water also owns water rights in tributaries of the Colorado River that are imported to the South Platte River basin for beneficial uses.

b. Applicant, Dominion Water and Sanitation District (“Dominion”), has filed an application for conditional direct flow rights, storage rights, and appropriative rights of exchange. Specifically, Dominion seeks to appropriate: (1) conditional direct flow water rights from the South Platte River, Plum Creek, and their tributaries, Indian Creek, Willow Creek, and Sterling Gulch, (2) conditional storage rights, and (3) conditional appropriative rights of exchange on the South Platte River and Plum Creek.

c. Dominion’s claim for certain conditional water rights is based upon the use of points of diversion and structures owned and operated by Denver Water. Specifically, Dominion’s requested Conduit No. 20 Right, Conduit No. 8 Right, High Line Canal Right, Last Chance No. 2 Right, and ARS Reservoir storage right involve the diversion of water through structures owned by and exclusively dedicated to Denver Water’s use. These structures include Denver Water Conduit No. 20, Conduit No. 8, the High Line Canal, and Last Chance Ditch (collectively the “Denver Water Structures”). Denver Water has not granted any legal right of access or use to Dominion to use the above referenced structures, and therefore Dominion’s claim for the water rights and to use these points of diversion and structures should be denied under C.R.S. § 37-92-305(9)(b).

d. Dominion claims a storage right in Chatfield Reservoir, despite not being a member of the Chatfield Reservoir Reallocation group, lacking an allocation from the reauthorization of Chatfield Reservoir, and not holding contracts with the Colorado Water Conservation Board and the United States Army Corps of Engineers. A water storage right should not be granted in Chatfield Reservoir unless Dominion becomes a party of the reallocation group.

e. Dominion claims an appropriative right of exchange along the South Platte River and Plum Creek with exchange-from points at the Chatfield Reservoir outlet and Bi-Cities Waste Water Treatment Plant and exchange-to locations at Denver Water Structures. Because Dominion does not have the legal right to divert water at the Denver Water Structures, Dominion’s claim for exchanges to these structures should be denied under C.R.S. § 37-92-305(9)(b).

f. Dominion also claims a South Platte Pumpback within a reach of the South Platte River where Denver Water has obligations to maintain minimum stream flows as a condition of its Strontia Springs Reservoir and Dam right-of-way. Denver Water also holds senior rights of exchange decreed in C.A. 3286 and 3635, which

operate within the same reach in which the South Platte Pumpback would operate. Dominion must demonstrate that it can and will operate the South Platte Pumpback without injury to Denver Water’s water rights and any minimum and in-stream flows within the claimed reach.

g. Finally, Dominion claims other water rights that do not involve the use of Denver Water owned structures. These claims should only be granted upon a showing by strict-proof that the claimed conditional water rights:

i. will not injuriously affect Denver Water’s vested and decreed conditional water rights, directly or indirectly. C.R.S. § 37-92-305(3)(a);

ii. can be and will be diverted, stored, or otherwise captured, possessed, and controlled and will be beneficially used and that the project can and will be completed with diligence and within a reasonable time. C.R.S. § 37-92-305(9)(b).

iii. will be tracked and measured in accordance with accounting terms and conditions that require the accounting of information necessary to operate the claimed water rights without injury to other water users, including Denver Water; and

iv. is based upon a specific plan and intent to divert, store, or otherwise capture, possess, and control the claimed water rights for a specific beneficial uses. C.R.S. § 37-92-103(3)(a)(II).

3. If it is determined that Dominion’s claimed water rights and the proposed ruling or decree would cause such injurious effect, protective terms or conditions that would prevent such injurious effect must be included in any final decree entered in this matter. C.R.S. § 37-92-305(3)(a).

4. Because of the lack of an engineering report and other pertinent information, Denver Water is unable to determine all the relevant and pertinent facts necessary to adequately set forth further objections at this time. Denver Water therefore reserves the right to raise appropriate objections at a later date founded upon information not readily ascertainable from the Application.

5. Denver Water respectfully requests that this statement of opposition be considered sufficient for purposes of opposing any amendments to this Application with no further statements of opposition being required.

Dated this 30th day of April 2018.

PATRICIA L. WELLS, General Counsel

CASEY S. FUNK, No. 11638

**DANIEL J. ARNOLD, No. 35458\***

JAMES M. WITTLER, No. 44050

*E-Filed pursuant to Rule 121. A duly signed original is on file at  
Denver Water Department, Legal Division*

By:   
Attorneys for Opposer, the City and County  
of Denver, acting by and through its Board of  
Water Commissioners  
**\*Counsel of Record**

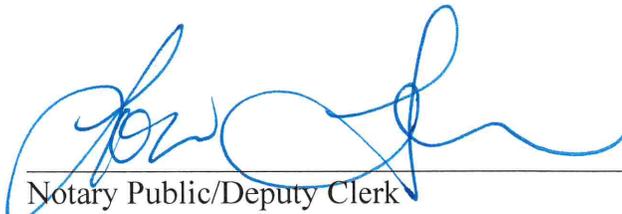
**VERIFICATION AND ACKNOWLEDGMENT OF PERSON HAVING  
KNOWLEDGE OF THE FACTS STATED IN THIS STATEMENT OF  
OPPOSITION**

  
\_\_\_\_\_  
Russell A. Slade

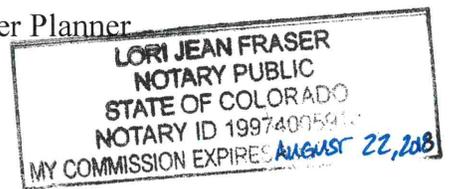
I, Russell A. Slade, hereby acknowledge that I have read this Statement of Opposition, that I have personal knowledge of the facts stated and verify its contents to the best of my knowledge, information, and belief.

Dated: April 30, 2018

The foregoing instrument was acknowledged before me in the City and County of Denver, State of Colorado, this 30<sup>th</sup> day of April 2018, by the person whose signature appears above.

  
\_\_\_\_\_  
Notary Public/Deputy Clerk

The person signing this verification is: Denver Water Planner

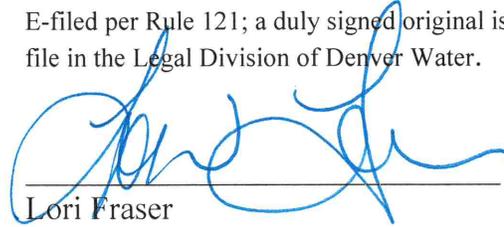


**CERTIFICATE OF SERVICE**

I hereby certify that on this 30<sup>th</sup> day of April 2018, a true and correct copy of **STATEMENT OF OPPOSITION OF THE CITY AND COUNTY OF DENVER, ACTING BY AND THROUGH ITS BOARD OF WATER COMMISSIONERS** was filed and served via ICCES E-FILING to the following:

Party Name	Party Type	Attorney Name
Castle Pines Metropolitan District	Opposer	Bernard F Gehris Scott A Clark
Castle Pines North Metropolitan District	Opposer	Anthony J Basile Austin C Hamre
Centennial Water and Sanitation District	Opposer	John David Buchanan Paul F Holleman
Central Colorado Water Cons District	Opposer	Bradley Charles Grasmick
City of Aurora	Opposer	John Marshall Dingess
City of Littleton	Opposer	Daniel Kenneth Brown Sara J.I Irby
Co Div of Parks And Wildlife	Opposer	Elizabeth M Joyce Heather Annette Warren
Division 1 Engineer	Division Engineer	Division 1 Water Engineer
Dominion Water and Sanitation District	Applicant	Carolyn F Burr James Merle Noble Jens Jensen
Fairmount Cemetery Company	Opposer	Paul F Holleman Veronica A Sperling
Roxborough Water and Sanitation District	Opposer	Matthew Machado Steven Patrick Jeffers
South Suburban Park and Recreation District	Opposer	Evan D Ela Joseph William Norris
State Engineer	State Engineer	Colorado Division of Water Resources
State Engineer and Water Division 1 Engineer	Opposer	Andrew Nicewicz Philip Ernest Lopez
Town of Castle Rock	Opposer	Jeffrey J Kahn Madoline Wallace-Gross
Town of Lochbuie	Opposer	Matthew Machado Steven Patrick Jeffers

E-filed per Rule 121; a duly signed original is on  
file in the Legal Division of Denver Water.



Lori Fraser

**From:** Planning <Planning@douglas.co.us>  
**Sent:** Wednesday, January 14, 2026 1:35 PM  
**To:** Brett Thomas <bthomas@douglas.co.us>  
**Subject:** FW: Dissapointment

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**From:** Jodi Messenich <jodi@zumasrescueranch.com>  
**Sent:** Wednesday, January 14, 2026 12:31 PM  
**To:** Planning <Planning@douglas.co.us>  
**Subject:** Dissapointment

**Caution:** This email originated outside the organization. Be cautious with links and attachments.

Dear Planning Commissioners,

I am submitting this letter as a **formal objection** to the process used in advancing **Sterling Ranch Planned Development 15<sup>th</sup> Amendment**, and as a request for a **comprehensive review of Douglas County's land-use policies and procedural safeguards** as they relate to amendments of this magnitude.

It appears that Amendment 15 was advanced without adequate public notice, insufficient time for meaningful review, and without providing affected parties the opportunity to prepare or respond before referral. Our organization, 7745 Moore Rd., is a designated referral agency under County procedures; however, we did not receive notice, referral materials, or an opportunity to comment before the application was transmitted to other agencies. This failure represents a material procedural deficiency.

Given the **scale, intensity, and foreseeable impacts** of Amendment 15, the proposal warranted a **new and complete traffic impact study** and a **full reassessment of water resources and infrastructure capacity**. Proceeding without updated technical analyses raises significant concerns regarding compliance with established planning standards, as well as the adequacy of the evidentiary record supporting the amendment.

More broadly, the handling of Amendment 15 exposes systemic weaknesses in the County's current review framework. Accelerated timelines, limited notice, and constrained public comment opportunities effectively impair meaningful participation by citizens and stakeholders. Such conditions create the appearance, and potentially the reality, of a process that disproportionately favors applicants while diminishing the role of public input, contrary to principles of transparency, procedural fairness, and due process.

Land-use amendments of this scope carry long-term consequences for transportation systems, water availability, public services, and quality of life. Accordingly, they require heightened scrutiny, rigorous

technical review, and robust public engagement. The County's current procedures, as applied in this instance, failed to meet that standard.

I respectfully request that the Board of County Commissioners:

1. **Suspend further action** on Sterling Ranch Amendment 15;
2. **Require a full, updated impact analysis**, including traffic and water resources; Dominion water resources are suspect, some are long-term, some expire, and we deserve to know more about the water garments serving our region in the county
3. **Initiate a comprehensive assessment** of County land-use policies, notification requirements, referral protocols, and public participation procedures to ensure compliance with best practices and legal standards.

Restoring public confidence requires a transparent, equitable, and defensible process—one that affords all affected parties adequate notice, sufficient time, and a fair opportunity to be heard.

Please make this part of the permanent record.

Respectfully submitted,

Jodi Messenich

Founder- Zuma's

7745 Moore Rd  
Littleton, CO 80125  
720-635-2331

[www.zumasrr.com](http://www.zumasrr.com)

Book Lessons Here

<https://zumasrescueranch.as.me>



**From:** [Jodi Messenich](#)  
**To:** [Brett Thomas](#)  
**Subject:** Re: Dissappointment  
**Date:** Friday, January 16, 2026 5:30:42 PM  
**Attachments:** [image001.png](#)  
[2023 Logo 4.png](#)

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**Caution:** This email originated outside the organization. Be cautious with links and attachments.

Brett,

I am not disputing that my name may appear on a notification list; I am stating, clearly and for the record, that no notice was received. As a property owner directly impacted by the addition of approximately 4000 new residential units across the street, I would unquestionably have responded had proper notice been provided. The absence of notice deprived me of a meaningful opportunity to participate.

The pattern of notification failures affecting stakeholders who have previously raised concerns regarding Sterling Ranch gives rise to a reasonable inference that notice deficiencies are not inadvertent, but rather operate to avoid informed scrutiny and dissent.

Equally concerning is the extraordinarily compressed processing timeline for Amendment 15 to the Sterling Ranch Planned Development:

- Application presented: December 2, 2025
- Scheduled Board vote: January 27, 2026
- Total processing time: approximately 28 days

Please identify any comparable Planned Development amendment for 4000 residential units processed within this timeframe without:

- A new or updated traffic study,
- At least a full 30-day internal planning review, and
- A separate, meaningful 30-day public review period.

To my knowledge, no such precedent exists.

The decision to proceed without updated traffic analysis, without adequate staff review time, and without proper public notice is inconsistent with both the spirit and intent of Douglas County's land-use regulations. While technical compliance may be asserted, the cumulative conduct reflects a deliberate minimization of transparency and accountability.

Certified mail or other verifiable notice mechanisms would eliminate these disputes entirely; however, such methods would also impose accountability to the tax base—accountability that appears to be avoided in this instance.

The close coordination between the Planning Department and Sterling Ranch throughout this process—combined with the accelerated schedule—creates a clear appearance of preferential treatment that is unacceptable in matters with lasting regional impacts, particularly to the Chatfield Basin.

This correspondence is intended to document procedural deficiencies and preserve the record. The issues raised herein warrant independent review prior to any final action.

After research, I found the following:

Typical Processing Time for Land-Use Applications of ~4,000 Homes

National & Western U.S. Norms

For a development of 3,000–5,000 residential units, the average processing timeline is:

🕒 18–48 months total, depending on jurisdiction and complexity

That includes:

- Rezoning or Planned Development approvals
- Traffic and transportation analysis
- Water, wastewater, and stormwater analysis
- Environmental review
- Public notice and hearings
- Agency referrals
- Phased approvals and amendments

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Why 4,000 Homes Is Categorically Different

A project of this size is considered:

- Regionally significant
- Cumulative-impact driven

- Infrastructure-dependent
- Policy-level, not administrative

It almost always triggers:

- Major PD or zoning amendments
- Multiple traffic impact studies
- Water supply & yield verification
- School, fire, and emergency service coordination
- Multiple public hearings over time

Typical Timeframes by Phase (Conservative)

1 Pre-Application & Scoping

- 3–9 months
- Includes concept review, agency coordination, study scoping

2 Formal Application + Completeness Review

- 30–90 days alone
- Many jurisdictions allow multiple “incompleteness” cycles

3 Technical Studies

- Traffic: 3–9 months
- Water/wastewater: 3–12 months
- Environmental constraints: 3–12 months

(Often concurrent, but not instantaneous)

4 Referral & Public Review

- Minimum 30–60 days per round
- Often multiple rounds

5 Planning Commission Hearings

- 1–3 hearings over several months

6 Board / Council Hearings

- 1–3 hearings over several months
- Continuances common

Even an “expedited” process rarely finishes under 12–18 months.

So, you explain to me why this amendment application was rushed through over the Christmas holiday in 28 days. Can you make sense of this process?

Regards,  
Jodi Messenich

On Jan 16, 2026, at 3:48 PM, Brett Thomas <bthomas@douglas.co.us> wrote:

Jodi,

Can you clarify which documents you are referring to? All documents received to date for Sterling Ranch PD 15<sup>th</sup> Amendment (ZR2025-014) are available in the project file at [Planning Pro - Rezoning - Planned Development - Major Amendment \(ZR2025-014\)](#). Under the Documents tab, you can sort by Upload Date Descending or Upload Date Ascending in order to see older or more recent documents depending on your preference.

[Details](#) | **Documents** | [Referral Responses](#) | [Related Projects](#)

Narrow your results by adding keywords in the Title and Description areas below or by selecting a Planning Category. Then organize your results by selecting the number of documents to view on each page and how they should be sorted.

Title:   
 Description:   
 Planning Category: (All)   
 Results Per Page: 25   
 Sort By:  Update Date Descending

Any recorded documents found on this site are considered unofficial copies. Official copies must be obtained from the Office of the County Clerk and Recorder.

Sterling Ranch PD 15<sup>th</sup> Amendment is being processed in accordance with [DCZR - Section 15](#). Section 1505.03 indicates staff will send a courtesy notice to abutting landowners. Staff sent 3,152 courtesy notices related to this application, including to both Messenich Ash LLC and Messenich Farms LLC. The courtesy notice documents are included in the project file linked above.

Public Notice requirements fulfilled by the applicant are identified in Section 1511. The applicant submitted the affidavits of public notice on December 26 to Planning, and notice affidavits were forwarded to the Attorney's Office on January 6 to be certified for the Planning Commission and Board of County Commissioners hearings. Those notice affidavits have been uploaded into the project file today.

**Brett Thomas, AICP** | Chief Planner  
**Douglas County Government**  
**Department of Community Development**  
**Planning Services Division**  
**Address** | 100 Third St., Castle Rock, CO 80104  
**Direct** | 303-814-4369 **Main** | 303-660-7460  
**Email** | [bthomas@douglas.co.us](mailto:bthomas@douglas.co.us)

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**From:** Jodi Messenich <[jodi@zumasrescueranch.com](mailto:jodi@zumasrescueranch.com)>  
**Sent:** Thursday, January 15, 2026 3:34 PM  
**To:** Brett Thomas <[bthomas@douglas.co.us](mailto:bthomas@douglas.co.us)>  
**Subject:** Re: Dissapointment

**Caution:** This email originated outside the organization. Be cautious with links and attachments.

Brett

I was online looking for documents associated with Sterling Ranch and realized that the old documents are no longer available.

Can you get me an access to all filings from sterling ranch pre submitted on.

Peace,

Jodi Messenich  
 Zuma's Rescue Ranch  
 Animal Welfare Advocate

Please pardon typos sent from my iPhone

On Jan 15, 2026, at 2:46 PM, Jodi Messenich <[jodi@zumasrescueranch.com](mailto:jodi@zumasrescueranch.com)> wrote:

Brett,

When did Sterling Ranch the 4th county commissioner get the notification process changed in Developers favor? As a resident directly affected by all things Sterling Ranch, proper notice before land use changes are only reasonable requests. Being a 26 year resident here in the Chatfield Valley, we always did receive notification. When did this change, it sure seems a benefit to developers and is a hinderance to transparency for the existing tax base.

Peace,

Jodi Messenich  
Zuma's Rescue Ranch  
Animal Welfare Advocate

Please pardon typos sent from my iPhone

On Jan 15, 2026, at 2:37 PM, Brett Thomas <[bthomas@douglas.co.us](mailto:bthomas@douglas.co.us)> wrote:

Ms. Messenich,

This is to confirm receipt of your correspondence. It has been included in the [project file](#) and forwarded to the applicant.

The staff report to the Board of County Commissioners was finalized on Tuesday, January 13 by staff. Your comments, along with all other correspondence received before January 23, will be provided to the Board of County Commissioners on January 23 as an Addendum to the staff report.

The Board of County Commissioners hearing is scheduled for 2:30pm on January 27.

To clarify, *7745 Moore Road* is not a registered referral agency (property owners are not referral agencies). Our records show *7745 Moore Road* is, however, on our contact list which means you likely receive notice of proposed regulation changes, but not notice of land use applications. The PD Rezoning and Amendment processes do include Courtesy Notices of an application in process to abutting landowners. Our records indicate Courtesy Notices were mailed at the start of the referral period to both Messenich Ash LLC and Messenich Farms LLC

<image002.png>

**Brett Thomas, AICP** | Chief Planner  
**Douglas County Government**  
**Department of Community Development**  
**Planning Services Division**  
Address | 100 Third St., Castle Rock, CO 80104  
Direct | 303-814-4369 Main | 303-660-7460  
Email | [bthomas@douglas.co.us](mailto:bthomas@douglas.co.us)

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**Sent:** Wednesday, January 14, 2026 1:35 PM  
**To:** Brett Thomas <[bthomas@douglas.co.us](mailto:bthomas@douglas.co.us)>  
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**From:** Jodi Messenich <[jodi@zumasrescueranch.com](mailto:jodi@zumasrescueranch.com)>  
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**Subject:** Dissapointment

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Dear Planning Commissioners,

I am submitting this letter as a **formal objection** to the process used in advancing **Sterling Ranch Planned Development 15<sup>th</sup> Amendment**, and as a request for a **comprehensive review of Douglas County’s land-use policies and procedural safeguards** as they relate to amendments of this magnitude.

It appears that Amendment 15 was advanced without adequate public notice, insufficient time for meaningful review, and without providing affected parties the opportunity to prepare or respond before referral. Our organization, 7745 Moore Rd., is a designated referral agency under County procedures; however, we did not receive notice, referral materials, or an opportunity to comment before the application was transmitted to other agencies. This failure represents a material procedural deficiency.

Given the **scale, intensity, and foreseeable impacts** of Amendment 15, the proposal warranted a **new and complete traffic impact study** and a **full reassessment of water resources and infrastructure capacity**. Proceeding without updated technical analyses raises significant concerns regarding compliance with established planning standards, as well as the adequacy of the evidentiary record supporting the amendment.

More broadly, the handling of Amendment 15 exposes systemic weaknesses in the County’s current review framework. Accelerated timelines, limited notice, and constrained public comment opportunities effectively impair meaningful participation by citizens and stakeholders. Such conditions create the appearance, and potentially the reality, of a process that disproportionately favors applicants while diminishing the role of public input, contrary to principles of transparency, procedural fairness, and due process.

Land-use amendments of this scope carry long-term consequences for transportation systems, water availability, public services, and quality of life. Accordingly, they require heightened scrutiny, rigorous technical review, and robust public engagement. The County’s current procedures, as applied in this instance, failed to meet that standard.

I respectfully request that the Board of County Commissioners:

1. **Suspend further action** on Sterling Ranch Amendment 15;
2. **Require a full, updated impact analysis**, including traffic and water resources; Dominion water resources are suspect, some are long-term, some expire, and we deserve to know more about the water garments serving our region in the county
3. **Initiate a comprehensive assessment** of County land-use policies, notification requirements, referral protocols, and public participation procedures to ensure compliance with best practices and legal standards.

Restoring public confidence requires a transparent, equitable, and defensible process—one that affords all affected parties adequate notice, sufficient time, and a fair opportunity to be heard.

Please make this part of the permanent record.

Respectfully submitted,

Jodi Messenich

Founder- Zuma’s

7745 Moore Rd  
Littleton, CO 80125  
720-635-2331  
[www.zumasrr.com](http://www.zumasrr.com)

Book Lessons Here  
<https://zumasrescueranch.as.me>

<image001.png>

Jodi Messenich  
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**From:** Jodi Messenich <jodi@messenich.com>  
**Sent:** Wednesday, January 21, 2026 2:18 PM  
**To:** Doug DeBord <DDebord@douglas.co.us>  
**Cc:** Brett Thomas <bthomas@douglas.co.us>  
**Subject:** Ammendment 15 Process Flawed

**Caution:** This email originated outside the organization. Be cautious with links and attachments.

**Mr. Thomas and Mr. DeBord,**

Please make this part of the permanent record and forward it to the commissioners for the 1/27/2026 2:30 pm Public meeting. I will be out of town and am insisting that this be presented at the meeting.

Amendment 15 must be placed in a Rezoning, not a PD amendment. This process requires a third-party investigation.

## Regarding PD Boundary Changes vs. Zoning Changes (Douglas County)

### Applicable Zoning Requirements

Under Douglas County land-use regulations, the **addition of land to an existing Planned Development (PD) or a change to PD boundaries constitutes a zoning change**, not a mere administrative or legislative PD amendment. County regulations and longstanding land-use practice require that any expansion of a PD's geographic boundaries be processed as a **rezoning**, subject to full zoning review, Planning Commission consideration, and enhanced public notice and hearing requirements.

Processing boundary expansion as a **PD amendment rather than a zoning change improperly circumvents zoning procedures**, reduces the level of scrutiny applied, and deprives the public of the protections afforded under Douglas County's zoning framework. To the extent that Sterling Ranch approvals or Amendment 15 involved **adding land, altering PD boundaries, or extending development entitlements beyond the originally zoned PD area**, such actions should have been processed as **rezonings**, not PD amendments.

Any failure to do so raises material concerns regarding **procedural compliance, due process, and validity of the approvals**, and warrants independent review.

---

Jodi Messenich  
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**Brett Thomas**

---

**From:** Dan Avery <DAvery@douglas.co.us>  
**Sent:** Wednesday, January 21, 2026 4:32 PM  
**To:** Brett Thomas <bthomas@douglas.co.us>  
**Subject:** Fw: I oppose Amendment 15 case no. ZR2025-014

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**From:** K Rafferty <ckafam@gmail.com>  
**Sent:** Wednesday, January 14, 2026 10:08 PM  
**To:** BOCC <BOCC@douglas.co.us>  
**Cc:** Clerk <Clerk@douglas.co.us>  
**Subject:** I oppose Amendment 15 case no. ZR2025-014

**Caution:** This email originated outside the organization. Be cautious with links and attachments.

Please let it be known for the record that I oppose the Sterling Ranch Planned Development (PD) Amendment 15, case no. ZR2025-014.

I live in the neighboring community of Highlands Ranch, and I am deeply concerned by the proposed, reckless amendment to the existing Sterling Ranch Development Plan.

My greatest concern is that there is a lack of renewable water sources. Water resources for this development are not reliable for the long term. An increase in water demand would be significant, causing a strain on water and wastewater systems.

In addition, the effect on roads, wildlife and emergency access: Sterling Ranch sits on a wildlife-prone area. An increase in homes increases population and this would place a greater demand on evacuation routes, road capacity and emergency response systems. Not to mention the fact that the "promised" Sterling Ranch public schools were never built. I know first-hand how the current population of Sterling Ranch has impacted the schools in my community. Ranch View Middle School and ThunderRidge High School are negatively impacted by increased student enrollment due to lack of schools in the Sterling Ranch community. Resources are "stretched thin" in, and out of the classroom. For example, Douglas County cannot even supply enough busses needed to accommodate the existing schools.

Please accept this formal objection to Amendment 15, case no. ZR2025-014. As an affected party, I believe the proposed changes adversely affect local interests and request that the current zoning be maintained.

Respectfully,

Kristin Rafferty  
9693 Moss Rose Circle  
Highlands Ranch, CO 80129

## Brett Thomas

---

**From:** Dan Avery <DAvery@douglas.co.us>  
**Sent:** Wednesday, January 21, 2026 4:33 PM  
**To:** Brett Thomas <bthomas@douglas.co.us>  
**Subject:** Fw: Opposing development in Sterling Ranch

---

**From:** Michelle McMahon <[michmcmtn@gmail.com](mailto:michmcmtn@gmail.com)>  
**Sent:** Wednesday, January 7, 2026 8:49 PM  
**To:** BOCC <[BOCC@douglas.co.us](mailto:BOCC@douglas.co.us)>  
**Subject:** Opposing development in Sterling Ranch

Caution: This email originated outside the organization. Be cautious with links and attachments.

I am writing to express my opposition to the building of up to 4000 homes in the Sterling Ranch area.

The existing roads and infrastructure will not be able to handle the increased amount of traffic and humans. Part of the great attraction of this area is its proximity to nature. This proposed development would compromise that for humans, animals and the environment .

My vote is a very strong "No".

Michelle McMahon

## Brett Thomas

---

**From:** Susan Beckman <SusanB@sterlingranchcolorado.com>

**Sent:** Monday, January 19, 2026 1:01 PM

**To:** Brett Thomas <bthomas@douglas.co.us>

**Cc:** Andrea Cole <andrea.cole@dominionwsd.com>; Kevin Johnk <kevin.johnk@sterlingranchcolorado.com>

**Subject:** Additional Correspondence Received ZR2025-014 from the Chatfield Community Association

**Caution:** This email originated outside the organization. Be cautious with links and attachments.

Hi Brett,

In response to the Chatfield Community Association Public comment attached is the 2021 Final Adjudicate Decree for water rights off the Platte, Plum Creek, and Indian Creek.

Susan



[www.SterlingRanchColorado.com](http://www.SterlingRanchColorado.com)

Susan Beckman  
Director of Zoning and Rezoning  
Sterling Ranch Development Company  
D: (303) 881-7119  
[Susanb@sterlingranchcolorado.com](mailto:Susanb@sterlingranchcolorado.com)  
8155 Piney River Avenue, Suite 200  
Littleton, CO 80125



Area as well as deliver potable, municipal water to customers within the Dominion Service Area.

1.3. Application. This matter arises from an application to appropriate (1) conditional direct flow water rights from the South Platte River, Plum Creek, and their tributaries, Indian Creek, Willow Creek, and Sterling Gulch, (2) conditional storage rights, and (3) conditional appropriative rights of exchange on the South Platte River and Plum Creek. The application was filed in the Division 1 Water Court on February 28, 2018.

1.4. Résumé Notice and Newspaper Publication. The Application was published in the Water Division 1 February 2018 résumé pursuant to C.R.S. §37-92-302(3)(a). The Application was published in The Douglas County News Press and The Golden Transcript newspaper publications. All publication fees were paid by Dominion.

1.5. Summary of Consultation. On May 31, 2018, the Division Engineer for Water Division 1 issued a Report of the Division Engineer concerning the Application, which was served on all parties via Colorado Courts E-filing (“CCE”). The recommendations have been duly considered and incorporated into this Decree.

1.6. Notice and Jurisdiction. Timely and adequate notice of the pendency of this proceeding *in rem* has been given in the manner required by law. This Court has subject matter jurisdiction over the Application and this proceeding, and personal jurisdiction over all persons who have standing to appear as parties, regardless of whether they have appeared.

1.7. No Designated Groundwater. The land and water rights involved herein are not included within the boundaries of any designated groundwater basin.

1.8. Statements of Opposition and Stipulations. Timely statements of opposition were filed by the following parties, and stipulations entered as described below:

1.8.1. Central Water Conservancy District.

1.8.1.1. Stipulation approved on May 19, 2021.

1.8.2. Colorado Division of Parks and Wildlife and the Parks and Wildlife Commission.

1.8.2.1. Stipulation approved on August 1, 2019.

1.8.3. Fairmount Cemetery Company.

1.8.3.1. Stipulation approved on May 25, 2021.

1.8.4. Centennial Water and Sanitation District (“Centennial”).

1.8.4.1. Stipulation approved on June 1, 2021.

- 1.8.5. Town of Castle Rock.
  - 1.8.5.1. Stipulation approved on March 19, 2021.
- 1.8.6. South Suburban Park and Recreation District.
  - 1.8.6.1. Stipulation approved on August 30, 2019.
- 1.8.7. City of Littleton (“Littleton”).
  - 1.8.7.1. Stipulation approved on October 2, 2019.
- 1.8.8. Castle Pines North Metropolitan District.
  - 1.8.8.1. Stipulation approved on October 25, 2020.
- 1.8.9. Castle Pines Metropolitan District.
  - 1.8.9.1. Stipulation approved on January 23, 2020.
- 1.8.10. State Engineer and Division Engineer, Water Division 1.
  - 1.8.10.1. Stipulation approved on October 21, 2020.
- 1.8.11. Dennis Larratt and Chatfield Community Association.
  - 1.8.11.1. Stipulation approved on March 31, 2021.
- 1.8.12. City of Aurora.
  - 1.8.12.1. Stipulation approved on October 25, 2020.
- 1.8.13. Roxborough Water and Sanitation District.
  - 1.8.13.1. Stipulation approved on August 20, 2019.
- 1.8.14. Town of Lochbuie.
  - 1.8.14.1. Stipulation approved on August 8, 2019.
- 1.8.15. United Water and Sanitation district.
  - 1.8.15.1. Stipulation approved on January 14, 2021.
- 1.8.16. City and County of Denver, acting by and through its Board of Water Commissioners (“Denver Water”).
  - 1.8.16.1. Stipulation approved on March 1, 2021.

**2. Description of Conditional Direct Flow Rights.** The points of diversion of the conditional direct flow water rights decreed herein (collectively the “Dominion Direct Flow Rights”, individually “Dominion Direct Flow Right”) are depicted on **Exhibit 2**.

2.1. **Dominion South Platte Pumpback:**

2.1.1. Point of Diversion: The Dominion South Platte Pumpback will divert water from the South Platte River immediately downstream of Chatfield Reservoir in the SW1/4 of the NE1/4 of Section 1, Township 6 South, Range 69 West at the following approximate UTM coordinates: NAD 1983 UTM Zone 13 494844.1 mE 4379108.7 mN, Jefferson County, Colorado. Water diverted through this structure will be delivered to the Dominion service area via pipeline.

2.1.2. Source: South Platte River.

2.1.3. Rate of Diversion: 4 cfs, conditional.

2.2. **Dominion South Platte Right:**

2.2.1. Point of Diversion: The Dominion South Platte Right will divert water from the South Platte River in the SW1/4 of the NE1/4 of Section 34, Township 6 South, Range 69 West at the following approximate UTM coordinates: NAD 1983 UTM Zone 13 491660.3 mE 4370742.1 mN, Douglas County, Colorado. Dominion's South Platte Right will divert at or near the location Dominion returns water to the South Platte River from its wastewater treatment plant.

2.2.2. Source: South Platte River.

2.2.3. Rate claimed: 20.7 cfs, conditional.

2.3. **Plum Creek Diversion (f/k/a Dominion Plum Creek Right):**

2.3.1. Point of Diversion: The Plum Creek Diversion will divert water from Plum Creek in the SE1/4 of Section 15, Township 7 South, Range 68 West at the following approximate UTM Coordinates: NAD 1983 UTM Zone 13 501485 mE 4365534 mN, Douglas County, Colorado.

2.3.2. Rate of Diversion: 10 cfs, conditional, subject to Section 15.5.1 herein.

2.3.3. Source: Plum Creek, a tributary to the South Platte River.

2.4. **Dominion Indian Creek Right:**

2.4.1. Point of Diversion: The Dominion Indian Creek Right will divert water from Indian Creek in the NW1/4 of the NE1/4 of Section 16, Township 7 South, Range 68 West at the following approximate UTM coordinates: NAD 1983 UTM Zone 13 499530.81 mE 4366571.57 mN in Douglas County.

2.4.2. Source: Indian Creek, a tributary to Plum Creek.

2.4.3. Rate of Diversion: 10 cfs, conditional.

2.5. **Dominion Willow Creek Right:**

2.5.1. Point of Diversion: The Dominion Willow Creek Right will divert water from Willow Creek in the NE1/4 of the NE1/4 of Section 35, Township 6 South, Range 69 West at the following approximate UTM coordinates: NAD 1983 UTM Zone 13 493643.4 mE 4371172.0 mN, Douglas County, Colorado.

2.5.2. Source: Willow Creek, a tributary to the South Platte River.

2.5.3. Rate of Diversion: 20.7 cfs, conditional.

2.6. **Dominion Sterling Gulch Right:**

2.6.1. Point of Diversion: The Dominion Sterling Gulch Right will divert water from Sterling Gulch in the SE1/4 of the NW1/4 of Section 29, Township 6 South, Range 68 West at the following approximate UTM coordinates: NAD 1983 UTM Zone 13 497493.6 mE 4372396.2 mN, Douglas County, Colorado.

2.6.2. Source: Sterling Gulch, a tributary to Plum Creek.

2.6.3. Rate of Diversion: 20.7 cfs, conditional.

2.7. **Common Terms and Conditions for All Direct Flow Rights Decreed Herein.**

2.7.1. Date of Appropriation: February 28, 2018.

2.7.2. How Appropriation was Initiated: Dominion conducted engineering studies and filed and published this application in the Water Division No. 1 résumé to provide notice to all interested persons.

2.7.3. Date Water Applied to Beneficial Use. Not applicable – all water rights are conditional.

2.7.4. Permitted Uses: Direct use for all municipal purposes, including but not limited to, domestic, mechanical, manufacturing, commercial, industrial, irrigation, recreational, construction, fishery, wildlife, stock watering, fire protection, substitution, and replacement, all within Dominion's present and future service area. The direct flow right decreed herein includes the right to use, reuse, and successively use the water to extinction, directly or through storage after first use, by exchange, augmentation, recharge, sale, lease or otherwise. The water may also

be used to meet historical return flow obligations for future acquired and changed water rights owed to the South Platte River or its tributaries.

2.7.5. Terms and Conditions: The Court finds that the owners or users of vested water rights or decreed conditional water rights will not be injuriously affected as a result of the diversion of the above-described conditional direct flow rights so long as there is compliance with the terms and conditions set forth below:

2.7.5.1. Diversions in Priority: Dominion may divert water under the conditional direct flow rights only when those rights are in priority. The conditional direct flow rights decreed herein shall be junior to all priorities awarded on applications for water rights filed in previous years.

2.7.5.2. Operation of Diversion Structures: Dominion may not divert its direct flow rights decreed herein at times when water physically available at the structure is needed to satisfy senior downstream water rights or the water was released upstream for recapture downstream of the structure unless the structure is capable of and in fact bypasses such water. This provision does not entitle owners of junior water rights or water carried in the stream without a decree governing such carriage to interfere with Dominion's diversion of the water decreed herein or require Dominion to make future modifications to any structure. Nothing in this paragraph limits the authority of the State Engineer or Division Engineer to order modifications under C.R.S. § 37-92-502(7).

2.7.5.3. Annual Maximum Volumetric Limit on Direct Flow Diversions: The combined annual diversions for all direct flow rights decreed in Section 2 of this decree may not exceed 3,605 acre-feet.

2.7.5.4. Maximum Cumulative Direct Flow Diversion Rate: The maximum cumulative diversion rate for all direct flow rights decreed in Section 2 of this decree may not exceed 20.7 cfs.

2.7.5.5. Measuring and recording devices: All diversions of Dominion's conditional direct flow rights will be measured with continuous recording devices located at the diversion structures.

**3. Description of Conditional Storage Rights**: The conditional storage rights decreed herein (collectively the "Dominion Storage Rights", individually the "Dominion Storage Right") are further described below and their locations are depicted on **Exhibit 3**.

3.1. **ARS Reservoir Storage Right**: The ARS Reservoir will be an off-channel reservoir located in the Northeast quarter of Section 19, Township 6 South, Range 68 West,

Douglas County, Colorado. It will be created by further excavation of an existing gravel pit and lined according to the state engineer's specifications.

3.1.1. Name and legal description of diversion structures: The diversion structures to be used to fill the ARS Reservoir are the diversion structures described in Sections 2.1 through 2.6 above. The rates of diversion to storage in the ARS Reservoir from the diversion structures described in Sections 2.1, 2.3, and 2.4 are the same as described therein. Diversions from the Plum Creek Diversion described in Section 2.3.1. are limited pursuant to Section 15.5.1. The rate of diversion to storage in the ARS Reservoir from the Dominion South Platte diversion structure described in Section 2.2.1 is 24 cfs. The rate of diversion to storage in the ARS Reservoir from Willow Creek and Sterling Gulch diversion structures, described in Sections 2.5 and 2.6, are each 50 cfs.

3.1.2. Sources: South Platte River, Plum Creek, Indian Creek, Willow Creek and Sterling Gulch, all tributaries to the South Platte River.

3.1.3. Amount of Storage: 2,200 acre-feet, with the right to refill in the amount of 2,200 acre-feet per year, both conditional.

3.1.4. Additional Places of Storage. Water stored pursuant to the ARS Reservoir right may be released from ARS Reservoir and re-diverted and stored in the following structures:

3.1.4.1. Chatfield Reservoir: The location is described in Section 3.4, below.

3.1.4.2. Sterling Gulch Reservoir: The location is described in Section 3.2, below.

3.2. **Sterling Gulch Reservoir**: The Sterling Gulch Reservoir will be an on-stream reservoir on Sterling Gulch. It will be located in the Northwest quarter of Section 29, Township 6 South, Range 68 West, Douglas County, Colorado.

3.2.1. Source: Sterling Gulch, a tributary to Plum Creek.

3.2.2. Amount of Storage: 418 acre-feet, conditional.

3.2.3. Additional Places of Storage: Water stored pursuant to the Sterling Gulch Reservoir right may be released from Sterling Gulch Reservoir and re-diverted and stored in the following structures:

3.2.3.1. ARS Reservoir: The location is described in Section 3.1, above.

3.2.3.2. Chatfield Reservoir: The location is described in Section 3.4, below.

3.3. Willow Creek Reservoir: The Willow Creek Reservoir will be an on-stream reservoir on Willow Creek. It will be located in the Northwest quarter of Section 36, Township 6 South, Range 69 West, Douglas County, Colorado.

3.3.1. Source: Willow Creek, a tributary to the South Platte River.

3.3.2. Amount of Storage: 249 acre-feet, conditional.

3.3.3. Additional Places of Storage: Water stored in pursuant to the Willow Creek Reservoir right may be released from Willow Creek Reservoir and re-diverted and stored in the following structures:

3.3.3.1. ARS Reservoir: The location is described in Section 3.1, above.

3.3.3.2. Chatfield Reservoir: The location is described in Section 3.4, below.

3.4. Chatfield Reservoir: Chatfield Reservoir is an on-stream storage reservoir on the South Platte River and Plum Creek created by a dam located in Sections 6 and 7, Township 6 South, Range 68 West and Section 1, Township 6 South, Range 69 West of the 6<sup>th</sup> P.M. in Jefferson County.

3.4.1. Source: South Platte River and Plum Creek.

3.4.2. Amount of Storage: 500 acre-feet, with the right to refill in the amount of 500 acre-feet annually, both conditional.

3.4.3. Additional Places of Storage: Water stored pursuant to the Chatfield Reservoir storage right may be pumped or released and rediverted by exchange to the following structure.

3.4.3.1. ARS Reservoir: The location is described in Section 3.1, above.

3.4.4. Authorization for Dominion to Store Water in Chatfield: Any storage in Chatfield Reservoir is subject to approval by the United States Army Corps of Engineers.

**3.5. Common Terms and Conditions for All Dominion Storage Rights Decreed Herein.**

3.5.1. Date of Appropriation: February 28, 2018.

3.5.2. How Appropriation was Initiated: Dominion conducted engineering studies and filed and published this application in the Water Division No. 1 résumé to provide notice to all interested persons.

3.5.3. Date Water Applied to Beneficial Use: Not applicable – all the Dominion Storage Rights are conditional.

3.5.4. Uses: The water stored in the Dominion storage structures described herein pursuant to the Dominion Storage Rights identified in Sections 3.1 through 3.4, may be used for all municipal purposes, including but not limited to, domestic, mechanical, manufacturing, commercial, industrial, irrigation, recreational, construction, fishery, wildlife, stock watering, fire protection, substitution, and replacement, all within Dominion’s present and future service area. The water may be used, reused, and successively used to extinction by exchange, augmentation, recharge, sale, lease or otherwise. The water may also be used to meet historical return flow obligations for future acquired and changed water rights owed to the South Platte River or its tributaries.

3.5.5. Water Year: The water year for administering the Dominion Storage Rights decreed herein is April 1 through March 31.

3.5.6. Terms and Conditions: The Court finds that the owners or users of vested water rights or decreed conditional water rights will not be injuriously affected as a result of the diversion, storage, and use of the conditional storage rights described herein, so long as there is compliance with the terms and conditions set forth below:

3.5.6.1. Measurement and Reporting: The storage structures used pursuant to this decree must be equipped with devices to measure inflows, outflows, and stage. Prior to diversion or storage of water, Dominion shall provide the State and Division Engineers and all Opposers with actual stage-area-capacity curves or tables for all storage structures that have not yet been built. Dominion shall serve written notice of the final sizes, locations, surface areas, and active storage on the Opposers and the Offices of the State and Division Engineers upon completion of each storage structure that has not yet been built. Dominion will obtain approval of the stage area capacity curve or table from the State and Division Engineers prior to diverting and storing water in any yet-to-be built storage structure described herein.

3.5.6.2. Out-of-priority Inflows: Out-of-priority inflows are defined as measured and unmeasured natural inflows, including but not limited to measured deliveries, precipitation, and local runoff, into the storage structures decreed herein that occur when the Dominion Storage Rights are out of priority, except when such inflows are stored pursuant to another decreed water right. Unmeasured inflows will be computed on a daily basis for each storage structure as measured outflows plus evaporation losses, minus measured inflows (including precipitation), plus changes in measured storage. Except as may be authorized by a future decree claiming rainwater/precipitation, any out-of-priority inflows will be returned to the South Platte River or Plum Creek, as applicable, as soon as is practicable, but not later than within 48 hours (24 hours for structures built, controlled, or operated by Dominion), without use in any manner, unless such out-of-priority inflows are replaced pursuant to a substitute water supply plan approved by the State Engineer pursuant to C.R.S. §37-92-308(4) or successor statute or a decreed plan for augmentation. Dominion shall not intentionally divert or store any water attributable to the Dominion Storage Rights when such rights are out-of-priority. Before Dominion stores water in any of the structures decreed herein, such structures must be equipped with outlet works or other facilities capable of bypassing any out-of-priority inflows.

3.5.6.3. Evaporation: Real time gross evaporation for all storage claims shall be calculated using the same evaporation calculation method outlined in the October 15, 2015 Chatfield Reservoir Management Agreement, and any amendment thereto, which the Colorado Division of Water Resources uses in the Chatfield Checksheet. Currently, the method is as follows: Gross evaporation will be calculated on a daily basis by multiplying the daily exposed water surface area by the daily rate of gross reservoir evaporation. The daily exposed water surface area will be determined by referencing water surface elevation to the stage-area capacity survey and table for each of these storage structures, once constructed and developed. Gross pan evaporation will be computed by multiplying the daily standard alfalfa reference crop evapotranspiration (ET<sub>r</sub>) by the pan evaporation to ET<sub>r</sub> coefficient (K<sub>p</sub>) of 1.2. Daily gross evaporation rate (the free water surface evaporation) will then be determined by multiplying the gross pan reservoir evaporation by a pan coefficient of 0.7. The ET<sub>r</sub> data will be obtained from the new nearby Marcy Gulch weather station, and if such data is not available the backup method described in the Chatfield Reservoir Management Agreement will be followed. Evaporation does not need to be calculated for any part of a reservoir that is covered by ice. For purposes of C.R.S. 37-84-117(5), Dominion will receive effective precipitation credit to compute net evaporation for water stored in Chatfield

Reservoir using the same net evaporation calculation method the Colorado Division of Water Resources uses in its Chatfield Checksheet.

3.5.6.4. Carryover: Water stored under each of the Dominion Storage Rights in previous water years which remains in storage in any of the Dominion storage structures described in Sections 3.1 through 4, above, or at any reservoir in which the Dominion Storage Rights may legally be stored in the future, at the beginning of the new water year will be considered carryover storage against that specific Dominion Storage Right in the new water year. If multiple water rights are stored in these storage structures, water diverted into storage shall be accounted for in separate storage accounts by priority and owner. Any water not diverted under the Dominion Storage Rights in storage in Dominion's account in these storage structures at the end of any water year ("Other Water") does not automatically count against the annual fill in the new water year. Instead, once a storage structure described in Sections 3.1 through 4 is otherwise capable of filling in priority pursuant to this Decree during the new water year but there is insufficient capacity in that storage structure for additional water because of the Other Water, Dominion shall choose to: (1) book over the Other Water and count it against the first fill of the Dominion Storage Right associated with that structure; or (2) choose not to book over the Other Water and instead paper-fill the Dominion Storage Right associated with that structure at the rate Dominion could otherwise have filled it.

3.5.6.5. Book-over: A book-over is an accounting mechanism that replicates the simultaneous release and re-diversion of water without physically operating the inlet and outlet works of the reservoir. A book-over can only occur when the reservoir is not operating its inlet and outlet works, or when Dominion's storage space in the storage structure is physically full and all inflow is passing through the outlet in an uncontrolled manner (e.g., surcharge conditions, or flow-through; i.e., when the change in storage is zero). Because a book-over replicates the physical operation of the reservoir, water must be booked-over in-priority at a rate that is the lesser of the available inflow, inlet capacity, or outlet capacity. Water cannot be booked-over from a senior water right to a junior water right when the senior water right placed a call for water. Any booking over will be at rates and times when water is legally and physically available for diversion under the Dominion Storage Right. Dominion's water other than water attributable to the Dominion Storage Rights ("Other Stored Water") stored in any of the Dominion storage structures described in Sections 3.1 through 3.4, above that is booked-over will be considered to be and accounted for as the appropriate Dominion Storage Right water and counted against that Dominion Storage Right in Dominion's accounting. If Dominion's Storage Right water is stored in space owned, controlled, or assigned to another user

and water is available in priority to that other user's water storage right and there is insufficient capacity in that other user's owned, controlled, or assigned space in the relevant storage structure, the Dominion Storage Right water will be either: (1) booked-over to the other user's water storage right or (2) released by Dominion. If the water is booked-over to the other user and the water remains in the other user's account at the end of the water year, that amount of booked-over water will be considered carryover storage as against the other user's water storage right. No priority is awarded for and no new right is otherwise created by operating a book-over procedure.

3.5.6.6. Paper Fill: If, during any water year, a Dominion Storage Right is in priority and water supply to satisfy that Dominion Storage Right is legally and physically available, but Dominion does not divert and store all or some portion of the amount of water legally and physically available under that Dominion Storage Right, or if Dominion diverts and stores water under a new appropriation or junior water right for a new use that is not decreed for that Dominion Storage Right under free river conditions, then the amount of water not diverted under the Dominion Storage Right will be allocated to and count against that Dominion Storage Right as a paper fill. With respect to off-stream reservoirs where the reservoir, diversion structure, or conveyance structure from the point of diversion to the reservoir is not owned by Dominion or an entity controlled by Dominion, water shall not be considered legally and physically available for storage in such reservoir for paper fill purposes if Dominion does not have permission from the owner of the reservoir, diversion structure, or conveyance structure from the point of diversion to the reservoir to use such reservoir or structure, even if water is otherwise legally and physically available to Dominion.

3.5.6.7. Low permeability barrier: The low permeability barriers for the ARS Reservoir must be approved by the State Engineer in accordance with State Engineer Guidelines for Lining Criteria for Gravel Pits (August 1999) ("Guidelines") prior to storage of water therein. Dominion shall continually monitor compliance with the State Engineer standards using the water balance methodology required in the Guidelines. All out-of-priority seepage into the ARS Reservoir will be accounted for as described in section 4.0 of the Guidelines and returned to the South Platte River or Plum Creek, as applicable. Dominion shall follow any applicable provisions of the Guidelines as they may be revised in the future.

3.5.6.8. Liner failure during operation: In the event the ARS Reservoir is not in compliance with the State Engineer's performance standards for gravel pit liners and/or the State or Division Engineer determines that a liner failure is occurring or has occurred, Dominion shall

remedy such noncompliance and repair the liner in accordance with the Guidelines. If satisfactory repairs are not completed within a 2-year period, no additional water may be stored in that structure under the Dominion Storage Rights until the liner is repaired to the satisfaction of the State and/or Division Engineer.

3.5.6.9. Transit losses: When water attributable to the Dominion Storage Rights is transported in the natural stream, the Division Engineer shall assess stream transit losses in the same manner as for other water users on the same stretch of the stream. Transit losses shall be based on the stream distances measured from the location(s) at which the water is delivered to the South Platte River or Plum Creek to the location(s) of the place of use and/or storage.

3.5.6.10. Release of out-of-priority inflows: Each on-stream storage structure must have an outlet structure capable of passing out-of-priority inflows, and each diversion structure for off-stream storage shall have a bypass structure capable of passing out-of-priority stream flows. All of the diversion and storage structures shall be operated not to divert the Dominion Storage Rights granted herein to the extent the physically available water is needed to satisfy downstream senior water rights, or the water was released upstream for recapture downstream of those structures. This provision does not entitle owners of junior water rights or water carried in the stream without a decree governing such carriage to interfere with Dominion's diversion of the water decreed herein or require Dominion to make future modifications to any structure. Nothing in this paragraph limits the authority of the State Engineer or Division Engineer to order modifications under C.R.S. § 37-92-502(7).

3.5.6.11. Volumetric limits: The total combined amount of water that will be stored pursuant to the Dominion Storage Rights under the first fill and refill of those rights will not exceed 6,067 acre-feet ("Combined Volumetric Limit") in any single water year. For purposes of accounting for the Combined Volumetric Limit, water that is booked-over against any of the Dominion Storage Rights and water that is carried over from previous water years from the first fill or refill of any of the Dominion Storage Rights will count against the Combined Volumetric Limit in the new water year.

**4. Description of Conditional Appropriative Rights of Exchange**: Dominion seeks conditional appropriative rights of exchange along the South Platte River and Plum Creek as set forth below ("Dominion Exchange Rights"). These exchanges will be used to move water between the storage structures decreed herein or from storage to use in order to operate Dominion's water supply system in a more optimal manner. An exchange matrix is attached as **Exhibit 4**. A map

showing the locations of the structures and the exchange reaches are attached as **Exhibit 2**. The exchanges granted herein are more fully described below.

4.1. **Exchange-from points:**

4.1.1. Chatfield Reservoir Outlet: Located in the SW1/4 of the NE1/4 of Section 1, Township 6 South, Range 69 West.

4.1.2. Bi-Cities<sup>1</sup> WWTP Outfall: Located on the east bank of the South Platte River in the SE1/4 of the SE1/4 of Section 28, Township 4 South, Range 68 West.

4.2. **Exchange-to points:**

4.2.1. Dominion South Platte Diversion: The point of diversion described in Section 2.2.1.

4.2.2. Plum Creek Diversion: The point of diversion described in Section 2.3.1.

4.2.3. Chatfield Reservoir: The point of storage described in Section 3.4.

4.3. **Description of Exchange Reaches:** The exchange reach claimed on the South Platte River (a.k.a. Exchange Reach 1) extends from the furthest downstream terminus, the Bi-Cities WWTP, upstream to the furthest upstream terminus, the point of diversion of the Dominion South Platte Diversion. The exchange reach claimed on Plum Creek (a.k.a. Exchange Reach 2) extends from the Bi-Cities WWTP upstream to the furthest upstream terminus, the Plum Creek Diversion.

4.4. **Sources of substitute supply:**

4.4.1. Dominion's reusable and fully consumable effluent from wastewater treated at the Bi-Cities WWTP and/or the Roxborough WWTP<sup>2</sup> (collectively "Wastewater Plants").

4.4.1.1. Dominion may claim only the lesser of its share of daily effluent from the Wastewater Plants or 95% of its deliveries of water the previous day for indoor use. During December through February, all deliveries of water are assumed to be for indoor use. During March through November, deliveries for daily indoor use is assumed to be the average daily amount of water delivered the previous December through February.

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<sup>1</sup> Bi-Cities Wastewater Treatment Plant is now known as the South Platte Renewal Partners Wastewater Treatment Plant, but will be referred to herein as "Bi-Cities WWTP."

<sup>2</sup> Roxborough Waste Water Treatment Plant is now known as the Chatfield Basin Water Reclamation Facility, but will be referred to herein as "Roxborough WWTP."

4.4.1.1.1. For the Bi-Cities WWTP, Dominion shall calculate its share of daily effluent by multiplying its measured deliveries of wastewater to the Bi-Cities WWTP the previous day by 95%.

4.4.1.1.2. For the Roxborough WWTP, Dominion shall calculate its share of daily effluent by multiplying its measured deliveries of wastewater to the Roxborough WWTP the previous day by the total measured amount of effluent from the Roxborough WWTP on the day in question divided by the total amount of water delivered to the Roxborough WWTP the previous day.

4.4.1.2. If Dominion supplies water from sources other than those identified in Section 4.4.2 through 4.4.8, Dominion shall reduce the amount claimed for deliveries of wastewater to the Wastewater Plants and of water for indoor use in the calculation in Section 4.4.1.1 above by the percentage of the water Dominion delivered the previous day that did not come from the sources identified in Section 4.4.2 through 4.4.8.

4.4.2. Fully consumable water diverted and/or stored pursuant to Dominion's Direct Flow Rights described in Section 2.

4.4.3. Fully consumable water rights stored pursuant to Dominion's Storage Rights described in Section 3.

4.4.4. 480 acre-feet of fully consumable water available to Dominion pursuant to two intergovernmental agreements with Aurora dated October 26, 2009 (amended on July 30, 2012) and dated December 11, 2013.

4.4.5. Dominion's fully consumptive water attributable to its Hock Hocking mine water rights, with an estimated average annual yield of 62.5 acre-feet.

4.4.6. Fully consumable water attributable to Dominion's interests in the WISE Partnership, with an estimated average annual yield of 1,325 acre-feet.

4.4.7. 700 acre-feet of fully consumable water available to Dominion pursuant to Dominion's intergovernmental agreement with the Town of Castle Rock dated November 22, 2016.

4.4.8. Approximately 3,569 acre-feet per year of not non-tributary and non-tributary Denver Basin groundwater decreed in Division 1 Case No. 98CW219, as modified by Case No. 03CW117, in the following amounts by aquifer: 1,614 acre-feet in the Denver aquifer, 1,574 acre-feet in the Arapahoe aquifer, and 381 in the Laramie Fox Hills aquifer. Of the 1,009 acre-feet in the Laramie Fox Hills aquifer decreed in Case No. 98CW219, 380 acre-feet was reserved for augmentation in

Case No. 03CW117, is not owned by Dominion, and is not included in the amounts described in this paragraph or available as a source of substitute supply under this Decree. Also, of the 2,301 acre-feet in the Arapahoe aquifer decreed in Case No. 98CW219, 57.83 acre-feet was reserved for augmentation in Case No. 03CW117, is not owned by Dominion, and is not included in the amounts described in this paragraph or available as a source of substitute supply under this Decree.

4.4.9. Nothing herein is intended to be construed as a modification of any of the aforementioned agreements.

4.5. **Maximum exchange rates and volumes:** The following maximum exchange rates and volumes are also depicted on the exchange matrix attached as **Exhibit 4**.

4.5.1. Exchanges from Bi-Cities WWTP: 3.5 cfs and 1,624 acre-feet per year, of which no more than 1,219 acre-feet per year may be exchanged to the Plum Creek Diversion and no more than 1,559 acre-feet per year may be exchanged to the Dominion South Platte Diversion, conditional subject to Section 15.5.1 herein.

4.5.1.1. If Dominion is releasing water from Roxborough WWTP for exchange from Chatfield Reservoir while operating an exchange from Bi-Cities, the combined exchange rate from Bi-Cities and that portion of any exchange from Chatfield that uses water being released from Roxborough WWTP may not exceed 5 cfs, but the maximum amount that can be exchanged from Bi-Cities, even when used in combination, may still not exceed the 3.5 cfs set forth in paragraph 4.5.1 above.

4.5.2. Exchanges from Chatfield Reservoir: 8,723 acre-feet per year, of which no more than 2,618 acre-feet may be exchanged to the Plum Creek Diversion, and further limited to no more than an average of 6,632 acre-feet per year in any ten year period, with the following maximum exchange rates:

4.5.2.1. Dominion South Platte Diversion: 24 cfs, conditional;

4.5.2.2. Plum Creek Diversion: 10 cfs, conditional, subject to Section 15.5.1 herein.

4.6. **Date of Appropriation:** February 28, 2018.

4.7. **How Appropriation was Initiated:** Dominion conducted engineering studies and filed and published this application in the Water Division No. 1 résumé to provide notice to all interested persons.

4.8. **Date Water Applied to Beneficial Use.** Not applicable – all water rights are conditional.

4.9. **Uses:** The use of the exchanged water shall be consistent with the decree(s) governing the water rights used as sources of substitute supply. The sources of substitute supply for the Dominion Exchange Rights identified in Section 4.4 are fully consumable. Dominion intends to use, reuse, successively use, and fully consume the exchanged water, and subject to any decreed terms and conditions, the exchange water will be used to extinction either directly or after diversion or re-diversion to storage.

4.10. **Exchange Terms and Conditions:** The Court finds that the owners or users of vested water rights or decreed conditional water rights will not be injuriously affected as a result of the conditional appropriative rights of exchange described herein, so long as there is compliance with the terms and conditions set forth below:

4.10.1. **Exchange potential and live stream requirement:** Dominion shall limit operation of the exchanges to times when there is exchange potential in the exchange reach. Exchange potential will exist when the operation of Dominion's exchanges would not deprive any water right within the exchange reach, including other exchanges, with a decreed priority senior to the exchanges decreed herein of water that such intervening water right is legally entitled to use, exchange, divert, and/or store. Each exchange may operate only when there is a continuous live stream at all locations between the exchange-from point and the exchange-to point for the particular exchange being administered and must be limited to no more than the minimum streamflow between the exchange-from point and the exchange-to point. If a live stream ceases to exist at any point between the exchange-from point and the exchange-to point while an exchange is being operated under this Decree, the operation of the exchange must cease immediately. Dominion shall not operate any exchange in a manner that interferes with or would prevent the delivery of water that has been released by other water users at upstream locations for recapture at locations downstream from those structures. During times when a diversion structure located between the exchange-from and exchange-to point is being required by State water administration officials to bypass water downstream to a more senior water right, and the calling water right is senior to the rights decreed herein (commonly known as a bypass call), Dominion may operate an exchange decreed herein using substitute supplies delivered downstream of the point of diversion of the bypassing diversion structure only if: (1) the rate of such downstream delivery does not exceed the rate at which water would otherwise be bypassed by the bypassing diversion structure, (2) the rate at which water must be bypassed by the bypassing diversion structure is reduced by the same rate as the rate of delivery of the substitute supplies at the downstream location, and (3) Dominion gives Centennial notice of its intent to operate such an exchange prior to commencing the exchange or at the time notice of a bypass call is provided by water officials if the exchange was previously operating, and identifies the rate of delivery of the substitute supply it will deliver downstream of the point of diversion of the bypassing diversion structure and the rate at which water is available for diversion

at the point of diversion of the bypassing diversion structure. Dominion shall provide such notice to Centennial by telephone, email, or other means identified by Centennial, at a number or address provided by Centennial.

4.10.2. Division Engineer or Water Commissioner approval of exchange operations: Dominion shall notify the Division Engineer or Water Commissioner forty-eight hours in advance and obtain approval of the Division Engineer or Water Commissioner prior to operating any of the exchanges decreed herein and shall notify the Division Engineer or Water Commissioner upon completion of such operation. The notification prior to operating any of the exchanges must include, for each exchange, the amount of the exchange in flow rate, the source(s) of substitute supply, the location(s) of the delivery of the substitute supply, the exchange-to point(s) where the substitute supply will be diverted or used to meet a replacement obligation and the duration of the proposed exchange(s).

4.10.3. Administration within priority system: The exchanges are appropriative water rights and, like other appropriative water rights, will be exercised within the priority system, so that Dominion's rights of exchange are subject to the legal call of water rights, including exchanges, senior in priority, and are able to call out water rights junior in priority to Dominion's rights of exchange as decreed herein.

4.10.4. No Injury: Dominion may operate its exchanges only at such times and to the extent that operation of its exchanges does not deprive any other water right, including other exchanges, with a priority senior to the exchanges decreed herein that is requesting water within the exchange reach, of water that the other water right would be legally entitled to divert.

4.10.5. Transit losses: The Division Engineer shall assess stream transit losses for all circumstances where Dominion is using the natural stream channel to transport a substitute supply to the exchange-from point. Transit losses will be assessed from the point where the substitute supply is introduced to the stream or the point where accretions accrue to the stream to the exchange-from point. Transit losses will be assessed in the same manner as for other water users. No transit losses will be assessed on these exchanges from the exchange-from points upstream to the exchange-to points.

4.10.6. Substitute Supply: Pursuant to C.R.S. § 37-80-120(2)-(3), the substitute supply for the exchanges decreed herein shall be of a quality and quantity to meet the requirements of use to which the water of the senior appropriator has normally been put and, to the extent that such substituted water is made available to meet the appropriative requirements of such senior, the right of such senior to draw water pursuant to the senior's appropriation shall be deemed to be satisfied.

## CONCLUSIONS OF LAW

5. **Incorporation of Findings of Fact.** The foregoing Findings of Fact are incorporated herein to the extent they constitute Conclusions of Law.

6. **Notice and Jurisdiction.** Full and adequate notice of the claims adjudicated herein has been given in the manner required by law. The Water Court for Water Division 1 has jurisdiction over the subject matter of this case to enter the Decree requested and over all persons affected thereby, whether or not they have chosen to appear. The Application and the résumé publication placed such persons on notice of the relief requested by the application and granted by this Decree.

7. **Filing.** The application in this matter was properly filed with the Water Court pursuant to C.R.S. §37-92-302(1)(a). The parties appearing in this matter filed timely statements of opposition. The time for filing statements of opposition has expired.

8. **Can and Will.** Based on the evidence presented, the Court finds that Dominion has demonstrated that it can and will divert, store, and exchange the waters needed to exercise the Subject Water Rights; that it can and will put the water to beneficial use; and that it can and will complete the project with diligence and within a reasonable time. In reaching this finding, the Court also finds that:

8.1. **Water Availability.** Dominion has provided evidence that demonstrates that water is legally and physically available to divert, store, and exchange in priority pursuant to the conditional appropriations.

8.2. **Economic Feasibility.** Dominion has provided evidence that it has the economic and financial resources to construct the necessary facilities and structures required to divert, store, and exchange the Subject Water Rights with diligence and within a reasonable time.

8.3. **Technical Feasibility.** Dominion has provided evidence that it is technically feasible to construct all of the structures required to divert, store, and exchange the Subject Water Rights and to transport the water between and among its other reservoirs and municipal infrastructure.

9. **Demonstrated Need for the Water.** Dominion has a need for the Subject Water Rights granted in this Decree to serve Dominion's present and future growing customer demand, to facilitate the maximum utilization of its water resources portfolio, to advance its diligent efforts to divert the other fully consumable water components of its water resources portfolio, and to further enlarge and enhance its water supply system. Dominion intends to develop the entire amount of the Subject Water Rights. The water diverted, stored and exchanged pursuant to the Subject Water Rights will result in additional water to serve Dominion's present and future customer demand.

10. **No Injury.** The Court finds that, subject to compliance with the terms and conditions of this Decree, the requested conditional direct flow rights, conditional storage rights, and conditional

appropriative rights of exchange will not injuriously affect any owners of or persons entitled to use water under vested water rights or decreed conditional water rights.

**11. Integrated System.** Each of the water rights and structures that are part of Dominion's municipal water system, including the Subject Water Rights and associated structures decreed herein, comprise an integrated system of water rights and structures under C.R.S. §37-92-301(4)(b).

**12. In-priority diversions.** Dominion may divert water under the rights decreed herein only when such rights are in priority, unless the State or Division Engineer has permitted diversion of one or more of the Dominion Storage Rights pursuant to C.R.S. § 37-80-120. Dominion must obtain the Water Commissioner's permission before intentionally diverting water pursuant to this decree, except that during free river conditions Dominion need only provide advance notice to the Water Commissioner before intentionally diverting water pursuant to this decree.

**13. Use of Property.** Nothing in this Decree creates or enlarges any right of Dominion to utilize land or structures owned by parties other than Dominion for diverting or storing water, nor enlarges any right to use lands, structures, or facilities currently possessed by Dominion. Dominion may utilize existing water diversion, carriage, release, and storage structures, including without limitation augmentation stations, only to the extent it has acquired the right to use such structures from the appropriate entities by agreement, purchase or other means. Similarly, Dominion may utilize land for the construction and operation of such structures only to the extent it has acquired the right to use such land from the appropriate entities by agreement, purchase or other means. Nothing in this Decree establishes the rights, priority, and/or method of operations of parties or between parties claiming carriage rights in any ditch or canal.

13.1. **Colorado Division of Parks and Wildlife.** Dominion must obtain CPW's voluntary and written consent prior to access or use of CPW's property or facilities and prior to construction of any diversion or storage facilities, pipelines, access roads, or other structures on CPW's property. At the time of CPW's stipulation to this Decree, Dominion does not have authorization from CPW to access, use, or inundate CPW facilities or property, or to construct any roads or structures on CPW property. Accordingly, Dominion will consult with and seek appropriate authorization from CPW, which CPW will process in accordance with applicable laws, rules and regulations. Dominion acknowledges that it may not exercise the power of eminent domain in order to access, inundate or use property or facilities owned by CPW or to construct any roads, facilities or structures on property owned by CPW.

**14. Requirements, standards, and burden of proof.** Dominion has complied with all requirements and met all standards and burdens of proof, including but not limited to those described in C.R.S. §§37-83-104, 37-92-302, 37-92-304, and 37-92-305 and is therefore entitled to a decree approving the claims described herein.

## **RULING AND DECREE**

**15.** Based upon the foregoing Findings of Fact and Conclusions of Law, it is hereby ORDERED, ADJUDGED, AND DECREED BY THE COURT:

15.1. **Fully Incorporated Judgment and Decree.** The foregoing Findings of Fact and Conclusions of Law are hereby fully incorporated into this Ruling and Decree.

15.2. **Application Granted.**

15.2.1. **Dominion Direct Flow Rights.** The application for the conditional direct flow rights set forth in Section 2, above, is hereby granted, subject to the terms and conditions set forth herein.

15.2.2. **Dominion Storage Rights.** The application for the conditional storage rights described in Section 3, above, is hereby granted, subject to the terms and conditions set forth herein.

15.2.3. **Dominion Exchange Rights.** The application for the conditional appropriative rights of exchange described in Section 4, above, is hereby granted, subject to the terms and conditions set forth herein.

15.3. **Administration.** The rights decreed herein shall be administered as having been filed with the Court in 2018 and shall be junior in priority to all water rights for which applications were filed in previous years. As between all water rights for which applications were filed in the same calendar year, priority shall be determined by decreed appropriation dates and shall not be affected by the date of entry of ruling or decree. In addition to any measuring devices specifically required by this Decree, Dominion shall install and properly maintain any measuring devices and recorders as may reasonably be required by the Division Engineer for the administration of the subject water rights and as needed to complete the accounting required by this Decree. Applicant acknowledges that the conditional water rights decreed herein are junior to, among others, the Littleton's and South Suburban Park and Recreation District's ("SSPRD") in-channel recreational and fish habitat water rights decreed for 100 c.f.s. absolute in Case No. 94CW273, District Court, Water Division No. 1, which include Boat Chute No. 4, Boat Chute No. 9 and Boat Chute No. 10 (collectively "Boat Chute Rights"). Applicant shall not store water in the Chatfield Reservoir storage right decreed herein, or exercise its exchanges from the Bi-Cities WWTP Outfall to Chatfield Reservoir decreed herein, if a call is in effect for the Boat Chute Rights.

15.4. **Denver Water Minimum Streamflow.** Dominion agrees not to divert directly, by exchange, or otherwise under the rights decreed herein through the Dominion South Platte Right diversion point described in Section 2.2 when the measured flows at the Waterton Gage (or computed flows when the Gage is inoperable) are less than 63 cfs between May 15 and September 15, and 33 cfs between September 16 and May 14 (Minimum Flow

Requirements”); provided, however, diversions may be made on a 1 for 1 basis to the extent Dominion simultaneously delivers water upstream of the point of diversion in excess of the Minimum Flow Requirements, plus associated transit losses. Dominion agrees to provide 24 hours advance notice to Denver Water before making such diversions and deliveries.

15.5. **Plum Creek:**

15.5.1. **Cumulative Diversion Limits.** Diversions from Plum Creek under this Decree through the point of diversion described in Section 2.6.1, whether for direct use pursuant to Section 2.3.2, storage pursuant to Section 3.1.1, exchange pursuant to Sections 4.5.1 or 4.5.2., or any combination thereof, are limited to a cumulative diversion rate of 10 cfs and may not exceed 2,618 acre-feet annually or an average of 1,150 acre-feet per year in any ten-year period.

15.5.2. **No futile call.** Dominion will not assert a futile call on Plum Creek or any tributary of Plum Creek to allow Dominion to divert any water right adjudicated in this Decree, nor will Dominion divert any such water right under a futile call condition determined or placed on Plum Creek or any of its tributaries by the Division Engineer under C.R.S. § 37-92-502(2)(a). In no way does this provision inhibit, limit, or otherwise restrict the Division Engineer from exercising their statutory authority to curtail or rescind a curtailment order pursuant to C.R.S. § 37-92-502(2)(a).

15.6. **Chatfield Reallocation Project:** Dominion is participating in the Chatfield Reallocation Project. The participants seek to acquire approximately 20,600 acre-feet of storage capacity in Chatfield Reservoir’s current flood storage capacity. The additional capacity can be created by raising the normal operational pool elevation by 12 feet. Dominion’s anticipated share of the storage space is 500 acre-feet. Dominion’s ability to store the Chatfield Reservoir rights decreed herein is contingent on Dominion’s ability to obtain the contractual right to use storage capacity in Chatfield Reservoir. This Decree is not to be construed as granting Dominion any right to storage capacity in Chatfield Reservoir. Dominion may use Chatfield Reservoir or the Chatfield Reservoir rights decreed herein only to the extent Dominion acquires permission to use storage capacity in Chatfield Reservoir from the appropriate entities as described below.

15.6.1. Dominion shall not store water in Chatfield Reservoir until it has obtained the necessary approvals from the U.S. Army Corps of Engineers.

15.6.2. Dominion may only store water in the portion of Chatfield Reservoir storage capacity which it has a contractual right to use.

15.6.3. Dominion shall account for and bear seepage and evaporation losses on water rights stored in Chatfield Reservoir as determined by the Division Engineer

or as otherwise determined in conjunction with Denver Water, Centennial, the Town of Castle Rock, and the other participants in the Chatfield Reallocation Project.

15.6.4. Dominion shall limit its storage of water pursuant to the Chatfield Reservoir storage rights decreed herein to the lesser of 500 acre-feet or the actual storage space that Dominion ultimately acquires the right to use.

15.6.5. Dominion's accounting must distinguish between water stored in Dominion's account and accounts of other water users in Chatfield Reservoir.

15.6.6. Dominion shall comply with the Chatfield Reservoir Management Agreement dated October 15, 2015 or any amendments thereto (collectively "Management Agreement") and the Chatfield Reservoir Fish and Wildlife Mitigation Plan dated January 2014 or any amendments thereto (collectively "Mitigation Plan"). With respect to Dominion's diversion and use of water, in the event of a conflict between the terms of this Decree and the terms of the Management Agreement or Mitigation Plan, the terms of this Decree controls. Dominion agrees that it shall not exchange upon flows released from the environmental pool in accordance with paragraph 3 on page 6 of the Management Agreement in any administratively and/or judicially approved exchange using the conditional Chatfield Reservoir water rights decreed herein.

15.7. **Accounting**: The accounting forms are an administrative tool required by this decree to track and determine whether the operations decreed herein are made in accordance with the terms and conditions of this decree. Dominion shall measure and account daily for its water use under this Decree and shall submit its accounting to the Division Engineer and Water Commissioner on a monthly basis within thirty (30) days of the end of the preceding accounting month, unless the Division Engineer requires more frequent measurement and reporting. The form, format, and method of submission of the accounting must be acceptable to the Division Engineer, or a designated representative. Upon written request, Dominion will provide Opposers with copies of such accounting in electronic format at no cost. The accounting forms provided as **Exhibit 5** will be used to account for Dominion's operations under this decree. The initial accounting forms are not specifically decreed herein. The accounting forms may be subject to modification, including from time to time at the request of the Division Engineer.

15.7.1. **Accounting Approval**: The accounting shall be sufficient in detail so that state water officials are not limited in their duty to administer and make a record of the movement of water in accordance with this decree. The formulas, values, tables, and methods of calculation within the accounting forms must be in accordance with this decree. The accounting forms must be approved by the Division Engineer, or a designated representative, and shall adhere to all applicable policies, guidelines, and protocols established by the Division Engineer.

15.7.1.1. The Division Engineer may revoke its approval of the submitted accounting forms if the entered values, the methods of calculation, formulas, or tables are determined by the Division Engineer to be deficient. Deficiencies may include incorrect formulas or values, erroneous calculations, or any other deficiency that prevents the ability of the Division Engineer to properly administer and track the movement of water in accordance with this decree.

15.7.1.2. Dominion may operate this decree only when the accounting has been approved by the Division Engineer and only if that approval has not been revoked.

15.7.2. Changes to Accounting Forms: For any proposed changes to such accounting forms after they have been approved for initial use, Dominion will provide notice to the Opposers of the proposed changes to the initial accounting forms when they are submitted to the Division Engineer. Opposers shall have thirty-five (35) days after such notice is served to provide comments to the Division Engineer on Dominion's proposed changes to the initial accounting forms. If one or more Opposers files comments, within the thirty-five (35) day period, Dominion may provide responses to the Division Engineer no later than twenty-one (21) days after the end of the Opposers' comment period. For any changes made to the accounting at the request of the Division Engineer, or a designated representative, the Division Engineer may approve such changes without waiting for the above comment period to expire.

15.7.3. Judicial Review: Any dispute about a decision of the Division Engineer to approve or revoke Dominion's accounting, including the approval or denial of any changes to Dominion's accounting forms, will be resolved as a water matter subject to judicial review under the State Administration Procedure Act in a new action to be determined by the Court in accordance with C.R.S. §§37-92-101 *et seq.*

15.7.4. Information in the accounting forms:

15.7.4.1. The accounting forms for the Dominion Direct Flow Rights must include, at a minimum, the information in the initial accounting form as shown in **Exhibit 5** and/or the following information:

15.7.4.1.1. Priority date, location, and name of calling water right;

15.7.4.1.2. Daily measurement and tracking of all diversions under Dominion's Direct Flow Rights;

15.7.4.2. The accounting forms for the Dominion Storage Rights must be based on the mass-balance approach and include, at a minimum, the information in the initial accounting form as shown on **Exhibit 5** and/or the following information:

15.7.4.2.1. Priority date, location, and name of calling water right;

15.7.4.2.2. Daily measurement and tracking of all inflows and outflows at each of the Dominion storage structures described in Section 3 herein, (total and by water type and water right), losses (evaporation and seepage, total and by water type and water right), and total storage contents (total and by water type and water right) in each storage structure;

15.7.4.2.3. Change in storage of each of the Dominion storage structures;

15.7.4.2.4. Running totals on the fill and refill of each Dominion Storage Right;

15.7.4.2.5. Carryover, paper fill and book over for each of the Dominion Storage Rights;

15.7.4.2.6. Transit losses incurred in the conveyance of the water in the natural stream to points of re-diversion and subsequent storage or use;

15.7.4.2.7. The total volume of water stored pursuant to the Dominion Storage Rights.

15.7.4.3. The accounting forms for the Dominion Exchanges decreed herein must include, at a minimum, the information included in the initial accounting forms as shown in **Exhibit 5**, and/or the following information:

15.7.4.3.1. The exchange-from and exchange-to point;

15.7.4.3.2. The source of supply used in each exchange;

15.7.4.3.3. Measured deliveries of the source of substitute supply at the point of delivery or release to the South Platte River or Plum Creek;

15.7.4.3.4. Transit losses incurred in the conveyance of water in the natural stream to the exchange-from point.

15.7.4.3.5. Evaluation of the exchange potential, including whether there is a live stream and the call on the river;

15.8. **Chatfield Checksheet.** Prior to storing water in Chatfield Reservoir pursuant to the Chatfield Reservoir right decreed herein, Dominion shall obtain approvals from the Division Engineer, Denver Water, and Centennial to include Dominion's storage in the daily "Chatfield Checksheet" or the format then required by the Division Engineer. Dominion shall submit the accounting, including all back-up and supporting information, daily in a form acceptable to the Division Engineer and Water Commissioner.

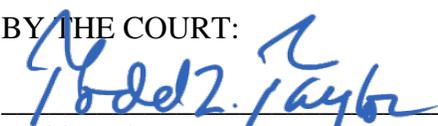
15.9. **No Precedent.** This Decree is the result of substantial negotiation and settlement discussions between the parties. By stipulation to entry of this Decree, no party in this case intends that this Decree becomes precedent to resolve issues in any other case, and no party will be collaterally estopped, by reasons of this Decree, from asserting any factual and/or legal issues in any other case not involving these water rights. This Decree may not be used, considered, or cited as a precedent in any other case except and only to the extent that the rights decreed herein are at issue.

15.10. **Filing of Copies.** A copy of this Ruling and Decree shall be filed with the Water Clerk for Water Division No. 1, and the Decree shall become effective upon filing. Copies shall also be filed with the State Engineer and the Division Engineer for Water Division No. 1.

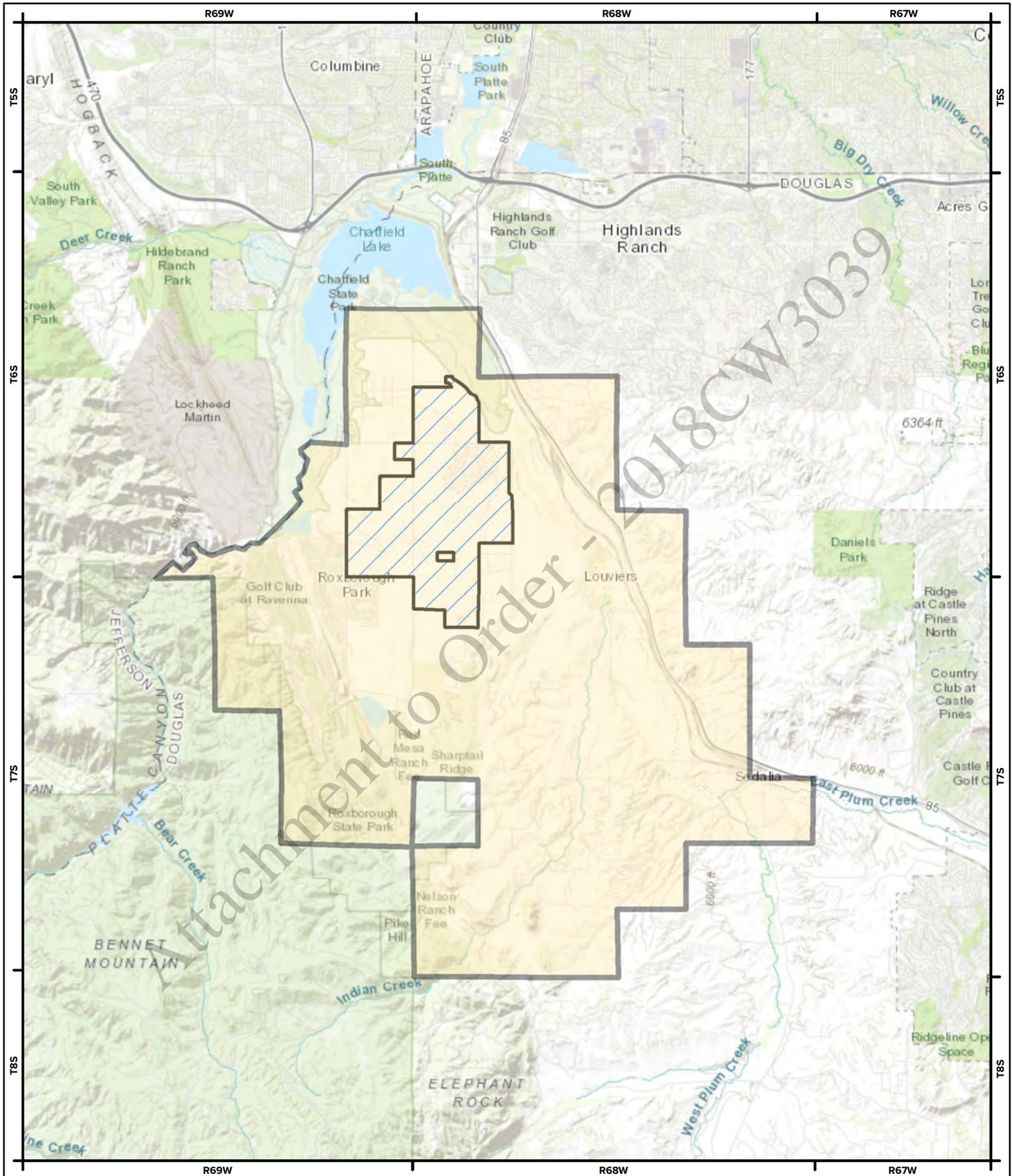
15.11. **Diligence.** It is further ordered, in accordance with C.R.S. §37-92-301(4)(a), that the conditional direct flow, storage and exchange water rights herein awarded are hereby continued in full force and effect until June 30, 2027. If Applicant desires to maintain such conditional water rights, an application for finding of reasonable diligence shall be filed on or before June 30, 2027, or a showing must be made on or before such date that all or a portion of the conditional rights have become absolute by reason of the completion of the appropriation and placing the water right to beneficial use.

ENTERED this 16th day of June, 2021.

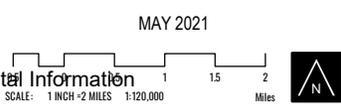
BY THE COURT:

  
\_\_\_\_\_  
Todd Taylor  
Water Court Judge  
Water Division No. 1

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox Contributors, and the GIS User Community



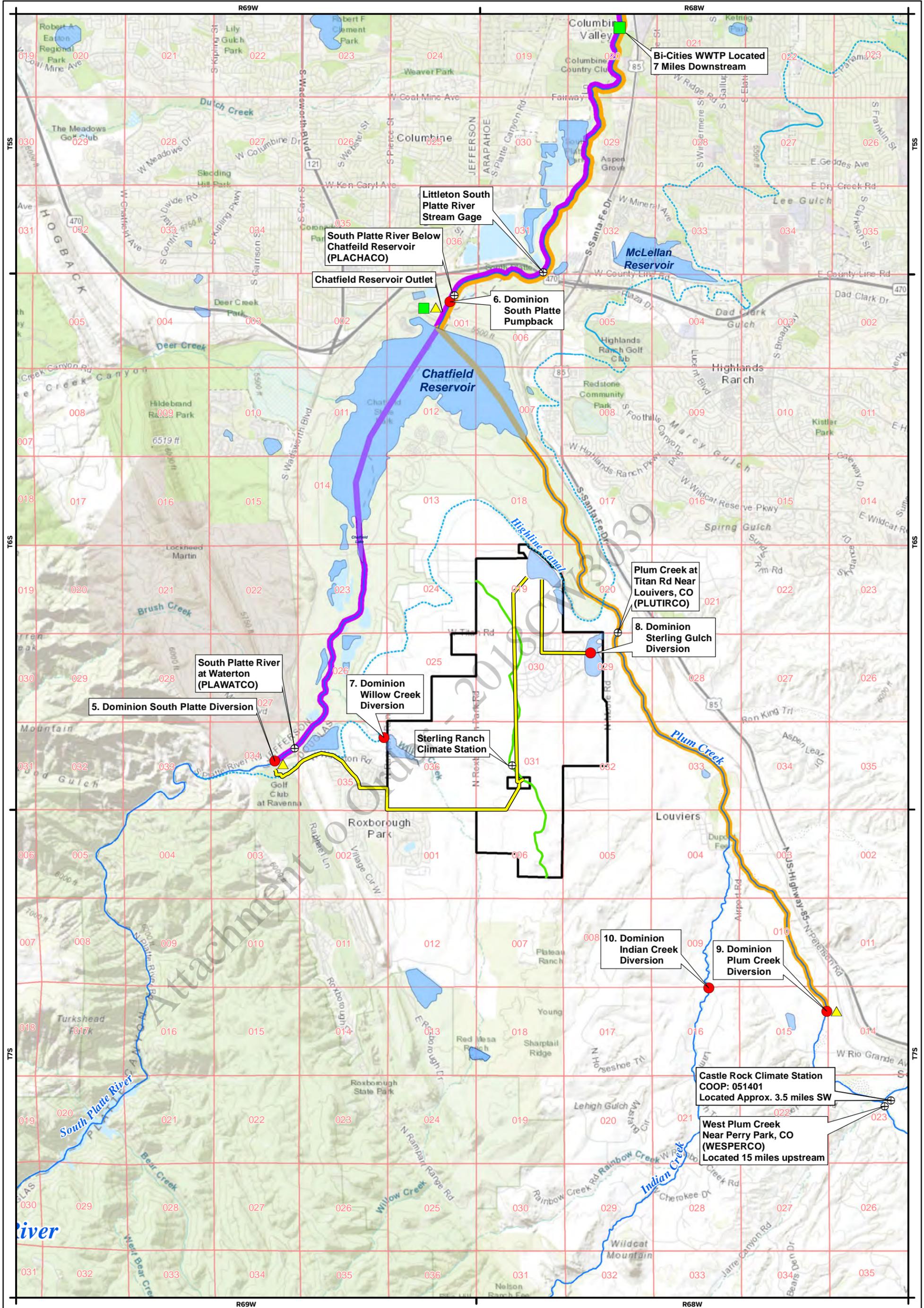
- DOMINION SERVICE AREA (33,000 ACRES)
- STERLING RANCH CAB SERVICE AREA



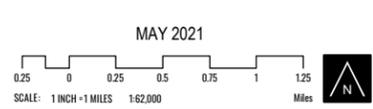
**DOMINION WATER & SANITATION DISTRICT**  
**CASE NO. 18CW3039**

**EXHIBIT 1**

**DOMINION SERVICE AREA**



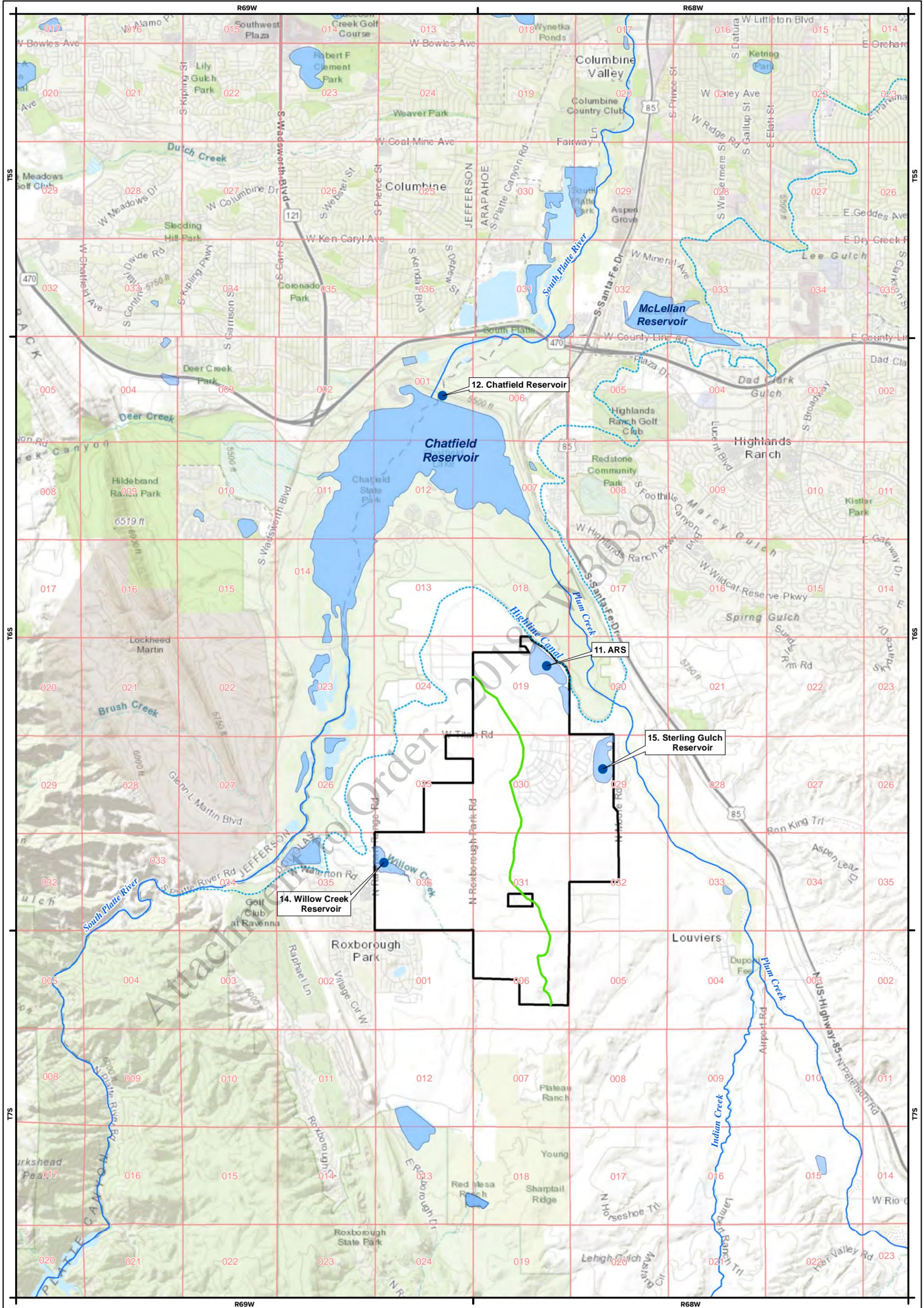
NEW EXCHANGE-TO POINT	RIVERS	STERLING RANCH BOUNDARY
NEW EXCHANGE-FROM POINT	EXCHANGE 1 AND 2	SECTION LINES
STREAMFLOW AND CLIMATE STATIONS	EXCHANGE REACH 1	
NEW DIRECT FLOW WATER RIGHT LOCATION	EXCHANGE REACH 2	
DOMINION LINE		



**DOMINION WATER & SANITATION DISTRICT  
CASE NO. 18CW3039**

**EXHIBIT 2**

**NEW DIRECT FLOW WATER  
RIGHT & EXCHANGE LOCATIONS**



- NEW STORAGE WATER RIGHT LOCATION
- PLUM CREEK/SOUTH PLATTE RIVER DRAINAGE BASIN DIVIDE
- RIVERS
- STERLING RANCH BOUNDARY
- SECTION LINES

MAY 2021

SCALE: 1 INCH = 1 MILES 1:56,000

**DOMINION WATER & SANITATION DISTRICT**  
**CASE NO. 18CW3039**

**EXHIBIT 3**  
**NEW STORAGE WATER RIGHT LOCATIONS**

**EXHIBIT 4**

**Exchange Matrix and Exchange Volume Limits**

Dominion Water & Sanitation District Conditional Exchange Water Rights Case No. 18CW3039 Exchange Rates (in cfs) Appropriation Date: February 28, 2018					
		Exchange to Points			
		Dominion South Platte Diversion	Dominion Plum Creek Diversion	Chatfield Reservoir	
		WDID	TBD	TBD	0803514
Exchange From Points	Chatfield Reservoir	0803514	24	10	-
	Bi-Cities WWTP <sup>1</sup>	0802300	3.5	3.5	3.5

Notes: 1. Bi-Cities WWTP is now known as the South Platte Water Renewal Partners.

Dominion Water & Sanitation District Conditional Exchange Water Rights Case No. 18CW3039 Volume Limits (in AF) Appropriation Date: February 28, 2018					
		Exchange to Points			
		Dominion South Platte Diversion	Plum Creek Diversion <sup>2</sup>	Chatfield Reservoir	
		WDID	TBD	TBD	0803514
Exchange From Points	Chatfield Reservoir <sup>3</sup>	0803514	8,723	2,618	-
	Bi-Cities WWTP <sup>1</sup>	0802300	1,559	1,219	1,624

- Notes: 1. Bi-Cities WWTP is now known as the South Platte Water Renewal Partners.  
 2. Limited to 10 cfs cumulative for all diversions at the Plum Creek Diversion. Limited maximum annual volumetric limit of 2,618 AF and a 10 year average of 1,150 AF, cumulative, with all diversions at the Plum Creek Diversion.  
 3. Maximum annual volumetric limits of 8,723 AF and 2,618 AF from Chatfield Reservoir to the Dominion South Platte Diversion and Plum Creek Diversion, respectively. All exchanges from Chatfield Reservoir are limited to no more than an average of 6,632 AF per year in any 10 year period.

Contact Information

Dominion Water and Sanitation District

Sample Case No. 18CW3039 Water Rights Accounting

DRAFT 05/28/2021

**Dominion Water & Sanitation District**

Sarah Stone

Manager of Operations

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720-531-4212

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Greenwood Village, CO 80112

**LRE Water**

Greg Roush

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303.455.9589

1221 Auraria Parkway

Denver, CO 80204

**Welborn Sullivan Meck & Tooley, P.C**

Carolyn Burr

[CBurr@wsmtlaw.com](mailto:CBurr@wsmtlaw.com)

303-830-2500

1125 17th Street, Suite 2200

Denver, CO 80202

Attachment to Order - 2018CW3039

Exhibit 5

DRAFT 05/28/2021

Assumptions

Sample Case No. 18CW3039 Water Rights Act

Water Year: 2020

Accounting summary from November 1, 2019 to October 31, 2020

Monthly Summary:

10  
10 October

Month	Month No.	Days per Month	Offset
1 January	1	31	31
2 February	2	29	366
3 March	3	31	
4 April	4	30	
5 May	5	31	
6 June	6	30	
7 July	7	31	
8 August	8	31	
9 September	9	30	
10 October	10	31	
11 November	11	30	
12 December	12	31	

Direct Flow Rights

	WDIDs	Admin No.	Rate (cfs)	Direct Flow	
				Rate	Source
		61420.000000	0	0	South Platte River
		61420.000000	0	0	South Platte River
		61420.000000	0	0	South Platte River
		61420.000000	4	4	South Platte River
Dominion South Platte Pumpback		61420.000000	24	20.7	South Platte River
Dominion South Platte Diversion		61420.000000	10	10	Plum Creek
Dominion's Plum Creek Diversion		61420.000000	10	10	Indian Creek
Dominion Indian Creek		61420.000000	50	24	Willow Creek
Dominion Willow Creek		61420.000000	50	24	Sterling Gulch
Dominion Sterling Gulch		61420.000000	50		

Attachment to Order - 2018CW3039

**Storage Rights**

**\*\* Inlet Capacities listed for demonstrative purposes, not actual capacities**

WDIDs	Admin No.	Volume (AF)*	Refill (AF)	Source	Existing Inlet Capacity** (cfs)
ARS Reservoir	61420.000000	2200	2200	All	999999
Sterling Gulch Reservoir	61420.000000	418	0	Sterling Gulch	999999
Willow Creek Reservoir	61420.000000	249	0	Willow Creek	999999
East Storm Water Ponds	61420.000000	0	0	Unnamed	999999
West Storm Water Ponds	61420.000000	0	0	Unnamed	999999
				South Platte	
				River and Plum	
Chatfield Reservoir	61420.000000	500	500	Creek	999999
	61420.000000	0	0	Plum Creek	999999

\*Assumed Capacity avail to Dominion for Sample Accounting

**Exchange Rights**

Volume Limits (AF)

Admin No.  
61420.000000

Exchange From Points	WDID	Exchange to Points						Proposed Exchange Limits					
		Chatfield Reservoir	Dominion South Platte Diversion	Dominion Plum Creek Diversion	Chatfield Reservoir	Dominion South Platte Diversion	Dominion Plum Creek Diversion	Chatfield Reservoir					
		0803514	TBD	TBD	0803514	TBD	TBD	0803514					
Chatfield Reservoir	0803514	0	0	0	24	10	-	0	0	0	8,723	2,618	-
Bi-Cities WWTP	0802300	0	0	0	3.5	3.5	3.5	0	0	0	1,559	1,219	1,624
	-	0	0	0	-	-	-	0	0	0	-	-	-

Note: Max exchange rate when operating both WWTP exchanges: 3.5 cfs

Max volumetric limit at Dominion's Plum Creek Diversion, including exchanges: 2618 AF/yr

**Exchange Index**

**Exchange From Points**

- 1 Chatfield Reservoir
- 2 Bi-Cities WWTP1
- 3

**Exchange to Points**

- 1 Chatfield Reservoir
- 2
- 3
- 4
- 5 Dominion Plum Creek Diversion
- 6 Dominion South Platte Diversion

**Substitute Supplies**

- 1 ARS Reservoir
- 2 Aurora IGA
- 3 Bi-Cities Effluent
- 4 Castle Rock delivered at Chatfield
- 5 Chatfield Reservoir
- 6 Hock Hocking
- 7 Cherokee Ranch
- 8 Roxborough Effluent
- 9
- 10 Sterling Gulch Reservoir
- 11 Willow Creek Reservoir
- 12 WISE Water at Chatfield

**Exchange Transit Losses for Replacement Supplies to Exchange From Point**

Replacement Source Location	Distance to Chatfield Reservoir (Miles)	Transit Loss (%/ mile)	Transfer loss to Chatfield Reservoir (%)
1 ARS to PC to Chatfield	2.1	0.50%	1.05%
2 Aurora IGA River Deliveries	0		0.0%
6 Hock Hocking	62.8	0.25%	15.7%
7 Cherokee Ranch	8	0.50%	4.00%
8 Roxborough WWTP	3	0.25%	0.75%
9			
10 Sterling Gulch Res	3	0.50%	1.50%
11 Willow Creek Res	3.25	0.25%	0.81%
12 WISE Water at Chatfield	0		0.0%

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 Diversion Accounting  
 Sample Case No. 18CW3039

River Administration				Demands and Effluent							Gage Data				Dominion So. Platte Pumpback		Dominion Plum Creek			Dominion Only Structures							
Date	South Platte Senior Call		Boat Chute Call	Plum Creek Senior Call			Dominion Daily Water Delivery at WTP	Dominion Delivery of Single Use Supply	Dominion Delivery of Reusable Supplies	Dominion Reusable WWTP Flows	Dominion's Available Effluent at Cities WWTP	Dominion's Available Effluent at Bi-Cities WWTP limited to 95% of yesterday's deliveries	Dominion's Available Effluent at Roxborough WWTP	Dominion's Available Effluent at Roxborough WWTP limited to 95% of yesterday's deliveries	South Platte Water Gage Flow	Denver Mini Flow at Water Gage	Total South Platte Pumpback Divs	Dominion South Platte Pumpback Available	Dominion South Platte Pumpback Available	Total Allotted Capacity at Dominion's Plum Creek Diversion	Total Dominion's Plum Creek Diversion Available	Total Dominion Plum Creek Diversion	Dominion South Platte Diversions	Dominion Indian Creek	Dominion Willow Creek	Dominion Sterling Gulch	Dominion Chatfield Reservoir
	Name	Input Location	Input Priority	Input Name	Input Location	Input Priority	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Calc (cfs)	Input (cfs)	Input (cfs)	Fixed (cfs)	Input (cfs)	Calc (cfs)	Input (cfs)	Input (cfs)	Calc (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)	Input (cfs)
10/1/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/2/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/3/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/4/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/5/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/6/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/7/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/8/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/9/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/10/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/11/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/12/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/13/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/14/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/15/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/16/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/17/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/18/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/19/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/20/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/21/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/22/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/23/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/24/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/25/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/26/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/27/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/28/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/29/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/30/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00
10/31/2020							8.57	1.00	7.57	7.19	4.40	4.40	3.17	2.79	1,000.00	30.00	4.00	-	4.00	10.00	10.00	3.00	3.00	3.00	1.00	1.00	8.00

Attachment to

3039

DRAFT 05/28/2021  
 Diversion Accounting  
 Sample Case No. 18CW3039

River Administration				Demands and Effluent								Gage Data		Dominion So. Platte Pumpback			Dominion Plum Creek			Dominion Only Structures								
Date	South Platte Senior Call			Boat Chute Call	Plum Creek Senior Call			Dominion Daily Water Delivery at WTP	Dominion Delivery of Single Use Supply	Dominion Delivery of Reusable Supplies	Dominion Reusable WWTP Flows	Dominion's Available Effluent at Bi-Cities WWTP	Dominion's Available Effluent at Bi-Cities WWTP limited to 95% of yesterday's deliveries	Dominion's Available Effluent at Roxborough WWTP	Dominion's Available Effluent at Roxborough WWTP limited to 95% of yesterday's deliveries	South Platte Waterton Gage Flow	Denver Min Flow at Waterton Gage	Total South Platte Pumpback Divs	Dominion South Platte Pumpback Available	Dominion South Platte Pumpback Diversion Available	Total Allotted Capacity of Dominion's Plum Creek Diversion	Total Dominion's Plum Creek Diversion Available	Total Dominion Plum Creek Diversion	Dominion South Platte Diversions	Dominion Indian Creek	Dominion Willow Creek	Dominion Sterling Gulch	Dominion Chatfield Reservoir
	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Input	Calc	Input	Input	Input	Fixed	Input	Calc	Input	Input	Calc	Input	Input	Input	Input	Input	Input	Input
Name	Location	Priority	Name	Location	Priority	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)				

- Notes:
- (1) Date
  - (2) South Platte Senior Calling Right
  - (3) Boat Chute Calling Right
  - (4) Plum Creek Senior Calling Right
  - (5) Input of Daily Dominion Water Demand
  - (6) Input of Daily Dominion Water Demand met by delivery of Single Use Water Supplies
  - (7) Estimated Daily Raw Water Demand met by Dominion's Reusable Water Supplies
  - (8) Input of Dominion's Reusable WWTP Flows, limited to 95% yesterday's reusable supplies delivered to its system
  - (9) Input of Available Effluent at Bi-Cities WWTP
  - (10) Input of Available Effluent at Roxborough WWTP
  - (11) Input of South Platte at Waterton Gage Daily Average Flow
  - (12) Calculated Minimum Flow Requirement at Waterton Gage
  - (13) Input of Structure Allocation to Dominion
  - (14) Minimum of Available flow at shared structure based on Dominion's allocation, and flow above minimum requirements at Waterton Gage
  - (15) Input of Actual Structure Diversions for Dominion
  - (16) Input of Structure Allocation to Dominion
  - (17) Minimum of Available flow at shared structure based on Dominion's allocation, and flow above minimum requirements in Plum Creek, and the remaining volumetric limit available for the total combined structure limit.
  - (18) Input of Actual Structure Diversions for Dominion
  - (19) Input of Actual Structure Diversions for Dominion
  - (20) Input of Actual Structure Diversions for Dominion
  - (21) Input of Actual Structure Diversions for Dominion
  - (22) Input of Actual Structure Diversions for Dominion
  - (23) Input of Actual Structure Diversions for Dominion
  - (24) Input of Actual Structure Diversions for Dominion
  - (25) Input of Actual Structure Diversions for Dominion

Attachment to Order - 2018-03039

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Dominion's South Platte Pumpback Accounting

Sample Case No. 18C Case No. 18CW3039

Date	River Administration			Diversions				Deliveries			
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total South Platte Pumpback Divs	Total Dominion South Platte Pumpback Available	Total Dominion South Platte Pumpback Available by In-Priority Div	Total Dominion South Platte Pumpback Diversions	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter	
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
10/1/2020	10/1/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/2/2020	10/2/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/3/2020	10/3/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/4/2020	10/4/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/5/2020	10/5/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/6/2020	10/6/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/7/2020	10/7/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/8/2020	10/8/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/9/2020	10/9/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/10/2020	10/10/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/11/2020	10/11/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/12/2020	10/12/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/13/2020	10/13/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/14/2020	10/14/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/15/2020	10/15/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/16/2020	10/16/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/17/2020	10/17/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/18/2020	10/18/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/19/2020	10/19/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/20/2020	10/20/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/21/2020	10/21/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/22/2020	10/22/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/23/2020	10/23/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/24/2020	10/24/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/25/2020	10/25/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/26/2020	10/26/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/27/2020	10/27/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/28/2020	10/28/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/29/2020	10/29/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/30/2020	10/30/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
10/31/2020	10/31/2020	13108.00	52595.52	7669.00	4.00	-	-	4.00	4.00	-	-
Total (in AF)					245.95	0.00	0.00	245.95	245.95	0.00	0.00

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Dominion's South Platte Pumpback Accounting

Sample Case No. 18C Case No. 18CW3039

Date	River Administration			Diversions				Deliveries		
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total South Platte Pumpback Divs	Total Dominion South Platte Pumpback Available	Total Dominion South Platte Pumpback Available by In-Priority Div	Total Dominion South Platte Pumpback Diversions	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

(values in AF)

Annual Summary

	0	1	2	3	4	5	6	7	8	9	10
November-19					238.02	7.93	7.93	238.02	238.02	-	-
December-19					245.95	-	-	245.95	245.95	-	-
January-20					245.95	-	-	245.95	245.95	-	-
February-20					230.09	-	-	230.09	230.09	-	-
March-20					245.95	-	-	245.95	245.95	-	-
April-20					238.02	-	-	238.02	238.02	-	-
May-20					245.95	-	-	245.95	245.95	-	-
June-20					238.02	-	-	238.02	238.02	-	-
July-20					245.95	-	-	245.95	245.95	-	-
August-20					245.95	-	-	245.95	245.95	-	-
September-20					238.02	-	-	238.02	238.02	-	-
October-20					245.95	-	-	245.95	245.95	-	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total South Platte Pumpback Divs
- (5) Total Structure Diversions Available to Dominion
- (6) Total Structure Diversions Available In-Priority
- (7) Total Structure Diversions Available In-Priority
- (8) Deliveries of water from structure to Raw Water Tank for Direct Use
- (9) Deliveries of water from structure to storage at ARS
- (10) Total volume of water delivered to ARS based on the meter reading at ARS

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Dominion's South Platte Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

	River Administration				Diversions				Deliveries		
	Date	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion South Platte Diversion Available	Total Dominion South Platte Diversion Available by Exchange	Total Dominion South Platte Diversion Available by In-Priority Div	Total Dominion South Platte Diversions	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
		Input	Input	Input	Calc	Calc	Calc	Calc	Calc	Calc	Calc
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10/1/2020	10/1/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/2/2020	10/2/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/3/2020	10/3/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/4/2020	10/4/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/5/2020	10/5/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/6/2020	10/6/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/7/2020	10/7/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/8/2020	10/8/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/9/2020	10/9/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/10/2020	10/10/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/11/2020	10/11/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/12/2020	10/12/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/13/2020	10/13/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/14/2020	10/14/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/15/2020	10/15/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/16/2020	10/16/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/17/2020	10/17/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/18/2020	10/18/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/19/2020	10/19/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/20/2020	10/20/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/21/2020	10/21/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/22/2020	10/22/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/23/2020	10/23/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/24/2020	10/24/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/25/2020	10/25/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/26/2020	10/26/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/27/2020	10/27/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/28/2020	10/28/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/29/2020	10/29/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/30/2020	10/30/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
10/31/2020	10/31/2020	13108.00	52595.52	7669.00	3.00	-	-	3.00	3.00	-	-
Total (in AF)					184.47	0.00	0.00	184.47	184.47	0.00	0.00

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Dominion's South Platte Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions				Deliveries		
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion South Platte Diversion Available	Total Dominion South Platte Diversion Available by Exchange	Total Dominion South Platte Diversion Available by In-Priority Div	Total Dominion South Platte Diversions	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

(values in AF)

Annual Summary

	0	1	2	3	4	5	6	7	8	9	10
November-19					5.95	-	-	5.95	5.95	-	-
December-19					-	-	-	-	-	-	-
January-20					-	-	-	-	-	-	-
February-20					-	-	-	-	-	-	-
March-20					-	-	-	-	-	-	-
April-20					-	-	-	-	-	-	-
May-20					-	-	-	-	-	-	-
June-20					-	-	-	-	-	-	-
July-20					-	-	-	-	-	-	-
August-20					184.47	-	-	184.47	184.47	-	-
September-20					178.52	-	-	178.52	178.52	-	-
October-20					184.47	-	-	184.47	184.47	-	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total Dominion South Platte Diversion Available
- (5) Total Structure Diversions Available to Dominion
- (6) Total Structure Diversions Available In-Priority
- (7) Total Structure Diversions Available In-Priority
- (8) Deliveries of water from structure to Raw Water Tank for Direct Use
- (9) Deliveries of water from structure to storage at ARS
- (10) Total volume of water delivered to ARS based on the meter reading at ARS

Exhibit 5

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Dominion's Plum Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions				Deliveries			Volumetric Limits	
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Plum Creek Diversion Available	Total Dominion Plum Creek Diversion Available by Exchange	Total Dominion Plum Creek Diversion Available by In-Priority Div	Total Dominion Plum Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage at ARS based on Master Meter	Cumulative Annual Structure Diversions	Remaining under Volumetric Limit
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)	Calc (AF)	Calc (AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
10/1/2020	10/1/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/2/2020	10/2/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/3/2020	10/3/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/4/2020	10/4/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/5/2020	10/5/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/6/2020	10/6/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/7/2020	10/7/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/8/2020	10/8/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/9/2020	10/9/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/10/2020	10/10/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/11/2020	10/11/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/12/2020	10/12/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/13/2020	10/13/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/14/2020	10/14/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/15/2020	10/15/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/16/2020	10/16/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/17/2020	10/17/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/18/2020	10/18/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/19/2020	10/19/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/20/2020	10/20/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/21/2020	10/21/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/22/2020	10/22/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/23/2020	10/23/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/24/2020	10/24/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/25/2020	10/25/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/26/2020	10/26/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/27/2020	10/27/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/28/2020	10/28/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/29/2020	10/29/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/30/2020	10/30/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
10/31/2020	10/31/2020	13108.00	52595.52	7669.00	10.00	-	-	-	-	-	-	-
Total (in AF)					614.89	0.00	0.00	0.00	0.00	0.00	0.00	

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Dominion's Plum Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions				Deliveries			Volumetric Limits	
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Plum Creek Diversion Available	Total Dominion Plum Creek Diversion Available by Exchange	Total Dominion Plum Creek Diversion Available by In-Priority Div	Total Dominion Plum Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage at ARS based on Master Meter	Cumulative Annual Structure Diversions	Remaining under Volumetric Limit
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)	Calc (AF)	Calc (AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)

(values in AF)

Annual Summary

	0	1	2	3	5	6	7	8	9	10
November-19					595.05	8.37	19.84	-	-	-
December-19					614.89	-	-	-	-	-
January-20					614.89	-	-	-	-	-
February-20					575.22	-	-	-	-	-
March-20					614.89	-	-	-	-	-
April-20					595.05	-	-	-	-	-
May-20					614.89	-	-	-	-	-
June-20					595.05	-	-	-	-	-
July-20					614.89	-	-	-	-	-
August-20					614.89	-	-	-	-	-
September-20					595.05	-	-	-	-	-
October-20					614.89	-	-	-	-	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total Dominion Plum Creek Diversion Available
- (5) Total Structure Diversions Available by Exchange
- (6) Total Structure Diversions Available In-Priority
- (7) Total Structure Diversions Available In-Priority
- (8) Deliveries of water from structure to Raw Water Tank for Direct Use
- (9) Deliveries of water from structure to storage at ARS
- (10) Total volume of water delivered to ARS based on the meter reading at ARS
- (11) Cumulative Annual Structure Diversions
- (12) Remaining under Volumetric Limit

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Dominion's Indian Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

	River Administration				Diversions			Deliveries		
	Date	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Indian Creek Diversion Available	Total Dominion Indian Creek Diversion Available by In-Priority Div	Total Dominion Indian Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
		Input	Input	Input	Calc	Calc	Calc	Calc	Calc	Calc
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
10/1/2020	10/1/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/2/2020	10/2/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/3/2020	10/3/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/4/2020	10/4/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/5/2020	10/5/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/6/2020	10/6/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/7/2020	10/7/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/8/2020	10/8/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/9/2020	10/9/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/10/2020	10/10/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/11/2020	10/11/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/12/2020	10/12/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/13/2020	10/13/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/14/2020	10/14/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/15/2020	10/15/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/16/2020	10/16/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/17/2020	10/17/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/18/2020	10/18/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/19/2020	10/19/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/20/2020	10/20/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/21/2020	10/21/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/22/2020	10/22/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/23/2020	10/23/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/24/2020	10/24/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/25/2020	10/25/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/26/2020	10/26/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/27/2020	10/27/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/28/2020	10/28/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/29/2020	10/29/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/30/2020	10/30/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
10/31/2020	10/31/2020	13108.00	52595.52	7669.00	3.00	-	3.00	0.57	2.43	-
Total (in AF)					184.47	0.00	184.47	34.96	149.50	0.00

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Dominion's Indian Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions			Deliveries		
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Indian Creek Diversion Available	Total Dominion Indian Creek Diversion Available by In-Priority Div	Total Dominion Indian Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
	Input	Input	Input	Calc	Calc	Calc	Calc	Calc	Calc
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(values in AF)

Annual Summary

November-19				5.95	-	5.95	1.13	4.82	9.57
December-19				-	-	-	-	-	-
January-20				-	-	-	-	-	-
February-20				-	-	-	-	-	-
March-20				-	-	-	-	-	-
April-20				-	-	-	-	-	-
May-20				-	-	-	-	-	-
June-20				-	-	-	-	-	-
July-20				-	-	-	-	-	-
August-20				184.47	-	184.47	34.96	149.50	-
September-20				178.52	-	178.52	33.84	144.68	-
October-20				184.47	-	184.47	34.96	149.50	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total Dominion Indian Creek Diversion Available
- (5) Total Structure Diversions Available In-Priority
- (6) Total Structure Diversions Available In-Priority
- (7) Deliveries of water from structure to Raw Water Tank for Direct Use
- (8) Deliveries of water from structure to storage at ARS
- (9) Total volume of water delivered to ARS based on the meter reading at ARS

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Dominion's Willow Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions			Deliveries		
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Willow Creek Diversion Available	Total Dominion Willow Creek Diversion Available by In-Priority Div	Total Dominion Willow Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
	Input	Input	Input	Calc	Calc	Calc	Calc	Calc	Calc
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
10/1/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/2/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/3/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/4/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/5/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/6/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/7/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/8/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/9/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/10/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/11/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/12/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/13/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/14/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/15/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/16/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/17/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/18/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/19/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/20/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/21/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/22/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/23/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/24/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/25/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/26/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/27/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/28/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/29/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/30/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
10/31/2020	13108.00	52595.52	7669.00	3.00	-	3.00	-	3.00	-
Total (in AF)				184.47	0.00	184.47	0.00	184.47	0.00

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Dominion's Willow Creek Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions			Deliveries		
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Willow Creek Diversion Available	Total Dominion Willow Creek Diversion Available by In-Priority Div	Total Dominion Willow Creek Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	Volume to Storage based on Master Meter
	Input	Input	Input	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (cfs)	Calc (AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

(values in AF)

Annual Summary

Month	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
November-19				5.95	-	5.95	-	5.95	11.80
December-19				-	-	-	-	-	-
January-20				-	-	-	-	-	-
February-20				-	-	-	-	-	-
March-20				-	-	-	-	-	-
April-20				-	-	-	-	-	-
May-20				-	-	-	-	-	-
June-20				-	-	-	-	-	-
July-20				-	-	-	-	-	-
August-20				184.47	-	184.47	-	184.47	-
September-20				178.52	-	178.52	-	178.52	-
October-20				184.47	-	184.47	-	184.47	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total Dominion Willow Creek Diversion Available
- (5) Total Structure Diversions Available In-Priority
- (6) Total Structure Diversions
- (7) Deliveries of water from structure to Raw Water Tank for Direct Use
- (8) Deliveries of water from structure to storage at ARS
- (9) Total volume of water delivered to ARS based on the meter reading at ARS

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Dominion's Sterling Gulch Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

	River Administration			Diversions			Deliveries				
	Date	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Sterling Gulch Diversion Available	Total Dominion Sterling Gulch Diversion Available by In-Priority Div	Total Dominion Sterling Gulch Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	to Storage at Sterling Gulch Reservoir	Volume to Storage at ARS based on Master Meter
		Input	Input	Input	Calc	Calc	Calc	Input	Calc	Calc	Calc
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10/1/2020	10/1/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/2/2020	10/2/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/3/2020	10/3/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/4/2020	10/4/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/5/2020	10/5/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/6/2020	10/6/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/7/2020	10/7/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/8/2020	10/8/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/9/2020	10/9/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/10/2020	10/10/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/11/2020	10/11/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/12/2020	10/12/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/13/2020	10/13/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/14/2020	10/14/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/15/2020	10/15/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/16/2020	10/16/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/17/2020	10/17/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/18/2020	10/18/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/19/2020	10/19/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/20/2020	10/20/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/21/2020	10/21/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/22/2020	10/22/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/23/2020	10/23/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/24/2020	10/24/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/25/2020	10/25/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/26/2020	10/26/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/27/2020	10/27/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/28/2020	10/28/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/29/2020	10/29/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/30/2020	10/30/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
10/31/2020	10/31/2020	13108.00	52595.52	7669.00	1.00	-	1.00	-	1.00	-	-
Total (in AF)					61.49	0.00	61.49	0.00	61.49	0.00	0.00

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Dominion's Sterling Gulch Diversion Accounting

Sample Case No. 18CW Case No. 18CW3039

Date	River Administration			Diversions			Deliveries			
	South Platte Senior Call	Boat Chute Call	Plum Creek Senior Call	Total Dominion Sterling Gulch Diversion Available	Total Dominion Sterling Gulch Diversion Available by In-Priority Div	Total Dominion Sterling Gulch Diversion	to Raw Water Tank (Direct Use)	to Storage at ARS	to Storage at Sterling Gulch Reservoir	Volume to Storage at ARS based on Master Meter
	Input	Input	Input	Calc	Calc	Calc	Input	Calc	Calc	Calc
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

(values in AF)

Annual Summary

November-19				1.98	-	1.98	-	1.98	-	3.93
December-19				-	-	-	-	-	-	-
January-20				-	-	-	-	-	-	-
February-20				-	-	-	-	-	-	-
March-20				-	-	-	-	-	-	-
April-20				-	-	-	-	-	-	-
May-20				-	-	-	-	-	-	-
June-20				-	-	-	-	-	-	-
July-20				-	-	-	-	-	-	-
August-20				61.49	-	61.49	-	61.49	-	-
September-20				59.51	-	59.51	-	59.51	-	-
October-20				61.49	-	61.49	-	61.49	-	-

Notes:

- (1) South Platte Senior Calling Right
- (2) Boat Chute Calling Right
- (3) Plum Creek Senior Calling Right
- (4) Total Dominion Sterling Gulch Diversion Available
- (5) Total Structure Diversions Available to Dominion
- (6) Total Structure Diversions Available In-Priority
- (7) Total Structure Diversions Available In-Priority
- (8) Deliveries of water from structure to storage at ARS
- (9) Deliveries of water from structure to storage at Sterling Gulch
- (10) Total volume of water delivered to ARS based on the meter reading at ARS

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 ARS Reservoir Accounting  
 Sample Case No. 18CW: Case No. 18CW3039

Date	ARS Reservoir										Delivered Inflows									
	Calculated Beginning of Day Volume	Measured BOD Volume	BOD Water Surface Elevation	BOD Water Surface Area	Percentage Surface Area Ice Covered	Change in Storage	Total Inflows	Out of Priority Inflows	Local Inflows In-Priority Storage		DSPPB	DSP	DPC	DIC	DWC	DSG	SGR	WCR	DCR	Master Meter (Input)
	(AF)	(AF)	(ft)	(ac)	(%)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
10/1/2020	10/1/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/2/2020	10/2/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/3/2020	10/3/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/4/2020	10/4/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/5/2020	10/5/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/6/2020	10/6/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/7/2020	10/7/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/8/2020	10/8/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/9/2020	10/9/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/10/2020	10/10/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/11/2020	10/11/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/12/2020	10/12/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/13/2020	10/13/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/14/2020	10/14/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/15/2020	10/15/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/16/2020	10/16/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/17/2020	10/17/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/18/2020	10/18/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/19/2020	10/19/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/20/2020	10/20/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/21/2020	10/21/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/22/2020	10/22/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/23/2020	10/23/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/24/2020	10/24/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/25/2020	10/25/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/26/2020	10/26/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/27/2020	10/27/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/28/2020	10/28/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/29/2020	10/29/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/30/2020	10/30/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/31/2020	10/31/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (in AF)		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DRAFT 05/28/2021  
 ARS Reservoir Accounting  
 Sample Case No. 18CW: Case No. 18CW3039

Date	ARS Reservoir										Delivered Inflows									
	Calculated Beginning of Day Volume	Measured BOD Volume	BOD Water Surface Elevation	BOD Water Surface Area	Percentage Surface Area Ice Covered	Change in Storage	Total Inflows	Out of Priority Inflows	Local Inflows In-Priority Storage		DSPPB	DSP	DPC	DIC	DWC	DSG	SGR	WCR	DCR	Master Meter (Input)
	(AF)	(AF)	(ft)	(ac)	(%)	(AF)	(AF)	(AF)	(AF)		(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	

(values in AF)

Annual Summary																				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
November-19							220.00	235.00	150.00	50.00	-	-	-	4.82	5.95	1.98	5.00	-	-	35.00
December-19							-	-	-	-	-	-	-	-	-	-	-	-	-	-
January-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
February-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
March-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
April-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
May-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
June-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
July-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
August-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
September-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-
October-20							-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- (1) Beginning of Day Calculated as End of Day Yesterday Volume
- (2) Input Measured Volume at Beginning of Day
- (3) Associated BOD Water Surface Elevation Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (4) Associated BOD Water Area Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (5) Percentage Surface Area Ice Covered
- (6) BOD Tomorrow Measured - BOD Today Measured Volume
- (7) Actual Total Structure Inflows
- (8) Col (7) - (9) - (20)
- (9) Col (7) - (20), if in priority
- (10) Col (19) prorated by Structure Deliveries
- (11) Col (19) prorated by Structure Deliveries
- (12) Col (19) prorated by Structure Deliveries
- (13) Col (19) prorated by Structure Deliveries
- (14) Col (19) prorated by Structure Deliveries
- (15) Col (19) prorated by Structure Deliveries
- (16) Col (19) prorated by Structure Deliveries
- (17) Col (19) prorated by Structure Deliveries
- (18) Col (19) prorated by Structure Deliveries
- (19) Input Total Deliveries from all Structures
- (20) Daily Evaporation Assessed based on Terms and Conditions: Exposed Surface Area\*Area not covered by Ice \* Daily Evap AF/ac, from Climate Tab, used for water balance
- (21) Input Total Deliveries to Raw Water Tank
- (22) Input Total Deliveries to stream as Sub. Supply
- (23) Input Total Deliveries to Storage at Sterling Gulch
- (24) Input Total Deliveries to Storage at Chatfield
- (25) Input Release of Out of Priority Storage
- (26) Sum Cols (20) to (25)
- (27) Col (1) + (7) - (26), limited to physical capacity
- (28) Yesterday's EOD Storage Volume, plus Col (8) - Col (25)
- (29) Yesterday's EOD Storage Volume, plus Col (21) - Sum Cols (9 thru 16) - Prorata share of Col (28)
- (30) Yesterday's EOD Storage Volume, plus Col (16) - Prorata share of Col (28)
- (31) Yesterday's EOD Storage Volume, plus Col (17) - Prorata share of Col (28)
- (32) Yesterday's EOD Storage Volume, plus Col (20) - Prorata share of Col (28)
- (33) MIN(Decreed Capacity - Col (29),Decreed Capacity -Remaining Volumetric Limits on Fill - Col 7,Remaining Refill-Remaining Volumetric Limits on Refill-Total Outflows)
- (34) Check that Inflow Meter Matches Total daily Inflows

Sample Case No. 18CW:

	Misc. Losses (Seep and Evap)	to Raw Water Tank	to stream as Sub. Supply	to Storage at Sterling Gulch	to Storage at Chatfield	Release of Out of Priority Storage	Total Outflows	End of Day Volume	Storage Allocation					Available Capacity for Tomorrow's Ops (AF)	Meter Matches Inflows? Y/N
									End of Day Volume in Storage						
									OOPS	ARS	SGR	WCR	DCR		
(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(34)		
10/1/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/2/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/3/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/4/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/5/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/6/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/7/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/8/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/9/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/10/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/11/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/12/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/13/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/14/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/15/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/16/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/17/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/18/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/19/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/20/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/21/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/22/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/23/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/24/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/25/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/26/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/27/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/28/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/29/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/30/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
10/31/2020	-150.00	0.00	0.00	0.00	0.00	0.00	150.00	0.00	150.00	0.00	0.00	0.00	0.00	2200.00	
Total (in AF)	-4650.00	0.00	0.00	0.00	0.00	0.00	4650.00	0.00							

Sample Case No. 18CW:

Misc. Losses (Seep and Evap)	to Raw Water Tank	to stream as Sub. Supply	to Storage at Sterling Gulch	to Storage at Chatfield	Release of Out of Priority Storage	Total Outflows	End of Day Volume	Storage Allocation					Available Capacity for Tomorrow's Ops (AF)	Meter Matches Inflows? Y/N
								End of Day Volume in Storage						
								OOPS	ARS	SGR	WCR	DCR		
(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	
(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)

(values in AF)

Annual Summary

	20	21	22	23	24	25	26	27	28	29	30	31	32	33
November-19	(3,452.95)	0.77	8.46	-	-	-	3,462.18							
December-19	(4,650.00)	-	-	-	-	-	4,650.00							
January-20	(4,650.00)	-	-	-	-	-	4,650.00							
February-20	(4,350.00)	-	-	-	-	-	4,350.00							
March-20	(4,650.00)	-	-	-	-	-	4,650.00							
April-20	(4,500.00)	-	-	-	-	-	4,500.00							
May-20	(4,650.00)	-	-	-	-	-	4,650.00							
June-20	(4,500.00)	-	-	-	-	-	4,500.00							
July-20	(4,650.00)	-	-	-	-	-	4,650.00							
August-20	(4,650.00)	-	-	-	-	-	4,650.00							
September-20	(4,500.00)	-	-	-	-	-	4,500.00							
October-20	(4,650.00)	-	-	-	-	-	4,650.00							

Notes:

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DRAFT 05/28/2021  
 Sterling Gulch Reservoir Accounting  
 Sample Case No. 18CW: Case No. 18CW3039

Sterling Gulch Reservoir																				
Date	Calculated Beginning of Day Volume	Measured BOD Volume	BOD Water Surface Elevation (ft)	BOD Water Surface Area (ac)	Percentage Surface Area Ice Covered (%)	Change in Storage (AF)	Total Inflows to Storage (AF)	Out of Priority Inflows (AF)	In-Priority Storage (AF)	Delivered Inflows		Daily Evap Assessed (AF)	to Raw Water Tank (AF)	to stream as Sub. Supply (AF)	to Storage at ARS (AF)	to Storage at Chatfield (AF)	Release of Out of Priority Storage (AF)	Total Outflows (AF)	EOD Out of Priority Storage (AF)	End of Day Volume (AF)
										ARS	Total									
										(10)	(11)									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
10/1/2020	10/1/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/2/2020	10/2/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/3/2020	10/3/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/4/2020	10/4/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/5/2020	10/5/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/6/2020	10/6/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/7/2020	10/7/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/8/2020	10/8/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/9/2020	10/9/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/10/2020	10/10/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/11/2020	10/11/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/12/2020	10/12/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/13/2020	10/13/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/14/2020	10/14/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/15/2020	10/15/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/16/2020	10/16/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/17/2020	10/17/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/18/2020	10/18/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/19/2020	10/19/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/20/2020	10/20/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/21/2020	10/21/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/22/2020	10/22/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/23/2020	10/23/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/24/2020	10/24/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/25/2020	10/25/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/26/2020	10/26/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/27/2020	10/27/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/28/2020	10/28/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/29/2020	10/29/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/30/2020	10/30/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
10/31/2020	10/31/2020	(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)
Total (in AF)		(0.16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(0.16)

DRAFT 05/28/2021  
Sterling Gulch Reservoir Accounting  
Sample Case No. 18CW: Case No. 18CW3039

Sterling Gulch Reservoir																				
Date	Calculated Beginning of Day Volume	Measured BOD Volume	BOD Water Surface Elevation	BOD Water Surface Area	Percentage Surface Area Ice Covered	Change in Storage	Total Inflows to Storage	Out of Priority Inflows	In-Priority Storage	Delivered Inflows		Daily Evap Assessed	to Raw Water Tank	to stream as Sub. Supply	to Storage at ARS	to Storage at Chatfield	Release of Out of Priority Storage	Total Outflows	EOD Out of Priority Storage	End of Day Volume
										ARS	Total									
	(AF)	(AF)	(ft)	(ac)	(%)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)

(values in AF)

Annual Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
November-19						-	-	-	-	-	-	(25.76)	-	-	5.00	-	-	-	30.76	
December-19						-	-	-	-	-	-	(23.87)	-	-	-	-	-	-	23.87	
January-20						-	-	-	-	-	-	(23.87)	-	-	-	-	-	-	23.87	
February-20						-	-	-	-	-	-	(22.33)	-	-	-	-	-	-	22.33	
March-20						-	-	-	-	-	-	(23.87)	-	-	-	-	-	-	23.87	
April-20						-	-	-	-	-	-	(23.10)	-	-	-	-	-	-	23.10	
May-20						-	-	-	-	-	-	(23.87)	-	-	-	-	-	-	23.87	
June-20						-	-	-	-	-	-	(23.10)	-	-	-	-	-	-	23.10	
July-20						-	-	-	-	-	-	(5.39)	-	-	-	-	-	-	5.39	
August-20						-	-	-	-	-	-	-	-	-	-	-	-	-	-	
September-20						-	-	-	-	-	-	-	-	-	-	-	-	-	-	
October-20						-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

- (1) Beginning of Day Calculated as End of Day Yesterday Volume
- (2) Input Measured Volume at Beginning of Day
- (3) Associated BOD Water Surface Elevation Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (4) Associated BOD Water Area Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (5) Percentage Surface Area Ice Covered
- (6) BOD Tomorrow Measured - BOD Today Measured Volume
- (7) Actual Total Sturcutre Diversions made by Dominion
- (8) Col (7) - (9) - (12)
- (9) Col (7) - (12), if in priority
- (10) ARS Col (28)
- (11) Col (10) + (11)
- (12) Daily Evaporation Assessed based on Terms and Conditions: Exposed Surface Area\*Area not covered by Ice \* Daily Evap AF/ac, from Climate Tab
- (13) Input Total Deliveries to Raw Water Tank
- (14) Input Total Deliveries to stream as Sub. Supply
- (15) Input Total Deliveries to Storage at ARS
- (16) Input Total Deliveries to Storage at Chatfield
- (17) Input Total Deliveries Release of Out of Priority Storage
- (18) Sum Cols (13) to (18)
- (19) Yesterday's EOD Storage Volume, plus Col (8) - Col (18)
- (20) Col (1) + (7) - (18), limited to physical capacity

DRAFT 05/28/2021  
 Willow Creek Reservoir Accounting  
 Sample Case No. Case No. 18CW3039

Willow Creek Reservoir																			Available Capacity for Tomorrow's Ops (AF) (19)
Date	Calculated Beginning of Day Volume	Measured BOD Volume	BOD Water Surface Elevation	BOD Water Surface Area	Percentage Surface Area Ice Covered	Change in Storage	Total Inflows to Storage	Out of Priority Inflows	In-Priority Storage	Daily Evap Assessed	to Raw Water Tank	to stream as Sub. Supply	to Storage at ARS	to Storage at Chatfield	Out of Priority Storage Release	Total Outflows	EOD Out of Priority Storage	End of Day Volume	
	(AF) (1)	(ft) (2)	(AF) (3)	(ac) (4)	(%) (5)	(AF) (6)	(AF) (7)	(AF) (8)	(AF) (9)	(AF) (10)	(AF) (11)	(AF) (12)	(AF) (13)	(AF) (14)	(AF) (15)	(AF) (16)	(AF) (17)	(AF) (18)	
10/1/2020	10/1/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/2/2020	10/2/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/3/2020	10/3/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/4/2020	10/4/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/5/2020	10/5/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/6/2020	10/6/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/7/2020	10/7/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/8/2020	10/8/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/9/2020	10/9/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/10/2020	10/10/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/11/2020	10/11/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/12/2020	10/12/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/13/2020	10/13/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/14/2020	10/14/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/15/2020	10/15/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/16/2020	10/16/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/17/2020	10/17/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/18/2020	10/18/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/19/2020	10/19/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/20/2020	10/20/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/21/2020	10/21/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/22/2020	10/22/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/23/2020	10/23/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/24/2020	10/24/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/25/2020	10/25/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/26/2020	10/26/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/27/2020	10/27/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/28/2020	10/28/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/29/2020	10/29/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/30/2020	10/30/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
10/31/2020	10/31/2020	0.80	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Total (in AF)		0.80	0.00	0.00	1.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80

DRAFT 05/28/2021  
 Willow Creek Reservoir Accounting  
 Sample Case No. Case No. 18CW3039

Willow Creek Reservoir																			Available Capacity for Tomorrow's Ops (AF) (19)
Date	Calculated Beginning of Day Volume (AF) (1)	Measured BOD Volume (ft) (2)	BOD Water Surface Elevation (AF) (3)	BOD Water Surface Area (ac) (4)	Percentage Surface Area Ice Covered (%) (5)	Change in Storage (AF) (6)	Total Inflows to Storage (AF) (7)	Out of Priority Inflows (AF) (8)	In-Priority Storage (AF) (9)	Daily Evap Assessed (AF) (10)	to Raw Water Tank (AF) (11)	to stream as Sub. Supply (AF) (12)	to Storage at ARS (AF) (13)	to Storage at Chatfield (AF) (14)	Out of Priority Storage Release (AF) (15)	Total Outflows (AF) (16)	EOD Out of Priority Storage (AF) (17)	End of Day Volume (AF) (18)	

(values in AF)

Annual Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
November-19						(5.00)	-	-	-	4.20	-	-	-	-	-	4.20		
December-19						-	-	-	-	-	-	-	-	-	-	-		
January-20						-	-	-	-	-	-	-	-	-	-	-		
February-20						-	-	-	-	-	-	-	-	-	-	-		
March-20						-	-	-	-	-	-	-	-	-	-	-		
April-20						-	-	-	-	-	-	-	-	-	-	-		
May-20						-	-	-	-	-	-	-	-	-	-	-		
June-20						-	-	-	-	-	-	-	-	-	-	-		
July-20						-	-	-	-	-	-	-	-	-	-	-		
August-20						-	-	-	-	-	-	-	-	-	-	-		
September-20						-	-	-	-	-	-	-	-	-	-	-		
October-20						-	-	-	-	-	-	-	-	-	-	-		

Notes:

- (1) Beginning of Day Calculated as End of Day Yesterday Volume
- (2) Input Measured Volume at Beginning of Day
- (3) Associated BOD Water Surface Elevation Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (4) Associated BOD Water Area Based on Elevation-Area-Capacity Curve Developed Post-Construction
- (5) Percentage Surface Area Ice Covered
- (6) BOD Tomorrow Measured - BOD Today Measured Volume
- (7) Actual Total Sturcutre Diversions made by Dominion
- (8) Col (7) - (9) - (10)
- (9) Col (7) - (10), if in priority
- (10) Daily Evaporation Assessed based on Terms and Conditions: Exposed Surface Area\*Area not covered by Ice \* Daily Evap AF/ac, from Climate Tab
- (11) Input Total Deliveries to Raw Water Tank
- (12) Input Total Deliveries to stream as Sub. Supply
- (13) Input Total Deliveries to Storage at ARS
- (14) Input Total Deliveries to Storage at Chatfield
- (15) Input Total Deliveries Out of Priority Storage Release
- (16) Input Total Deliveries Total Outflows
- (17) Yesterday's EOD Storage Volume, plus Col (8) - Col (16)
- (18) Col (1) + (7) - (18), limited to physical capacity

DRAFT 05/28/2021  
 Dominion's Storage Accounts in Chatfield Reservoir Accounting  
 Sample Case No. 18CW Case No. 18CW3039

Storage Accounting for Dominion's Water Stored in Chatfield Reservoir																	
Date	Beginning of Day Volume	Total Inflows	Out of Priority Inflows	In-Priority Storage	Delivered Inflows				Daily Evap Assessed	to Raw Water Tank	to stream as Sub. Supply	to Storage at ARS Reservoir	to Dominion South Platte River Divs	Release of Out of Priority Storage	Total Outflows	EOD Out of Priority Storage	End of Day Volume
					ARS	SGR	WCR	Total									
	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
10/1/2020	10/1/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/2/2020	10/2/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/3/2020	10/3/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/4/2020	10/4/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/5/2020	10/5/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/6/2020	10/6/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2020	10/7/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/8/2020	10/8/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/9/2020	10/9/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/10/2020	10/10/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/11/2020	10/11/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/12/2020	10/12/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/13/2020	10/13/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/14/2020	10/14/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/15/2020	10/15/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/16/2020	10/16/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/17/2020	10/17/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/18/2020	10/18/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/19/2020	10/19/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/20/2020	10/20/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/21/2020	10/21/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/22/2020	10/22/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/23/2020	10/23/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/24/2020	10/24/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/25/2020	10/25/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/26/2020	10/26/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/27/2020	10/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/28/2020	10/28/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/29/2020	10/29/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/30/2020	10/30/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/31/2020	10/31/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (in AF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DRAFT 05/28/2021  
 Dominion's Storage Accounts in Chatfield Reservoir Accounting  
 Sample Case No. 18CW Case No. 18CW3039

Storage Accounting for Dominion's Water Stored in Chatfield Reservoir																	
Date	Beginning of Day Volume	Total Inflows	Out of Priority Inflows	In-Priority Storage	Delivered Inflows				Daily Evap Assessed	to Raw Water Tank	to stream as Sub. Supply	to Storage at ARS Reservoir	to Dominion South Platte River Divs	Release of Out of Priority Storage	Total Outflows	EOD Out of Priority Storage	End of Day Volume
					ARS	SGR	WCR	Total									
	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)

(values in AF)

Annual Summary

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
November-19							-	-	-	-	-	-	-	-	-	-	-	-
December-19							-	-	-	-	-	-	-	-	-	-	-	-
January-20							-	-	-	-	-	-	-	-	-	-	-	-
February-20							-	-	-	-	-	-	-	-	-	-	-	-
March-20							-	-	-	-	-	-	-	-	-	-	-	-
April-20							-	-	-	-	-	-	-	-	-	-	-	-
May-20							-	-	-	-	-	-	-	-	-	-	-	-
June-20							-	-	-	-	-	-	-	-	-	-	-	-
July-20							-	-	-	-	-	-	-	-	-	-	-	-
August-20							-	-	-	-	-	-	-	-	-	-	-	-
September-20							-	-	-	-	-	-	-	-	-	-	-	-
October-20							-	-	-	-	-	-	-	-	-	-	-	-
November-20							-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- (1) Beginning of Day Calculated as End of Day Yesterday Volume
- (2) Actual Total Sturcutre Diversions made by Dominion
- (3) Col (2) - (4)
- (4) Col (2), if in priority
- (5) ARS Col (24)
- (6) SGR Col (16)
- (7) WCR Col (14)
- (8) Input Total Deliveries
- (9) Daily Evaporation Assessed based on Terms and Conditions: Exposed Surface Area\*Area not covered by Ice \* Daily Evap AF/ac, from Climate Tab
- (10) Input Total Deliveries to Raw Water Tank
- (11) Input Total Deliveries to stream as Sub. Supply
- (12) Input Total Deliveries to Storage at ARS Reservoir
- (13) Input Total Deliveries to Dominion South Platte River Divs
- (14) Input Total Deliveries Release of Out of Priority Storage
- (15) Sum Cols (9) - (14)
- (16) Yesterday's EOD Storage Volume, plus Col (3) - Col (16)
- (17) Col (1) + (2) - (17), limited to physical capacity

DRAFT 05/28/2021  
 Volumetric Limits  
 Sample Case No. 18CW Case No. 18CW3039  
 (values in AF unless otherwise noted)  
 \*\*\*April 1 Carry-over date for water in storage

Date	ARS					Sterling Gulch Reservoir				Willow Creek Reservoir				Chatfield Reservoir					Total Direct Flow Diversions	
	In-Priority Delivery to Storage	Paperfill	Total Volume Against Limits	Cumulative Volume against First Fill	Cumulative Volume Against Refill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	Cumulative Volume Against Refill	Daily Diversions to Direct Use	Total Annual Diversions to Direct Use
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
10/1/2020	10/1/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,126.77
10/2/2020	10/2/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,141.79
10/3/2020	10/3/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,156.80
10/4/2020	10/4/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,171.81
10/5/2020	10/5/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,186.82
10/6/2020	10/6/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,201.84
10/7/2020	10/7/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,216.85
10/8/2020	10/8/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,231.86
10/9/2020	10/9/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,246.87
10/10/2020	10/10/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,261.89
10/11/2020	10/11/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,276.90
10/12/2020	10/12/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,291.91
10/13/2020	10/13/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,306.92
10/14/2020	10/14/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,321.94
10/15/2020	10/15/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,336.95
10/16/2020	10/16/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,351.96
10/17/2020	10/17/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,366.97
10/18/2020	10/18/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,381.99
10/19/2020	10/19/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,397.00
10/20/2020	10/20/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,412.01
10/21/2020	10/21/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,427.02
10/22/2020	10/22/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,442.04
10/23/2020	10/23/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,457.05
10/24/2020	10/24/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,472.06
10/25/2020	10/25/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,487.07
10/26/2020	10/26/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,502.08
10/27/2020	10/27/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,517.10
10/28/2020	10/28/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,532.11
10/29/2020	10/29/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,547.12
10/30/2020	10/30/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.01	3,562.13
10/31/2020	10/31/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,562.13
Total (in AF)				0.00	0.00				0.00				0.00				0.00	0.00	450.37	3,562.13

DRAFT 05/28/2021  
 Volumetric Limits  
 Sample Case No. 18CW Case No. 18CW3039  
 (values in AF unless otherwise noted)  
 \*\*\*April 1 Carry-over date for water in storage

Date	ARS					Sterling Gulch Reservoir				Willow Creek Reservoir				Chatfield Reservoir					Total Direct Flow Diversions	
	In-Priority Delivery to Storage	Paperfill	Total Volume Against Limits	Cumulative Volume against First Fill	Cumulative Volume Against Refill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	In-Priority Divs	Paperfill	Total Inflows	Cumulative Volume against First Fill	Cumulative Volume Against Refill	Daily Diversions to Direct Use	Total Annual Diversions to Direct Use
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)

(values in AF)

Annual Summary

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
November-19		85.00	-	85.00	285.00	0.00	-	-	-	200.00	-	-	-	200.00	-	-	-	200.00	0.00	7.93	253.03
December-19		-	-	-	285.00	0.00	-	-	-	200.00	-	-	-	200.00	-	-	-	200.00	0.00	7.93	498.99
January-20		-	-	-	285.00	0.00	-	-	-	200.00	-	-	-	200.00	-	-	-	200.00	0.00	7.93	744.94
February-20		-	-	-	285.00	0.00	-	-	-	200.00	-	-	-	200.00	-	-	-	200.00	0.00	7.93	975.03
March-20		-	-	-	285.00	0.00	-	-	-	200.00	-	-	-	200.00	-	-	-	200.00	0.00	7.93	1220.98
April-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	7.93	1459.00
May-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	7.93	1704.95
June-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	7.93	1942.97
July-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	15.01	2196.01
August-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	15.01	2661.39
September-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	15.01	3111.76
October-20		-	-	-	0.00	0.00	-	-	-	0.00	-	-	-	0.00	-	-	-	0.00	0.00	0.00	3562.13
November-20																					

Notes:

- (1) Date
- (2) Total In-Priority Deliveries to Storage
- (3) Volume of water available for diversion, and storage, that was not put to storage ("Paperfill")
- (4) Total Inflows plus Paperfilled Inflows
- (5) Cumulative Volume stored against First Fill
- (6) Cumulative Volume stored against Refill
- (7) Total In-Priority Deliveries to Storage
- (8) Volume of water available for diversion, and storage, that was not put to storage ("Paperfill")
- (9) Total Inflows plus Paperfilled Inflows
- (10) Cumulative Volume stored against First Fill
- (11) Total In-Priority Deliveries to Storage
- (12) Volume of water available for diversion, and storage, that was not put to storage ("Paperfill")
- (13) Total Inflows plus Paperfilled Inflows
- (14) Cumulative Volume stored against First Fill
- (15) Total In-Priority Deliveries to Storage
- (16) Volume of water available for diversion, and storage, that was not put to storage ("Paperfill")
- (17) Total Inflows plus Paperfilled Inflows
- (18) Cumulative Volume stored against First Fill
- (19) Cumulative Volume stored against Refill
- (20) Total Direct Flow Diversions to Raw Tank
- (21) Total Cumulative direct flow diversions to Raw Tank

DRAFT 05/28/2021  
Exchange Accounting  
Case No. 18CW3039

Date	Exchange-To Points			Exchange-From Points			Substitute Supplies											T&Cs Check					
	Dominion South Platte Diversion	Dominion Plum Creek Diversion	Chatfield Reservoir	Chatfield Reservoir	Bi-Cities WWTP	Bi-Cities WWTP Effluent	Roxborough WWTP Effluent	ARS to PC to Chatfield	Sterling Gulch Res to Chatfield	Willow Creek Res to Chatfield	Storage Accounting for Dominion's Water Stored in Chatfield Reservoir	Aurora IGA River Deliveries	Hock Hocking to Chatfield	WISE Water at Chatfield	Castle Rock delivered at Chatfield	Cherokee Ranch to Chatfield (after relinquishment paid)	Other (Comments)	Total Available Sub Supplies	South Platte Max Exchange Potential	Plum Creek Max Exchange Potential	Volumetric Limit Not Yet Exceeded?	Plum Creek Live Stream?	Water Commish Approval
	(cfs) (1)	(cfs) (2)	(cfs) (3)	(cfs) (4)	(cfs) (5)	(cfs) (6)	(cfs) (7)	(cfs) (8)	(cfs) (9)	(cfs) (10)	(cfs) (11)	(cfs) (12)	(cfs) (13)	(cfs) (14)	(cfs) (15)	(cfs) (16)	(cfs) (17)	(cfs) (18)	(cfs) (19)	(cfs) (20)	(Y/N) (21)	(Y/N) (22)	(Y/N) (23)
10/1/2020	10/1/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/2/2020	10/2/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/3/2020	10/3/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/4/2020	10/4/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/5/2020	10/5/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/6/2020	10/6/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/7/2020	10/7/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/8/2020	10/8/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/9/2020	10/9/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/10/2020	10/10/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/11/2020	10/11/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/12/2020	10/12/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/13/2020	10/13/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/14/2020	10/14/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/15/2020	10/15/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/16/2020	10/16/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/17/2020	10/17/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/18/2020	10/18/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/19/2020	10/19/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/20/2020	10/20/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/21/2020	10/21/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/22/2020	10/22/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/23/2020	10/23/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/24/2020	10/24/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/25/2020	10/25/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/26/2020	10/26/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/27/2020	10/27/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/28/2020	10/28/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/29/2020	10/29/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/30/2020	10/30/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
10/31/2020	10/31/2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Y	Y
Total (in AF)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

Attachment 3039

DRAFT 05/28/2021  
Exchange Accounting  
Case No. 18CW3039

Date	Exchange-To Points			Exchange-From Points			Substitute Supplies										T&Cs Check						
	Dominion South Platte Diversion	Dominion Plum Creek Diversion	Chatfield Reservoir	Chatfield Reservoir	Bi-Cities WWTP	Bi-Cities WWTP Effluent	Roxborough WWTP Effluent	ARS to PC to Chatfield	Sterling Gulch Res to Chatfield	Willow Creek Res to Chatfield	Storage Accounting for Dominion's Water Stored in Chatfield Reservoir	Aurora IGA River Deliveries	Hock Hocking to Chatfield	WISE Water at Chatfield	Castle Rock delivered at Chatfield	Cherokee Ranch to Chatfield (after relinquishment paid)	Other (Comments)	Total Available Sub Supplies	South Platte Max Exchange Potential	Plum Creek Max Exchange Potential	Volumetric Limit Not Yet Exceeded?	Plum Creek Live Stream?	Water Commish Approval
	(cfs) (1)	(cfs) (2)	(cfs) (3)	(cfs) (4)	(cfs) (5)	(cfs) (6)	(cfs) (7)	(cfs) (8)	(cfs) (9)	(cfs) (10)	(cfs) (11)	(cfs) (12)	(cfs) (13)	(cfs) (14)	(cfs) (15)	(cfs) (16)	(cfs) (17)	(cfs) (18)	(cfs) (19)	(cfs) (20)	(Y/N) (21)	(Y/N) (22)	(Y/N) (23)

(values in AF)  
Annual Summary

November-19	-	-	-	-	-	-	-	8.37	-	-	-	-	-	-	-	-	-	8.37	-	8.37	-	-	-
December-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
January-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- (1) Min (SPR Exchange Potential Col (20) - Sum(Col (1) thru Col (3)), Max( 0, DSP Col (8) - (7))
- (2) Min (SPR Exchange Potential Col (20) - Sum(Col (1) thru Col (4)), Max( 0, DPC Col (8) - (7))
- (3) Input
- (4) Min (Col (21)-SUM Cols (8)+9),Col (22) + Col (23),SUM Cols (1) thru (6))
- (5) Min (Col (10),Col (26), SUM Cols (1) thru (6))
- (6) Min (Fully Consumable Effluent Available at WWTP, Exchange Rate Limit)
- (7) Min (Fully Consumable Effluent Available at WWTP, Exchange Rate Limit)
- (8) ARS to PC to Chatfield after transit losses assessed
- (9) Sterling Gulch Res to Chatfield after transit losses assessed
- (10) Willow Creek Res to Chatfield after transit losses assessed
- (11) Storage Accounting for Dominion's Water Stored in Chatfield Reservoir
- (12) Input of Aurora IGA River Deliveries after transit losses
- (13) Input of Hock Hocking to Chatfield
- (14) Input of WISE Water at Chatfield
- (15) Input of Castle Rock delivered at Chatfield
- (16) Input of Cherokee Ranch to Chatfield (after relinquishment paid)
- (17) Input of Other (Comments)
- (18) Sum Cols (12) thru (24) + min(Col (10) + Col (11), WWTP Exchange Rate Limit)
- (19) IF(AND(Col (29)="Y",South Platte Call-Exchange Admin No.),MIN(Col (25),SUM(DailyInput Cols (13), (16), (19), (22), (27))),0)
- (20) IF(AND(Col (29)="Y",Col (28)="Y",Plum Creek Call-Exchange Admin No.),MIN(Col (25),SUM( Cols (25), (28), (29), (30))),0)
- (21) Input of if Volumetric Limits are Not Exceeded? (Y/N)
- (22) Input of Plum Creek Live Stream?
- (23) Input of Water Commish Approval
- (24) Cumulative Exchanged Volume
- (25) Cumulative Exchanged Volume
- (26) Cumulative Exchanged Volume
- (27) Cumulative Exchanged Volume
- (28) Cumulative Exchanged Volume

DRAFT 05/28/2021  
 Climate Data  
 Case No. 18CW3039

**\*\*To be populated once decree is entered**

Date	Chatfield (ETr)	Kp	Ft. Collins (ETr)	Kp	Alt. (in)	Etr (in)	Kp	Daily Evap (AF/ac)
## 11/1/2019	1	1	1.2	1	2	1	1	0.7
## 11/2/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/3/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/4/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/5/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/6/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/7/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/8/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/9/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/10/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/11/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/12/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/13/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/14/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/15/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/16/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/17/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/18/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/19/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/20/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/21/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/22/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/23/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/24/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/25/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/26/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/27/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/28/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/29/2019	1.1	1	2	1	1	1.1	1	0.77
## 11/30/2019	1.1	1	2	1	1	1.1	1	0.77