

CHITTENDEN COUNTY REGIONAL PLANNING COMMISSION
 CLEAN WATER ADVISORY COMMITTEE – **DRAFT** MINUTES

DATE: **Tuesday, May 4, 2021**
 SCHEDULED TIME: 11 a.m. to 12:15 p.m.
 PLACE: ONLINE
 DOCUMENTS: Minutes, documents, and presentations discussed accessible at:
<http://www.ccrpcvt.org/meetings/clean-water-advisory-committee/>

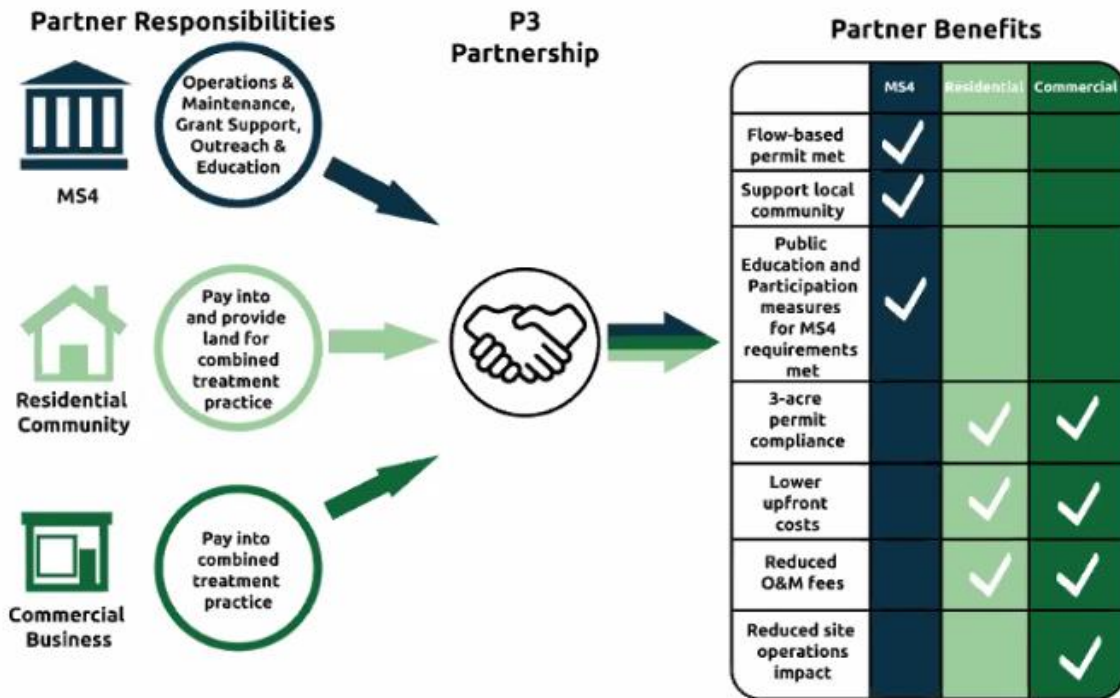
Committee Members in Attendance		
Bolton: Joss Besse	Hinesburg: Merrily Lovell, arr. 11:45	St. George:
Buels Gore:	Huntington: Darlene Palola	Underhill:
Burlington: James Sherrard	Jericho: Adam Magee	Westford:
Charlotte:	Milton: Kirsten Jensen	Williston: Christine Dougherty
Colchester: Karen Adams	Richmond: Ravi Venkataraman	Winooski: Ryan Lambert
Essex: Annie Costandi, Co-Chair	Shelburne: Chris Robinson	VAOT: Jennifer Callahan
Essex Junction: Chelsea Mandigo	South Burlington: David Wheeler	VANR:
Burlington Airport: Catie Calabrese (EIV)	University of VT: Lani Ravin	CCRPC Board: Don Meals, co-chair
Friends of the Winooski River:	Lewis Creek Assoc: Andrea Morgante	Winooski NRCD:
Other Attendees: DEC: Karen Bates VTTrans: Tanya Miller; Emily Parkany UVM: Beverley Wemple Other: Andres Torrizo, WCA; Emily Porter-Goff, BLUE (R) Salix Solutions; Amy Macrelis, Stone Environmental		
CCRPC Staff: Dan Albrecht, Chris Dubin, Sai Sarepalli, Regina Mahony, Charlie Baker		

1. **Call to Order.** With the consent of the co-chairs, it was agreed to have Dan Albrecht run the meeting since it was all online. The meeting was called to order by Dan Albrecht at 11:03 a.m.
2. **Changes to the Agenda and public comments on items not on the agenda** No changes.
3. **Review and action on draft minutes of March 3, 2021** After a brief recap by Dan Albrecht, *Karen Adams made a motion, seconded by Chelsea Mandigo to approve the minutes as drafted with a correction to fix Line 40, pg. 2 change “od” to “of”. MOTION PASSED with no abstentions.*
4. **Recruitment of one CWAC member to review Water Quality firms responding to CCRPC RFQ**
Annie Costandi volunteered to help CCRPC review the proposals for the pre-qualified consultants.
5. **Public-Private Partnerships to meet DEC Permit 3-9050 (aka 3-acre): Andres Torizzo, WCA**
Using an ArcGis story map at: <https://arcg.is/1KjK9P0>, Andres Torizzo described that he has been working on a grant to pilot a couple of projects to meet and exceed the new 3-acre permit – particularly as public-private partnerships. Andres explained how they evaluated and choose the sites: mix of urban and rural communities; red flag screening (wetlands, Act 250 permit, etc). After site ranking, and landowner outreach they landed on 10 sites. Andres provided the benefits associated with three different sites.

Pomerleau (Price Chopper Plaza) and Champlain Housing Trust sites next to each other in Burlington on Shelburne Road and South Meadow Drive, respectively.

Forming a Public-Private Partnership (P3)

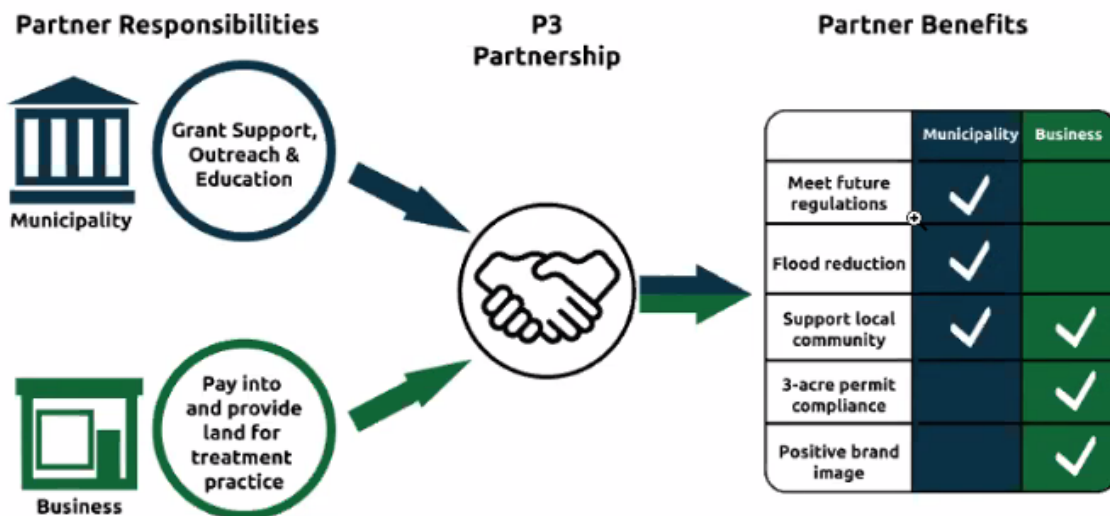
Scenario 1: Multiple Private Landowners and MS4



1
2
3 Richmond and 1 private landowner – former Saputo cheese plant site. The Town owns the road so they are a co-applicant.

Forming a Public-Private Partnership (P3)

Scenario 2: Single Landowner and Municipality



4
5

- 1
- 2 Barre example of municipality and residential homeowners association
- 3



4 Type here to search



5
6
7 Project Takeaways:

- 8 • Public-private partnerships can help private landowners meet permit requirements while helping municipalities meet additional water quality, permitting, or other community goals.
- 9 • While this project is focused on compliance with the Vermont 3-acre permit, these types of partnerships can be leveraged to meet other permitting and water quality goals.
- 10 • Frequently, managing stormwater runoff from multiple sources can be more efficient than creating multiple systems that would each require design, construction, and ongoing maintenance.
- 11 • Combined systems can also be a way to manage areas above and beyond permit requirements to further protect and improve water quality.

12 Discussion:

13 There was a clarifying question regarding the municipal benefit associated with the Barre homeownership
 14 example. Barre took it to the next level to take the burden off of the homeowners association. How is the Town
 15 funding the maintenance? It is an additional burden for the Town and if it isn't a MS4 town they aren't
 16 required to take it on. In this example Barre owns the road so they are a co-applicant. Prior to the 3-acre rule it
 17 was relatively easy for a Town to just keep up the permit: but now the maintenance is significant. Barre will
 18 have to figure out if it makes sense to charge the homeowners a fee or just carry it themselves.

19
20
21
22
23
24
25
26 **6. Quantifying Nutrient Pollution Reductions**
 27 **Achieved by Erosion Remediation Projects on Vermont's Roads: Dr. Beverly Wemple, UVM**

28 This study has been done to quantify rates of sediment and phosphorus production. 8 out of 13 sites in
 29 Chittenden County. Sites were paired, so that a BMP would be applied to one location and compare the results.
 30
 31

- 1 Some observations:
- 2 - Quite a bit variation in phosphorus concentration over the 13 sites. But overall the average is a P
 - 3 concentration of 600 mg/kg soil.
 - 4 - There is a relationship between road length, road area and contributing area and gully volume.
 - 5 - They have not been measuring particulate P, only soluble P.

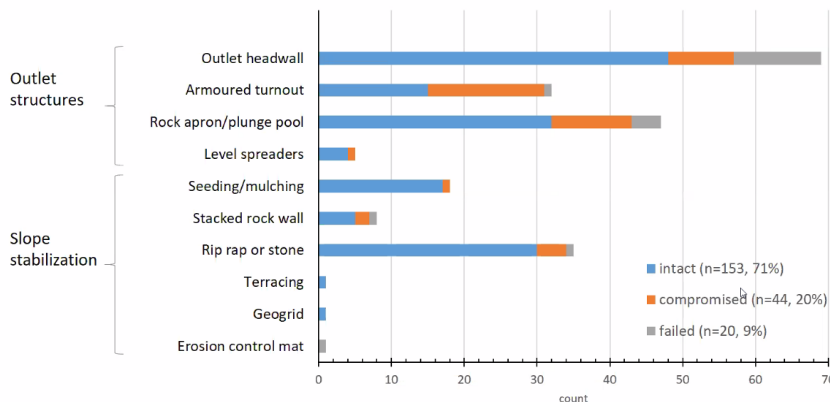
6

7 Also wanted to build on change over time data from airplane LIDAR and looked at a much larger data set.

8 Ultimately, they found that that are very high success rates when investments are made in BMPs.

9

Retrospective assessment – BMP effectiveness



additional 296 Ditch practices assessed: 70% intact, 27% compromised, <4% failed

10

11

12 There will be another year of research and a final report will be provided to all when done.

13

14 **7. Update: CWSP Rule, Guidance and Clean Water Service Providers**

15 Dan Albrecht provided an update. The rule is not yet finalized. The start-up grants have been delayed for

16 now; hoping they will start up in a month or so. Will have about a year to get CWSP and the Basin 5

17 Water Quality Council up and running. Project funding wouldn't flow until July 2022.

18

19 **8. Updates**

20 No updates

21

22 **9. Items for Tuesday, June 1st meeting agenda**

23 CWSP Update, potential legislative update, other items t.b.d.

24 **10. Adjournment.** The meeting adjourned at 12:12 p.m.

25

26 *Respectfully submitted, Regina Mahony & Dan Albrecht*

27

28