

Barr Lake/Milton Reservoir Watershed Association
 BMW Board Meeting
 October 26th, 2021 9:00 am – Noon
 Zoom and in person at South Platte Renew

Minutes

Board Attendance:

Steve Lundt – Metro
 Sarah Reeves -SPCURE
 Erin Sandos – S. P. Renew
 Curt Bauers – FRICO
 Brad Cox – Denver
 Julie Tinetti – Centennial
 Michelle Seubert – CPW
 Dan DeLaughter – S. P. Renew

James Boswell – Thornton
 Chris Douglass – ECCV
 Charlie Plush – Heritage Sporting

Public Attendance:

Amy Conklin – BMW Coordinator
 Gina Dennis – Stantec
 Renee Paplow - Metro

Erin got the virtual meeting started. Dan welcomed everyone in person.

Board Officer Elections – Voting for the BMW Officers was completed with a Thumbs Up vote for Erin Sandos as Chair; Steve Lundt as Vice-Chair; Chris Douglass as Treasurer; and James Boswell as Secretary.

Metro Lift Station – Metro Water Recovery is replacing a lift station that has reached the end of its useful life. Tri-County Health is requesting our review of the proposal. Gina Dennis, the consultant working on the project, presented that the lift station is fully designed and they are waiting for permits to begin construction. The lift station is 54 years old and most of the parts are designed for 50 years. Metro did a study in 2017 recommending the station be replaced. Its current capacity 39 Million Gallons per Day (MGD) and it has reached the end of its structural life. Some components are failing and can't be repaired. The lift station will be replaced and the old facility demolished. It's in the 100-year floodway and must achieve a zero net rise condition. Both new and proposed facilities are 1 foot above flood level.

The current facility must remain operational during construction. The new station will be 24 MGD, a down size for build out conditions, because projections have been reduced. Construction should begin in 2022 and last 3 years. There is high ground water and construction will take a while. There is no discharge from the project but there is a stormwater retention and water quality pond for runoff from the project site. Direct infiltration is the preferred discharge for stormwater runoff. There are still some tests being done to ensure direct infiltration will be adequate. If not, there will be a discharge to Clear Creek.

Adams County is requiring the stormwater detention from the site. Metro is looking for approval from us as the watershed association. The project was referred to us by Tri-County Health. They want comments by November 12th. BMW will refer the review to Brown & Caldwell and then we could have an email vote. There was a **Thumbs up vote** to have board vote by email. Any impacts from the facility would be to Milton.

FRICO Grant Application – FRICO has submitted a Water Plan Grant Application for funding for increasing storage in Barr Lake by approximately 1,500 AF. Curt discussed the application to CWCB for work being done at Barr Lake to increase storage. In 2018 the state reviewed and amended the precipitation calculations. Because of the change in protocols, the dam can hold an additional 8 inches of water which is about 1,500 AF. The spillway needs to be raised and that work is ongoing. The grant is to replace the existing park infrastructure that the new maximum pool will inundate. The improvements should be an enhancement to the park.

The current capacity is about 32,000 AF. The new water will bring in new loads and we'll need to remember to include that in load calculations. The new storage capacity should be used about 1 in 5 years. It should come in with the same timing as it does now. FRICO will own the new water. The increase in flows shouldn't impact sampling points. No work will be done on the inlet bifurcation; the water will just back up slightly more at that point. Precipitation calculation protocols have never been reviewed before. It's unknown when or if they'll be reviewed again. Less precipitation due to climate change are driving these changes. It's unknown if the change in protocols will impact Milton.

P Free Lawn Fertilizer Update – Steve and Amy have been working hard to build the P Free Lawn coalition. Steve reported that the ACE Hardware Stores, Rocky Mountain Regional Assoc. will send us a list of their stores and will help hand out materials. We're developing bill inserts to help advertise the coalition's work. Steve reached out to the City of Boulder to synchronize with their efforts. He hopes to meet in person with them. He's been busy collecting logos of coalition partners including SPLASH, Littleton, Greenwood Village and others. When the bill inserts are finished, Amy will send them to all BMW members and ask that Colorado Water Wise members also consider using them. They can also be handed out at the ProGreen Booth in February.

Amy reported that she is working with the BMW website professional to redesign the Home page of the site to devote it mostly to the P Free Lawn Fertilizer effort. Users will be re-directed to the www.lovecolorado.org website where more information on the effort will be displayed. It would be nice if we could make an interactive map of ACE Hardware store locations. Another feature that is being researched is using an existing App or website that calculates lawn area for home owners. Calculating square footage of a lawn can be daunting and lead to incorrect application rates.

Steve reported that he has ordered new iron ons for the t shirts. He is also going to attend a meeting with Denver Water and Metro where he is going to present to them about how they might collaborate on the P Free Lawn Fertilizer effort. Godspeed to you, Steve Lundt! That would be a major paradigm shift for Denver Water and a welcome one. He added that Cynthia Lane is a contact he has with water providers who might help us distribute the bill inserts. He is hoping to expand the effort to Milton and the agricultural community. An algae sign at Milton would be welcome. **Amy and Steve** will report on any new progress at the Board retreat.

Retreat Planning – The 2021 Board Retreat has been set for **Tuesday, November 30th**. The Board decided to hold this retreat in person at Metro Water Recovery. After a long discussion, it was determined that a retreat committee would work out the details of the retreat agenda. The

Committee will be **Dan, Erin, and Curt**. **Amy** will assist them by sending a draft agenda for them to start with. Some of the topics for the retreat include:

- A review of corporate documents and tax return.
- A catered lunch
- A Board photo
- A comprehensive discussion on
 - A Use Attainability Study
 - Tracking capitol improvements at Wastewater Treatment Plants
 - (Super)Modeling
 - What to do about the in lake part of the model that isn't working
 - Might there be other partners such as MS4s and/or Bear Creek
 - Adding in stormwater data from MS4s
 - Review of Lawn Irrigation Return Flows
 - Tracking streambank restoration projects and their improvements to water quality
 - Maybe using a timeline to guide the discussion

The Committee will massage the topics into a streamlined and engaging agenda for the day.

OCCT Presentation Update – Steve, Dan, Amy, Ron Falco and Nicole Poncelet Johnson made a presentation about OCCT as part of the Watersheds Conference. The presentation was very well received. Amy will keep looking for opportunities to repeat the presentation. The Board agreed that the Watersheds Conference is a good one for us to attend. In the future maybe a Board member could attend. We should have a booth to take to the next conference even if our applications to present are not accepted. **Amy** will keep attending the conference in her scope of work.

Update on CWA Section 208 Planning Agency Discussion and supermodels – The Board decided to take this off the agenda as a standing item since nothing is happening to create a regional plan. Sigh.

Technical Committee Meeting – Erin reported that the last Technical Committee meeting focused on modeling. She shared the water quality tool she created and Bear Creek Watershed Association reported on their issues. **Erin** will follow up with **Curt and Kelly** about ways to improve and expand the tool. Bear Creek expressed interest in pursuing a regional approach to investigating water quality issues. They need to reduce internal Phosphorus loading by 90% as part of a new revision to their TMDL. CDPHE has expressed their desire to make Bear Creek lake mesotrophic. Additional water storage behind the dam has also been proposed.

Amy and Steve are meeting with Jon Novick and USGS folks about a super gage they are trying to get funded. They will ask about the best way to stay engaged with stream improvements being implemented by the Army Corps of Engineers.

Steve reported that progress is being made in moving stormwater sampling station. They are pouring the pad for the station and trenching to river. It might be ready by May for the storm sampling season. The carp harvest is done with a total of 500 carp harvest after tripping the net 3 times. Close to 9,000 carp have been removed over the past few years. He's considering having BMW sponsor a bow fishing tournament next year instead of using the carp net. BMW could

offer a \$1,000 prize to the fisher who removed the most carp which might be cheaper than using the carp net. The Board expressed a lot of support for the idea and combining it with education and information opportunities. **Steve** will work with **Michelle** to explore the fishing tournament concept.

MS4 Permit Renewal – Brad reported that all the MS4 permit updates have been issued. The Colorado Stormwater Council (CSC) is still pursuing legal strategies for non-standard permit updates. There have been conversations on monitoring requirements in permits. Steve has been attending some of those meetings, discussing the BMW TMDL and has sparked more conversations. Brad is advocating for people working together with BMW. CDPHE seems open to a datashed model but is pushing hard to have the MS4s begin monitoring water quality. The CSC is arguing that they already have boatloads of data (pun intended) and recognize they need to present it in a more compelling way.

Brad will continue to try to quantify the water quality impacts from street sweeping, leaf collections, stream restorations and re-development BMPs. Denver is interested in participating in a modeling effort that would help track stormwater infrastructure and it’s impacts to water quality. A basin wide effort to track flows may be especially useful. Non standard MS4s are being required to track the flows from their area all the way to a receiving stream even if it crosses many boundaries. A model that could help them do that would be very welcome. That information could be helpful for the BMW model as well.

I&E Committee Update -. Michelle reported on activities at the park where the poop emoji balloon has been making the rounds. There will be a trick or treat on the nature trail with a stop that features algae. **Steve** may be the algae monster for the event but others are encouraged to volunteer.

The I&E Committee will meet on November second. **Amy** was given a Thumbs Up to post the BMW intern job description. **Dan and Steve** will be volunteering with the Water Challenge design teams and will keep the Board updated on their projects.

Updates/Action Items

- Chair’s Report – The Chair had nothing to report
- Treasurer’s Report -As of July 31st, the balance is \$304,906.63.

- All expenses since the last meeting are within budget and will be recorded as part of the minutes.

Checks for Signature in October		
2189 - GPP, Insurance	\$ 1,750.00	Annual Insurance premium
2190 - A-1 Organics	\$ 36.20	Carp Composting
2191 - Applewood Bookkeeping	\$ 60.00	Invoice 693
2192 - Amy Conklin, Sept. Coord.	\$ 4,781.50	Sept. Coord.

- Coordinator Updates (Amy C.)
 - Approval of Meeting minutes from the August 24th meeting – Thumbs Up
 - The Board Officers have signed the MOU and it has been sent to Capitol Representatives.
 - Website assistance – The Board has contracted with Kevin Bauman to help Amy update the website and keep it functional. Thank you.
 - MSU sent us a lovely letter thanking us for having interns.

- Note list of events below

Next Meetings

- I/E Committee Meeting – **November 2nd, 2021 10 am to 11:30, maybe at Barr Lake State Park**
- Board Retreat – **November 30th, 2021 TBD**
- Technical Committee meeting – **January 27th, 2022 TBD**
- Stakeholder Meeting – **February 22nd, 2022, Barr Lake State Park**

BMW Board 2021 Schedule

- January 26, 2021 – Virtual – Board Retreat part 3
 - ~~Steve~~ Update on Legislative issue, modeling update
 - ~~Amy~~ Grant Update – TNC, 319, Urban Waters
 - ~~Erin/Amy~~ Implementation Plan summary for Feb. Stakeholder meeting
 - ~~Chris~~ Banking update
 - ~~Erin/Dan~~ update on hiring consultant to track permit activity
 - ~~All~~ review of Phase II MS4 permit renewal
- February 23, 2021 – Stakeholder meeting – Virtual or Barr Lake Nature Center – Invite WQCD and other watersheds to update them on IP
 - ~~Implementation Plan Update~~ – ~~Erin~~ will present to Stakeholders with the one page summary
 - ~~P Free Fertilizer coalition/legislative effort update~~ – ~~Steve~~ will present a one page handout on the issue and ask for Stakeholder support.
 - ~~Bike Tour update~~ – ~~Amy~~ will update the Stakeholders on the status of the 2021 Bike Tour and talk about apps we may work on to enhance the tour.
 - ~~Statewide Water Education Plan presentation~~ – ~~Scott Williamson, WECO~~, will present the plan.
 - Boat Capacity survey – ~~Jennie~~ will give an update
 - ~~Clean River Design Challenge~~ – ~~Devon Buckles and Lauren Berent~~ will present the status of the program
 - ~~Grant update~~ – ~~Amy~~ will report on the status of the grants BMW applied for
- March 23, 2021 – Virtual
 - ~~IP Committee~~ priority efforts list, UAA, MS4 and NPS, Cost benefit analysis, data tool, Alkalinity analysis, DO compliance, NPS data collection
 - ~~Draft comments on Phase II MS4 permit renewal~~
 - ~~Steve~~ Legislative update, I & E Plan
 - ~~Amy~~ Grant update, Time Looper App update, bike tour plan
 - Boat Capacity survey – ~~Jennie~~ will give an update
 - ~~All~~ Develop a plan to reach out to all the stakeholders we missed about the IP update, our new list of priorities, and whatever other efforts are being implemented including coalition building
- April 27, 2020 – Virtual
 - ~~Steve~~ Stormwater monitoring gage update, I&E update, Legislative effort update, Technical Committee update
 - ~~IP Committee~~ Progress on priorities
 - ~~Amy~~ Grants update, Bike tour update (Time Looper App?)
 - ~~All~~ Coalition building. Phase II MS4 permit comments
- May 25, 2021 – Virtual or maybe outside at Barr Lake
 - ~~Chris~~ Budget discussion for 2021-22 with funding plan for prioritized efforts

- ~~IP Committee~~ update on progress — start to identify level of funding required for 2023 hearing
- ~~Amy~~ updates on Bike tour, grants, time Looper app
- ~~June 22, 2021~~ — Virtual — Bike tour and Watershed tour maybe through an App. Prizes for people who take the tours. Good times.
- ~~July 27, 2021~~ — Meet virtually and in person at Barr Lake
 - ~~Steve~~ water quality update, stormwater monitoring gage update, legislative and modeling update
 - ~~IP Committee~~ Update on progress, 2023 hearing scope
 - ~~Chris~~ Budget presentation and approval
 - ~~Amy~~ Bike Tour and Watershed tour report, grant updates
 - ~~All~~ discussion of coalition building successes and next steps
- ~~August 24, 2021~~ — Meet virtually and in person at Barr Lake
 - ~~Amy~~ Grant updates, Bike tour and watershed tour updates, app updates, Preparation for Annual meeting and BBQ
 - ~~Michelle~~ Park update
 - ~~IP Committee~~ priority effort update
 - ~~All~~ Coalition building
- ~~September 28, 2021~~ — meet at Barr Lake, try to engage more stakeholders
 - ~~Dan~~ BMW year in review — what we got done, how we’re progressing, plans for the future
 - ~~Steve~~ water quality presentation, modeling updates, stormwater monitoring gage moving updates,
 - ~~Amy~~ update on grants, bike and watershed tours, app
 - ~~Erik Wardle~~ Progress on agricultural BMPs (?) or Paul Winkle on the fishery and As impacts, other?
 - ~~James~~ election of At Large and policy review
 - ~~Michelle~~ report on park
- ~~October 26, 2021~~ — Virtual or in person at a location TBD
 - ~~Dan or someone~~ Election of Board Officers
 - Other topics we didn’t get to
- November 30, 2021 – Board Retreat
Standing Agenda items:
- Legislative/coalition building effort
- IP priority project updates
- Stormwater monitoring gage updates
- Permit tracking consultant efforts
- Grant updates – if appropriate
- 2022 Hearing preparation
- Committee Reports – I&E, Technical
- Chair, Treasurer and Coordinator Reports
- BURRITOS!

BMW I/E Events for 2021

Date	Event	Activity	Name and contact
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10/30/21	Halloween Trail	Barr Lake State Park	Michelle
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