

# Winooski River Basin Water Quality Council Meeting

November 17, 2022

# Agenda

**1:00 Call to order & Roll call**

1:05 Updates to agenda

1:10 Public Comment

1:15 Review & approve minutes from October 20, 2022 meeting (action item)

1:25 CWSP Updates: Formula Grant, Policy Development & Proposed Timeline (information)

1:40 Watershed Projects Database: Winooski Basin Projects (information & discussion)

2:00 Project Eligibility, Screening, Prioritization & Selection (information & discussion)

2:55 Agenda items for next meeting (December 15, 2022)

3:00 Adjourn

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# CWSP Updates: Formula Grant

- ◇ Formula Grant was signed by CVRPC (3 October 2022)
  - ◇ FY23 funding: \$1,040,947
- ◇ Performance Measures
  - ◇ Assessment & Planning for Project Identification & Prioritization
    - ◇ Acres assessed / covered by plan(s)
    - ◇ Linear miles assessed / covered by plan(s)
    - ◇ Number of projects identified
  - ◇ Project Development
    - ◇ Number of projects developed for design and / or implementation
  - ◇ Project Design
    - ◇ Number of preliminary (30%) designs completed
    - ◇ Number of final (100%) designs completed
    - ◇ Estimated kg of Phosphorous reduction based on design projects completed
  - ◇ Implementation
    - ◇ Estimated kg of Phosphorous reduction based on implemented projects
- ◇ FY23 Phosphorous reduction target: 9.94 kg

# CWSP Updates: Policy Development

- ◆ Bylaws & Public Engagement are complete
- ◆ Procurement Policy
  - ◆ Procurement of goods, Debarment, Conflict of Interest: complete
  - ◆ Pre-qualification & Subgrant / Subcontract guidance: in development
    - ◆ RFQ for Project Managers / Implementors (municipalities & organizations)
    - ◆ RFQ for Subcontractor Services
- ◆ Records Retention
  - ◆ Continue to meet with Vermont State Archives & Records to develop records retention schedules
- ◆ Personnel Policy
  - ◆ CVRPC policy has been reviewed
  - ◆ Limited updates required
- ◆ Internal Controls Policy – nothing to report

# CWSP Updates: Timeline

- ◆ Procurement & Personnel Policies will be presented to the CVRPC Board at their December meeting
- ◆ Records Retention & Internal Controls Policies will be presented to the CVRPC Board at their January meeting
- ◆ RFQs
  - ◆ issued in early December with a mid-January submission date
  - ◆ complete submission reviews by early February
- ◆ BWQC
  - ◆ Goal: monthly meetings through January 2023 with less frequent (quarterly?) meetings after that
  - ◆ Objectives: finalize co-benefits scoring, discuss RFQ results, hear from Project Implementors
  - ◆ Project Solicitation: issued in January 2023 (following BWQC meeting)

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# Projects in the Watershed

- ◆ DEC prepared a custom query of the Watershed Projects Database
  - ◆ <https://anrweb.vt.gov/DEC/cleanWaterDashboard/ReportViewer.aspx?Report=CWSPProjects&ViewParms=True>
  - ◆ ~1,050 projects identified in Winooski Basin
  - ◆ Filter:
    - ◆ Project Partners: ~100 Project Partner combinations
    - ◆ Project Type: ~25 Project Types
- ◆ Clean Water Project Explorer
  - ◆ <https://anrweb.vt.gov/DEC/cleanWaterDashboard/ProjectExplorer.aspx>
  - ◆ ~150 projects ongoing
  - ◆ ~1,050 projects identified in Winooski Basin
    - ◆ Can sort by Project Type, Sector, etc.

# Projects in the Watershed

- ◆ BMP Report

- ◆ Limited to projects with a BMP system and an operating period

- ◆ ~80 projects

- ◆ Project details augmented with additional information from Watershed Projects Database

WPD ID	Project Name	BMP System ID	BMP System Name	Notes	P Load	Phosphorus Reduction (kg/yr)	End Date	Land Use [acres]	BMP [storage vol (cu ft)]	Grant Number(s)	Lat / Long	Description	State Amount	Match	Parent ID	Storage Volume
4	1 Taylor Street Redevelopment - Green Stormwater Infrastructure and Green Space	2268	Taylor street raingarden		0.9826961	0.32155790	5/5/2030	Developed Impervious (WA) [0.88]	Bioretention [1,050.00]	2016-ERP-2-11		This project, located at 1 Taylor Street in Montpelier, is currently a 120-space gravel parking lot adjacent to the Winooski River. Runoff from the gravel parking lot flows directly into the Winooski River, untreated. The project redevelopment will assist with capturing and treating stormwater runoff and it includes construction of a bike path, a transit building with upper floor housing, creation of green space, rain gardens to collect and treat storm-water runoff, public gathering spaces and a new, 42-space parking lot.	\$ 230,000	\$ -		76 1,050.00
5	Taylor Street Redevelopment - Green Stormwater Infrastructure	2270	4 drywells Taylor St		0.13472	0.13472000	1/28/2031	Developed Impervious (WA) [0.10], Developed Pervious (WA) [0.10]	Infiltration Trench [1,000.00]	2016-ERP-2-12	44.25988, -72.57962	This project, located along Taylor Street in Montpelier, implements the recommendations that were presented in EPA's Greening America's Capital's technical assistance grant. The project will install 3,840 sq. feet of rain gardens for bio-retention, 3,075 sq. feet of permeable sidewalks for increasing storm-water infiltration, and 10 Silva cells with shade trees for sustainable street tree infrastructure. This project serves to demonstrate responsible and sustainable green infrastructure and development practices, as well as help to increase infiltration and drainage by replacing the existing clay soils with more pervious soils.	\$ 250,000	\$370,892		76 1,000.00
											44.26019, -72.57979					

# “Orphaned” Projects in the Watershed

- ◆ 604b funding used to review Stormwater Master Plans & Stormwater Infrastructure Mapping Projects
  - ◆ <https://anrweb.vt.gov/DEC/DEC/SWMapping.aspx>
  - ◆ Focus on Town Reports & Maps

## Stormwater Infrastructure Mapping

Name	Type	Date Modified	Size
..	File folder	7/8/2022 8:31:04 AM	
<a href="#">Addison</a>	File folder	9/6/2022 3:38:04 PM	
<a href="#">Albany</a>	File folder	8/3/2022 8:47:08 AM	
<a href="#">Alburgh</a>	File folder	8/3/2022 8:47:44 AM	
<a href="#">Arlington</a>	File folder	8/3/2022 8:48:13 AM	
<a href="#">Bakersfield</a>	File folder	8/3/2022 8:51:37 AM	
<a href="#">Barnard</a>	File folder	8/3/2022 9:18:46 AM	
<a href="#">Barnet</a>	File folder	9/6/2022 3:49:17 PM	
<a href="#">Barre City</a>	File folder	12/17/2021 2:21:06 PM	

## Stormwater Infrastructure Mapping

Name	Type	Date Modified	Size
..	File folder	7/29/2022 11:02:01 AM	
<a href="#">Barre City SWMP - 30 % Designs</a>	File folder	12/9/2021 4:15:08 PM	
<a href="#">Barre City Barre Town and Plainfield Final SWMP.pdf</a>	PDF file	2/6/2018 8:55:01 AM	7,767 KB
<a href="#">Barre City locator map.pdf</a>	PDF file	3/13/2017 2:16:10 PM	4,048 KB
<a href="#">Barre City Stormwater Infrastructure Map (1).pdf</a>	PDF file	3/13/2017 12:14:13 PM	18,406 KB
<a href="#">Barre City Stormwater Infrastructure Map (2).pdf</a>	PDF file	3/13/2017 12:16:20 PM	16,381 KB
<a href="#">Barre City Stormwater Infrastructure Map (3).pdf</a>	PDF file	3/13/2017 12:16:58 PM	14,821 KB
<a href="#">Barre City Stormwater Infrastructure Map (4).pdf</a>	PDF file	3/13/2017 12:17:55 PM	14,804 KB
<a href="#">Barre City Stormwater Infrastructure Map (5).pdf</a>	PDF file	3/13/2017 12:18:46 PM	17,349 KB
<a href="#">Barre City Stormwater Infrastructure Map (6).pdf</a>	PDF file	3/13/2017 12:19:49 PM	15,775 KB
<a href="#">Barre City Stormwater Infrastructure Map (7).pdf</a>	PDF file	3/13/2017 12:20:13 PM	16,986 KB
<a href="#">Barre City Stormwater Infrastructure Map (8).pdf</a>	PDF file	3/13/2017 12:21:30 PM	15,751 KB
<a href="#">Barre City Stormwater Report.pdf</a>	PDF file	11/26/2019 10:01:33 AM	13,944 KB
<a href="#">Gunner Brook Report.pdf</a>	PDF file	12/17/2021 2:16:38 PM	2,923 KB
<a href="#">Park St Neighborhood SWMP.pdf</a>	PDF file	12/12/2016 10:35:46 AM	37,284 KB
<a href="#">Quarry Hill and Sterling Hill SWMP Final Report.pdf</a>	PDF file	12/5/2017 11:49:01 AM	1,245 KB

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# Co-Benefits Recap

Co-benefit	Member 1	Member 2	Member 3	Member 4	Mean
Environmental Justice	37	40	20	15	<b>28</b>
Clean Water & Sanitation	25	20	20	15	<b>20</b>
Ecosystem Services	5	15	30	25	<b>18.75</b>
Recreation & Community	13	5	25	5	<b>12</b>
Education	10	15	5	20	<b>12.5</b>
Economic Growth	10	5	0	20	<b>8.75</b>
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

# Co-Benefits Recap

	Project 1			Project 2		
	CWSP Score (0 – 10)	BWQC Weight (%)	Co-benefit Score	CWSP Score (0 – 10)	BWQC Weight (%)	Co-benefit Score
<b>Environmental Justice</b>	10	28	<b>2.8</b>	10	28	<b>2.8</b>
<b>Clean Water &amp; Sanitation</b>	10	20	<b>2</b>	5	20	<b>1</b>
<b>Ecosystem Services</b>	10	18.75	<b>1.875</b>	4	18.75	<b>0.75</b>
<b>Recreation &amp; Community</b>	10	12	<b>1.2</b>	9	12	<b>1.08</b>
<b>Education</b>	10	12.5	<b>1.25</b>	7	12.5	<b>0.875</b>
<b>Economic Growth</b>	10	8.75	<b>0.875</b>	4	8.75	<b>0.35</b>
		<b>Total Score</b>	<b>10</b>		<b>Total Score</b>	<b>6.855</b>

# Questions

1. Is the list of co-benefits complete? Any we should remove?
  - ◇ Environmental Justice: Prioritizes vulnerable areas and engages community members and stakeholders
  - ◇ Clean Water & Sanitation: Pollutant reduction (other than P)
  - ◇ Ecosystem Services: Benefits people obtain from nature
  - ◇ Recreation & Community: Outdoor spaces benefit the community through access to recreational activities, increased outdoor spaces or increased tree cover canopy
  - ◇ Education: Public outreach to educate community members about P reduction & watershed health + involving community members in project development & implementation
  - ◇ Economic Growth: Cost-efficient & sustainable economic growth through workforce development, sustainable energy practice, green stormwater infrastructure or increased property value
  - ◇ Are the co-benefits well defined?
    - ◇ UVM co-benefits white paper
    - ◇ Ecosystem Services encompass a W I D E range of benefits. Should we focus on a limited subset?
    - ◇ Are there data resources you are aware of to help quantify co-benefits?
  - ◇ Where do we go from here?

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# Agenda Items for Next Meeting

- ◇ Next meeting is Thursday, December 15, 2022
- ◇ CWSP Policy Updates
- ◇ Wrapping up co-benefits conversation
  - ◇ Defined, method of evaluation, example(s) from past projects
- ◇ Project implementor round table
- ◇ Winooski Tactical Basin Planning update