

Franklin County Clean Water Plan *Narrative*

Introduction:

The Franklin County Clean Water Plan (referred to in this document as “Plan”) identifies several priority initiatives to enable reductions in nutrient loads and improve water quality to the standard of countywide goals (reduce nitrogen loading (N) by approximately 1.3 million lbs. and phosphorus loading (P) by approximately 70,000 lbs.) Each initiative identifies steps that will need to be implemented in order to meet the aforementioned goals of reducing N and P in Franklin County. The entity leading the efforts of accomplishing these goals is the Franklin County Conservation District (FCCD). FCCD has established the initiative “Clean Water for Franklin County”, or CWFC for short, to unite all water-related efforts from all parts of the county.

Currently, the county has significant capacity limitations within our agencies and a limited number of existing environmental or conservation organizations that handle water issues on a regular basis. There are a number of partners that can be engaged in this process, with missions focusing on environmental education, stewardship and citizen water monitoring in our waterways. While there are a few of these organizations in the county, their focus tends to be community-based, and there is no countywide organization focused on protecting water resources. CWFC has become that countywide initiative which brings together communities and resources, countywide, to accomplish mutually beneficial projects and meet common goals.

Plan implementation and success are dependent on availability of needed funds, trained staff and resources identified in the Plan, as well as recommended regulatory changes and landowners’ willingness to participate in the CWFC initiative.

Opportunities:

CWFC will not only strive to meet the established goals, but will engage the neighbors of Franklin County in awareness of the value of our water resources. Communications strategies regarding the initiative emphasize that the quality of local streams and waterways, on which all community members rely, improve with implementation of the plan. County residents will experience a greater quality of life with cleaner water, which is an important goal of the county’s comprehensive plan. To reach our county goals, we must increase awareness of the role that all parties play in improving water quality and how the results benefit all members of the county.

CWFC provides the opportunity to reinvigorate the local watershed organizations and help them to coordinate efforts around a common mission. An opportunity exists to grow the initiative and establish a countywide organization to focus on conservation initiatives around water resources.

Over the last few years, CWFC has built trust and relationships with local stakeholders and agencies. These partnerships fueled the Conococheague Creek Priority Projects Plan (CP3) which will be used to guide project prioritization as well as funding applications and decisions. Please [click this link](#) to read more about this plan. This plan is different from many others due to its dynamic and actionable nature. This plan outlines specific project opportunities and has the benefit of existing landowner participation. Any and all project outlined in this plan involved some level of landowner communication and willingness to participate, which is vital for moving forward with funding, design, and implementation. Additionally, since the plan is in StoryMap format, it is editable and can change as more priority projects are discovered, thus assisting these projects in their future funding needs.

Additionally, these new partnerships have led to other initiative momentum. FCCD has begun working with local partners on pilots involving topics like BMP Verification, BMP Effectiveness, Water Quality Monitoring, Increasing Capacity, and other resource restoration needs.

To ensure long-term success and maximum impact, it is vital to learn from the other counties as they also develop successful strategies and best management practices. Emphasis should be placed on physical implementation and seeing real results in the goal reductions by landowner adoption of conservation practices. The opportunity exists to incorporate other strategies or planning practices into the implementation process through other planning efforts such as comprehensive planning, open space and greenway planning, long range transportation planning, and model ordinance development. Stormwater management should be evaluated from a more holistic perspective through guidance from the state.

Challenges:

Several factors have been examined, but still need additional attention to reach our county goals, including, but not limited to:

- technical assistance;
- workforce capacity;
- funding capacity; and
- reliable, continuous data collection.

During the updating of the Plan there was much discussion on:

- how much more has been done;
- what still needs to be done; and
- how to get it done in order to measure success.

Through implementation of the Plan thus far, there has been much discussion emphasis on the “how” as noted above, including, but not limited to:

- increasing capacity of both workforce and funding;
- data collection, management, reporting, and verification; and
- increasing reach of audience, participants, and contributors.

While great strides have been made over the last two years, we have so much more to do.

One of the greatest challenges is uncertainty with regard to baseline conditions - and which practices and facilities are currently in place - but are not included in the data used to formulate our planning goalposts. We have proposed measures to account for some current unreported practices, and lack of data management structure for BMPs from agricultural and urban sectors, but these are costly and will continue to take significant time and coordination to establish.

The target goals of reducing Nitrogen and Phosphorus entering local waterways are to be met by 2025. The time frame is very ambitious. Despite great progress, there is still much more work to be done at multiple agency levels before additional practices can be implemented on the ground at the local level at the needed pace. Legislation may be needed which can be a cumbersome and slow process with an uncertain outcome. Significant funding increases have been made, but are still a limitation of progress, despite identification of the most-cost-effective strategies to make the most significant impacts. Finally, a large enough structure will need to be established at the state level to oversee the implementation of all the plans by the many counties impacted. While these items are in motion, we have much more work to do.

It will take time to hire, train, and most-importantly, retain the necessary staff to carry out the Plan. The goals are to be met by 2025. However, the process to actually meet the goals may take a longer time period and the

initiative itself will be an ongoing process. While capacity has grown, we have seen a great amount of turnover in partnering organizations and agencies, thus slowing down progress. Additionally, BMPs put in place today may not be fully activated/effective for a number of years, and others will age out of the program, needing replacement or re-verification. It is difficult to prescribe formulaic practices for farmers who must respond quickly to changing weather and soil conditions and seasonal fluctuations to meet their optimal agricultural production goals, and for many, keep their living.

Summary:

The following is a summary of the three primary initiatives as outlined in the Franklin County Clean Water Plan. The initiatives include: 1. Programmatic, Policy, and Regulatory Initiatives, 2. Nutrient Reduction Goals & BMP Implementation, and 3. Communication, Education, and Outreach.

- Streamline permitting, funding, and reporting processes;
- Establish regular, consistent, and continuous monitoring for local water quality (and progress);
- Assess existing conditions through data collection for effective & efficient BMP implementation;
- Increase workforce and funding capacity to achieve increased implementation rate;
- Enhance BMP reporting for accurate picture of current conditions and progress of new BMP implementation;
- Develop a communication strategy to reflect parallel goals and benefits of improved water quality;
- Utilize existing resources to engage educational objectives; and
- Develop a focused effort to promote BMPs in different sectors throughout the county.

Please see the attached Plan details to view progress on these items to date.

Conclusion:

Franklin County anticipates working closely with many agencies and partners as we strive to meet the established water quality goals. The CWFC initiative provides an opportunity to bring stakeholders and partners together not only to focus on water quality but also to embrace and incorporate other environmental and planning matters more inclusively. For this initiative to be successful it will take the involvement of the many partners: local, state, and federal government, the agriculture community, private businesses, and non-profit organizations. An extensive outreach and educational campaign is needed to create an awareness and understanding of the importance of issues related to water quality and soil health and the role that we all play in meeting these goals. We need change in the regulatory process, program development at the state and local level, staff hired and trained, and consistent, flexible funding and incentive programs created for the increased rate of BMP installation. By all appropriate parties working together in a cohesive manner, these goals become achievable, so does an improved quality of life for all of us who live, work, and play in Franklin County.

Franklin County CAP BMP Targets

Action #	Sector	BMP	Unit	Target Quantity	Cost/Unit	Total Cost	TN lbs Reduced/Unit	TP lbs Reduced/Unit	TSS lbs Reduced/Unit	Notes
1.1	Developed	Bioswale	Acres Treated	68.09	\$865.95	\$58,962.54	6.99552	0.43174	717.13854	Combination of all PRP's in Franklin County
1.2	Developed	Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	Acres Treated	62.64	\$1,093.35	\$68,487.44	7.99475	0.49019	851.59659	Combination of all PRP's in Franklin County
1.3	Developed	Bioretention/raingardens - C/D soils, underdrain	Acres Treated	363.94	\$1,059.40	\$385,558.04	2.49806	0.25923	493.03298	Combination of all PRP's in Franklin County
1.4	Developed	Stormwater Performance Standard-Runoff Reduction	Acres Treated	35.12	\$1,584.68	\$55,653.96	2.82234	0.18193	356.77538	Combination of all PRP's in Franklin County
1.5	Developed	Stormwater Performance Standard-Stormwater Treatment	Acres Treated	340.08	\$811.19	\$275,869.50	1.65249	0.14234	332.57432	Combination of all PRP's in Franklin County
1.6	Developed	Urban Stream Restoration	Feet	24,502.00	\$145.00	\$3,552,790.00	0.05716	0.03446	100.49342	Combination of all PRP's in Franklin County
1.7	Developed	Forest Buffer	Acres in Buffers	164.11	\$153.28	\$25,154.78	9.5376	0.82537	790.8375	Combination of all PRP's in Franklin County
1.8	Developed	Permeable Pavement w/o Sand, Veg. - C/D soils, underdrain	Acres Treated	0.31	\$14,214.02	\$4,406.35	0.99923	0.11501	493.03298	Combination of all PRP's in Franklin County
1.9	Developed	Street Sweeping	Miles	5.52	\$674.53	\$3,723.41				Combination of all PRP's in Franklin County
1.10.1	Developed	Wetland Restoration (Enhancement)	Acres	65.00	\$269.42	\$17,512.30	3.00336	0.14726	63.75654	Combination of all PRP's in Franklin County
1.10.2	Developed	Wetland Restoration (Rehabilitation)	Acres		\$453.41	\$29,471.65				
1.11	Developed	Tree Planting - Canopy	Acres	160.00	\$107.78	\$17,244.80	1.33413	0.10465	168.02843	Combination of all PRP's in Franklin County
2.1	Agriculture	Tillage Management-Conservation	Acres	29,000.00	-	-	2.78	0.33	545.37	
2.2	Agriculture	Tillage Management-High Residue	Acres	57,000.00	-	-	-	-	-	
2.3	Agriculture	Tillage Management - Low Residue	Acres	10,000.00	-	-	-	-	-	
2.4	Agriculture	Cover Crop Traditional Wheat Late Other	Acres	32,000.00	\$33.33	\$1,066,560.00	2.84	0.00	0.00	
2.5	Agriculture	Cover Crop Traditional with Fall Nutrients Wheat Late Other	Acres	16,000.00	\$66.67	\$1,066,720.00	2.01	0.00	0.00	
2.6	Agriculture	Cover Crop Commodity Normal	Acres	0.00	-	-	2.12	0.00	0.00	
2.7	Agriculture	Precision Intensive Rotational/Prescribed Grazing	Acres	6,500.00	\$16.00	\$104,000.00	1.57	0.44	0.25	
2.8	Agriculture	Soil Conservation and Water Quality Plans	Acres	184,000.00	\$1.94	\$356,960.00	1.20	0.06	156.16	
2.9	Agriculture	Nutrient Management Core N	Acres	161,400.00	\$1,662.00	\$268,246,800.00	1.99	0.01	0.00	
2.10	Agriculture	Nutrient Management Core P	Acres	161,400.00	\$24.91	\$4,020,474.00	0.00	0.05	0.00	
2.11	Agriculture	Nutrient Management N Timing	Acres	17,000.00	\$33.74	\$573,580.00	1.16	0.00	0.00	
2.12	Agriculture	Nutrient Management N Rate	Acres	17,000.00	\$38.98	\$662,660.00	1.34	0.00	0.00	
2.13	Agriculture	Nutrient Management P Timing	Acres	17,000.00	\$42.03	\$714,510.00	0.00	0.03	0.00	
2.14	Agriculture	Nutrient Management P Rate	Acres	1,700.00	\$47.27	\$80,359.00	0.00	0.02	0.00	
2.15	Animals	Manure Transport	Dry Tons	10,000.00	\$27.53	\$275,300.00	0.61	0.56	0.00	
2.16	Agriculture	Non Urban Stream Restoration	Feet	12,000.00	\$5.10	\$61,200.00	0.06	0.03	100.49	
2.17	Agriculture	Forest Buffer-Streamside with Exclusion Fencing	Acres in Buffers	50.00	\$709.73	\$35,486.50	241.51	45.07	32,585.62	
2.18	Agriculture	Forest Buffer-Narrow with Exclusion Fencing	Acres in Buffers	50.00	-	-	66.26	12.66	9,286.08	
2.19	Agriculture	Grass Buffer-Streamside with Exclusion Fencing	Acres in Buffers	50.00	-	-	231.33	44.74	32,612.32	
2.20	Agriculture	Grass Buffer-Narrow with Exclusion Fencing	Acres in Buffers	50.00	-	-	63.89	12.34	9,312.68	
2.21	Agriculture	Forest Buffer	Acres in Buffers	100.00	-	-	51.58	0.59	1,485.83	
2.22	Agriculture	Forest Buffer - Narrow	Acres in Buffers	50.00	\$157.35	\$7,867.50	19.76	0.23	796.98	
2.23	Agriculture	Grass Buffer	Acres in Buffers	100.00	-	-	39.99	0.25	1,524.92	
2.24	Agriculture	Grass Buffer - Narrow	Acres in Buffers	50.00	\$56.95	\$2,847.50	17.69	-0.11	835.69	
2.25	Agriculture	Wetland Restoration - Floodplain	Acres	50.00	\$96.58	\$4,829.00	40.30	0.79	1,344.07	
2.26	Agriculture	Off Stream Watering Without Fencing	Acres	8,500.00	\$29.53	\$251,005.00	0.78	0.15	0.10	
2.27	Agriculture	Land Retirement to Ag Open Space	Acres	500.00	\$168.87	\$84,435.00	16.28	-0.11	747.43	
2.28	Animals	Animal Waste Management System	Animal Units	30,000.00	\$121.61	\$3,648,300.00	5.03	0.11	0.00	
2.29	Agriculture	Tree Planting	Acres	40.00	\$115.18	\$4,607.20	18.40	0.23	711.07	
2.30	Agriculture	Barnyard Runoff Control	Acres	134.00	\$56,746.00	\$7,603,964.00	367.40	10.65	1,411.34	
2.32	Animals	Dairy Precision Feeding and/or Forage Management	Animal Units	3,000.00	(\$9.95)	(\$29,850.00)	3.11	0.23	72.06	

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles **Red** - action has not been taken or has encountered a serious barrier **BOLD** – item is completed **Italics** – new progress with 2023 update

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available		Resources Needed		Annual Progress to Date (2022 + 2021) <small>*add new 2023 progress above the existing 2022 progress. Date each entry</small>	Reason for Change to Action Item (2023-2024 milestone period)
							Technical	Financial	Technical	Financial		

Priority Initiative 1: Programmatic, Policy and Regulatory Initiatives

1.1*	<p>Organizational Structure –</p> <p>Integrate Chesapeake Bay planning efforts with county planning through dedicated personnel available to support local goal implementation and address capacity issues on a county-by-county basis.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Organizational chart for all participating entities with roles and responsibilities developed. Share with county partners Hire state level staff Necessary information identified for exchange reporting criteria Schedule for reports established in data verification process manual 	<p>Potential Partners</p> <ul style="list-style-type: none"> EPA DEP Susquehanna RBC Potomac RBC Counties & Municipalities 	Chesapeake Bay region	2022	<ul style="list-style-type: none"> Integrated staff should be at DEP level but with frequent interaction in collaboration with county staff. 2-3 staff at DEP for administration of program, and at least 1 dedicated staff person at Franklin County Program needs to recognize and provide support for plan implementation for counties’ unique needs Additional staff needed to address capacity issues such as data reporting/verification, plan writing at CDs, program administration specialists, etc. 	TBD – Currently None	TBD – Currently None	<p>Staff will need to be hired to lead and coordinate the WIP effort.</p> <p>Source: State/County part to be determined</p>	<p>State and local funds sufficient for staffing.</p> <p>Suggested source: State/Local</p>	<p>August 2023 Update: Implementation efforts have increased workload at the county level. With more projects to complete on a quicker timeline, additional assistance is needed to facilitate these efforts and the capacity of this new work.</p> <p>Franklin County would like to acknowledge the efforts of the State coordinator they have been assigned, Shane Gutsie, and those who have worked with Shane to get answers back to Franklin more quickly than has been done in the past. This dedication to Franklin’s success has certainly helped us move forward more quickly and implement new ideas that have proven successful. While there is still more progress to be made as whole system, we do acknowledge the effort that has been made this past 2 years.</p> <p>August 2022 Update: While full time additional staff for BMP verification has not been provided, a pilot was deployed among all counties for BMP verification. Our county chose to use the pilot program funding for increasing capacity for data reporting/existing BMP verification/reverification in the form of 2 part-time, retired ag professionals, contracted through Capital RC&D. We do not consider item 1.1 to be fully completed, but do recognize & report progress on this front in the form of the additional funding with option to use for BMP verification capacity building.</p>	No change. Update only.
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1.2	<p>Program Data Management & Project Planning –</p> <p>Create a central county location for data collection and reporting for all sectors. Database would include data and project planning tools for related items such as:</p> <ul style="list-style-type: none"> • Existing/planned BMPs • County conservation & ag Plans • Project permits • Grant applications • 4R practices • Stormwater management practices and facilities in local municipalities • All additional items related to the above 	<p>Potential Targets</p> <ul style="list-style-type: none"> • Program Creation • Stakeholder meeting results (such as pledge of program use) • # of training attendees • # of organizations with accounts • # of county users • Acres recorded • BMP goal progress • End Goal: Functioning smoothly as “One-stop Shop” for project planning & management (Comprehensive, up-to-date database) 	<p>Potential Partners</p> <p>For Creation:</p> <ul style="list-style-type: none"> • CWFC • County • Chesapeake Commons • GIS Professionals • etc. <p>For Data Input:</p> <ul style="list-style-type: none"> • CWFC • FCCD • Local municipalities • Penn State Extension • Watershed Stewards • Capital RC&D • South Mountain Partnership (SMP) • Private partners • Other organizations involved in Clean Water projects • etc. <p>For Maintenance:</p> <ul style="list-style-type: none"> • Data creators • Program creator • IT/GIS professional • CWFC data team 	Countywide	2023-2024	<ul style="list-style-type: none"> • Workforce capacity • Technical assistance capacity • Reluctance of needed partners to adopt new program • Information & data sharing discretion lies with 22 individual municipalities, private partners, & agencies (No countywide guidance or regulation on mandatory adoption or data sharing) • Right-To-Know • Data consistency • Practices may vary between local municipalities – need program to be highly customizable 	<p>Practice Keeper</p> <p>FieldDoc</p> <p>COG & events to speak to all municipalities in one place</p> <p>Founder of FieldDoc is local for technical assistance needs</p>	<p>FieldDoc (Free to all, no license needed)</p> <p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Personnel dedicated to data management and verification</p> <p>Technical assistance for organizations with user accounts</p> <p>Training for organizations who wish to report projects</p> <p>Data share agreements</p>	<p>Funds for technical resources needed</p> <p>Potential funds for initial incentives to obtain new users</p>	<p>August 2023 Update: No change. Capacity continues to prevent creation of a central county database for reporting.</p> <p>August 2022 Update: This item has been marked red as it has been <u>on hold</u>. While progress has been made on 1.1 in the form of increasing capacity for BMP Verification, Franklin County still feels a need for more capacity related to database management. It would be beneficial to our county to have at least one full time position dedicated to management of ALL project data in one central database for all county partners. The concept exists and is developed, but capacity to implement prevents further progress.</p>	No change. Update only.
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1.3.a	<p>Capacity Building – Workforce (BMP Data Collection & Verification)</p> <ul style="list-style-type: none"> Establish program with staff dedicated to full time BMP data collection and verification. Use technology such as GIS analysis, aerial imagery, and remote sensing to determine unreported BMPs. Implement a survey process for capturing current agricultural best management practices that are unreported as part of the data collection method. Engage a team of BMP experts from applicable sectors to verify BMPs through site visits coinciding with on-site BMP survey. 	<p>Potential Targets</p> <ul style="list-style-type: none"> Pilot program of Tier 1/2 CAP Pilot Counties with partnering organization who will house & administer BMP Data Collection program and associated staff/equipment Expand survey to cover other CAP counties in partner region Deliverables needed from Technical Assistance partners: <ol style="list-style-type: none"> Additional potential partners & stakeholders Framework & organizational structure Roles & responsibilities Draft agreements and contracts Draft job announcement templates 	<p>Potential Partners</p> <p>For Program & Survey Creation:</p> <ul style="list-style-type: none"> DEP UMD EFC Capital RC&D Penn State Extension <p>For Spatial Analysis & Reporting:</p> <ul style="list-style-type: none"> Contracted consultants Universities CLUS <p>For On-site Collection & Verification:</p> <ul style="list-style-type: none"> Retired BMP professionals (both AG/SW) 4R Alliance The Nature Conservancy Penn State Extension Farm Bureau Contracted consultants FFA 4H <p>For Education & Outreach</p> <ul style="list-style-type: none"> SMP Partners listed above 	<ul style="list-style-type: none"> Regional program Begin with Tier 1/2 Pilot Counties Expand to full Capital RC&D Region 	<ul style="list-style-type: none"> Establish pilot program & structure – 2022 Begin spatial analysis – 2022 Begin on-site surveying & verification 2022-2023 Reporting – Continuous (Coinciding with survey & verification timeline) 	<ul style="list-style-type: none"> Participation Resources & funding Appropriate staff Seasonality for BMPs involving vegetation IRB standards & acceptance by CAST model Coordination between agencies Right-to-know 	<p>Existing partnerships</p> <p>Existing survey sufficient for BMP verification standards (PSU)</p> <p>Partner with the capacity to administer the program and “house” the staff</p>	<p>TBD – Currently None</p>	<p>Technical assistance (EFC or other partner) for program framework & organizational details</p> <p>Data collection staff access to Practice Keeper and FieldDoc for reporting</p> <p>Up-to-date aerial imagery</p> <p>Technology & software for spatial analysis and reporting</p> <p>Sufficient staffing</p> <p>Data/Info sharing cooperation agreements (Release of records forms for landowners utilizing other agency programs with confidentiality restrictions)</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2023 Update: Franklin County continues to make progress on recording/reverifying existing BMPs. Additional verification work was funded by CCWAP contractual dollars to propel the pilot into a funded program. With these dollars, the county has begun piloting a process to collect and record BMP data for farms not on file in the FCCD office to grow the county database of existing BMPs.</p> <p>FCCD is part of a collaborative Tri-County NFWF SWG, led by Capital RC&D and matched by the Alliance for the Chesapeake Bay. This effort will assist the Tri-County area in combining verification methods piloted by each county into one multi-phase BMP verification methodology. This process will combine remote sensing, field verification, PK reporting, and additionally, implementation of new BMPs on farms participating in the voluntary verification program.</p> <p>August 2022 Update: FCCD was awarded the BMP Verification pilot program funding through the CBO for a total of \$30,000. FCCD decided to pilot a new BMP Verification program with the funding in partnership with Capital RC&D (CRCD). CRCD hired two part-time, retired agriculture professionals/farmers for FCCD to contract for a “Boots on the Ground” verification effort. One of our two contracted BMP Verification Specialists (BVS) has been working with local farmers since January 2022 (the second hire since May 2022) to locate existing, unrecorded BMPs for verification and addition to PK and expired, still-functional BMPs for reverification and addition to PK. To date, the program has led to:</p> <ul style="list-style-type: none"> 32 on-site farm visits 142 BMPs verified of only 59 	<p>No change. Update only.</p>
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												<p>anticipated across the 32 farms</p> <ul style="list-style-type: none">- 12 new future BMP implementation opportunities which have been referred to FCCD staff- Approx. 2,300 new acres of Ag E&S plans added to PK- Approx. 357 BMP instances added to the BMP Module in PK <p>Next steps for this program:</p> <ul style="list-style-type: none">- Finish out pilot program (spend remaining funds of the \$30,000 allotment) and assess results of program from start to finish- Lessons learned/changes to make in the future- Await award announcements from other funding programs to determine future funding available for future of BMP Verification efforts in FCo- Deploy improved, larger scale pilot of BMP Verification program based on lessons learned in first pilot.	
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1.3.b	<p>Capacity Building – Funding Solutions</p> <p>Evaluate options to leverage private sector funding.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Perform (or contract) study to leverage private sector funding. • Deliverables needed from Technical Assistance Partners: <ol style="list-style-type: none"> 1. Additional potential partners & stakeholders 2. Framework & organizational structure 3. Roles & responsibilities 4. Draft agreements and contracts 	<p>Potential Partners</p> <ul style="list-style-type: none"> • UMD EFC • Franklin Co. Community Foundation • Franklin Co. Visitors Bureau • Local Chambers of Commerce • Rotary Clubs • Lions Clubs • Owls Clubs • Kiwanis • Girl & Boy Scouts of America 	<p>Compare County vs. Regional</p>	<ul style="list-style-type: none"> • Perform study – 2022 • Stakeholder meetings regarding study results - 2022 • Implement study recommendation beginning 2023 	<ul style="list-style-type: none"> • Cash flow & fundraising • Participation & contributions • Outreach & awareness of need for funding • Administration & legal 	<p>Existing partnerships</p> <p>Experts to perform study</p>	<p>TBD – Currently None</p>	<p>Experts to perform study</p>	<p>Capital and reliable, consistent cash flow</p>	<p>August 2023 Update: CWFC continued work with UMD EFC through 2023, funded by FCCD’s CCWAP contractual dollars. Once budget was reached, EFC secured a NFWF SWG PTA to continue assistance in the effort toward private funding solutions. The results of this effort include the framework for an organization that would possess the ability to accept private donations for natural resource improvement work and technical assistance. At this stage, the FCCD and CWFC have completed their assistance. Next steps for this organization will be led by local volunteers who will work to carry out the plan devised from the research performed in this effort. In the next update, we hope to report the establishment of the new org.</p> <p>August 2022 Update: Clean Water for Franklin County (CWFC) has been working with various partners over the last year to examine existing models and create new solutions to leverage private funding for more efficient clean water progress. CBO approved contracted service expenditure for FCCD to work with the University of Maryland on this financial research and solutions.</p> <p>CWFC has worked with stakeholders and subcommittees to choose a preferred model/organization structure and create an organization in alignment with those goals which possess the ability to work with corporate and private donations as well as apply to grants only available to non-profit organizations.</p> <p>Currently CWFC is in the process of securing a fiscal sponsor to secure nonprofit status for the new organization and begin private fundraising for clean water progress.</p>	<p>No change. Update only.</p>
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1.3.c	<p>Capacity Building – Funding Solutions</p> <p>Explore mitigation banking in Southcentral PA (Potomac Rivershed).</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Establish connections with needed partners Information needed to inform decisions regarding mitigation banking in Southcentral PA 	<p>Potential Partners</p> <ul style="list-style-type: none"> DCNR DEP NRCS EPA USFWS USACOE PAFBC PA Game Commission Private sector mitigation professionals 	Southcentral Pennsylvania (Potomac Rivershed)	2023	<ul style="list-style-type: none"> Interagency Timeline Is there direct benefit to County for scaling up CAP effort? (i.e. Increased funding opportunities) 	<p>Existing models & examples of other stream mitigation bank systems</p> <p>Existing contact & partnership with consultants experienced in this topic</p> <p>Potential sites in Franklin Co. to implement a mitigation bank site</p>	TBD – Currently None	Technical assistance & consultation from mitigation bank experts	TBD – Flexible & sufficient funding	<p>August 2023 Update: No change to report. Capacity continues to limit progress on this initiative.</p> <p>August 2022 Update: This item has been explored, but minimally discussed. Due to capacity limitations, 1.3.b funding solution has been prioritized, though we still have interest in 1.3.c in the future.</p>	No change. Update only.
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1.4*	<p>Municipal sector –</p> <ul style="list-style-type: none"> Establish a coordinated approach to stormwater management planning on the watershed or county level (Act 167). Create a systematic process and database for inventorying stormwater management practices and facilities in MS4 and non-MS4 municipalities which could be stored in central county database. (Portion of Item coincides with 1.2) 	<p>Potential Targets</p> <ul style="list-style-type: none"> Evaluation of stormwater management rules and regulation at state, county and local level - examine existing inventory and database systems in municipalities operating under MS4 Permits Receive cost estimates for countywide inventory Capture unreported BMPs on the ground for import into central database 	<p>Potential Partners</p> <ul style="list-style-type: none"> Multi-municipal coordinating structure Look at possibility of utilizing COG structure or another forum 	Countywide	Ongoing	<ul style="list-style-type: none"> Stormwater planning best at a watershed (or higher) level Coordination between local governments, disagreement on structure Identifying “owner” of multi-municipal data (lead entity) How will financial responsibility and authority of structure be defined 	<p>COG (not a technical resource per se, but an existing multi-municipal group)</p> <p>Potentially – UMD Environmental Finance Center</p> <p>Other county models of multi-municipal MS4 structures</p>	<p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Technical assistance to develop consistent structure</p> <p>Personnel dedicated to managing and troubleshooting new structure (stormwater coordinator and technical assistance)</p> <p>Written guidance, contracts, and agreements regarding new multimunicipal structure</p>	Funds for technical resources needed, structure development, and staffing	<p>August 2023 Update: This item remains <u>on hold</u>. A portion of this item relates to item 1.2 and will be addressed as an additional item to 1.2. Conversations will resume when a central county database is better established. There are also logistics to be discussed on multi-municipal coordination to plan/manage stormwater at a watershed or county level.</p> <p>August 2022 Update: This item remains <u>on hold</u>. A portion of this item relates to item 1.2 and will be addressed as an additional item to 1.2. Conversations will resume when a central county database is better established. There are also logistics to be discussed on multi-municipal coordination to plan/manage stormwater at a watershed or county level.</p>	No change. Update only.
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<p>1.5</p>	<p>Municipal sector –</p> <p><i>Evaluate feasibility of multimunicipal stormwater entity to implement stormwater management practices on a regional scale.</i></p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Coordinate meeting to assess interest and establish guidelines • Research collaborative models from other counties • Develop guidelines for implementation and ordinances for adoption 	<p>TBD – municipalities and funding structure will first need to be determined</p>	<p>Open to countywide participation</p>	<p>Initial meeting to Discuss – 2022</p>	<ul style="list-style-type: none"> • Coordination between local governments, disagreement on structure • Identifying “owner” of multi-municipal data (lead entity) • Roles and responsibilities of program administration 	<p>COG (not a technical resource per se, but an existing multi-municipal group)</p> <p>Potentially – UMD EFC</p> <p>Other county models of multi-municipal MS4 structures</p>	<p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Technical assistance to develop consistent structure</p> <p>Personnel dedicated to managing new structure (stormwater coordinator)</p> <p>Written guidance, contracts, and agreements regarding new multi-municipal structure</p>	<p>Funds for technical resources needed, structure development, and staffing</p>	<p>August 2023 Update: While we cannot report establishment of a multi-municipal stormwater entity, FCCD did complete the Conococheague Creek Priority Projects Plan (CP3) in partnership with LandStudies, Inc. This HUC10 watershed plan outlines priority projects from which municipalities, partner agencies, and their residents/stakeholder all benefit. In the plan, these projects are described as multi-beneficial. These projects are not only “win-win”, but in fact, were prioritized for benefiting 3 or more stakeholders per project. Some of these projects will accomplish PRP goals for MS4 municipalities, but all will benefit communities at large and reduce significant sediment transported through the Conococheague Creek watershed (which drains to the Potomac River and Bay). This plan has been published, and several of the projects have moved into design, permit, and implementation phases, with one project already completed in August 2023.</p> <p>August 2022 Update: FCCD/CWFC worked with consultants to hold a regional partner stakeholder meeting about watershed-scale project planning in FCo. Many regional and municipal partners attended, and a list of mutually-beneficial projects was created. While we still have not created a multi-municipal stormwater entity, though we still hope to, we are very pleased with the trajectory of this new watershed planning effort and new partners as a result. We anticipate many of these projects will showcase the benefits of this collaborative method in the coming years.</p> <p>Additionally, we have been working with DEP’s TMDL office to develop an ARP for another</p>	<p>No change. Update only.</p>
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											watershed planning approach in Franklin County and plan to compare/contrast the various watershed planning approaches.	
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<p>1.6.a</p>	<p>Data Collection and Prioritization –</p> <p>Assess current state of water quality in local water. Use data to better prioritize watersheds and make larger-scale project decisions.</p> <p>ACTION OPTIONS:</p> <p>1. Install USGS 15-minute nitrate sensing monitors through partnership program at the county level, organized by the state to cover all Chesapeake Bay counties.</p> <p>2. <i>Install USGS 15-minute nitrate-sensing monitors through partnership program at the regional, county, or local level, organized by the applicable regional partner, counties, or municipalities.</i></p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Approved criteria for data collection method & parameters Written contract outlining data acceptance into CAST (given that approved method is applied) # of participants in meetings regarding data collection # of entities or individuals who agree to participate or “pledge” to contribute 	<p>Potential Partners</p> <p>For option 1.</p> <ul style="list-style-type: none"> State DEP Federal EPA or CAST Data Input Team County FCCD USGS <p>For option 2.</p> <ul style="list-style-type: none"> State DEP Federal EPA or CAST Data Input Team County FCCD Municipalities USGS Ches. Bay Groups PSU Extension 	<p>For option 1.</p> <ul style="list-style-type: none"> Statewide effort (installing monitors only where data is lacking) <p>For option 2.</p> <ul style="list-style-type: none"> Regional, County, or Local level 	<ul style="list-style-type: none"> Effort coordinated – 2022 Effort funded & begin collection - 2023 	<p>Funding</p> <ul style="list-style-type: none"> Ensuring that data is accepted by & will be used in future CAST models Education & outreach regarding collection process and effort 	<p>Existing models to aid decision making – proven system in other states (using YSI monitoring technology)</p> <p>Existing, successful USGS partnerships with other county entities</p> <p>USGS technical assistance & equipment maintenance (using partnership program)</p>	<p>Potential local entity funding</p> <p>USGS cost-share contribution</p>	<p>Tier 1 status data</p> <p>Accredited lab to test data</p> <p>Official DEP training to ensure data collection is Tier 1 status</p> <p>Signed & approved DEP/EPA Quality Assurance Plan</p> <p>Monitors</p>	<p>Sufficient funds needed for installation, collection effort & maintenance</p>	<p>August 2023 Update:</p> <p>CAP Planning Team identified a more cost-effective way to utilize USGS real-time monitors for Franklin County progress. 2 stream gauge stations were located just over the Franklin County border in Maryland. One on the Conococheague Creek, the other on the Antietam. These locations in fact increase the amount of FCo. water monitored than original placement plans. FCCD contacted MD-DC-DE USGS to discuss potential partnership in upgrading these stations to house the real-time monitors. Partnership is feasible, but still requires dollars to upgrade the stations. While USGS is able, and interested, in contributing to the costs, FCo. has yet to find a partner or funding source willing to contribute funds to this effort.</p> <p>August 2022 Update:</p> <p>Conversations with necessary partners continue. Locations and game plan have been chosen for at least 2 monitoring stations. Progress remains halted by lack of funds to install/implement monitors. Funding that allows equipment and partnership maintenance as an expense would allow forward motion on this item.</p>	<p>No change. Update only.</p>
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<p>1.6.b</p>	<p>Data Collection and Prioritization –</p> <p>Use analysis and large-scale data to better prioritize local data collection within prioritized watersheds for prioritizing BMP implementation.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Approved criteria for data collection method & parameters • Written contract outlining data acceptance into CAST (given that approved method is applied) • # of participants in meetings regarding data collection • # of monitors or test sites • # of individuals who join the group leading local collection effort - PSU Master Watershed Stewards (MWS) Program • # of volunteers 	<p>Potential Partners</p> <ul style="list-style-type: none"> • Local Colleges & Universities • PSU MWS • SMP • Watershed Associations • ALLARM • State DEP • Federal EPA or CAST Data Input Team • County • FCCD • USGS 	<p>Countywide, testing where need is determined based on 1.6.a</p>	<ul style="list-style-type: none"> • Effort coordinated – 2022 • Effort funded & begin collection - 2023 	<p>Funding</p> <ul style="list-style-type: none"> • Ensuring that data is accepted by & will be used in future CAST models • Education & outreach regarding collection process and effort • Private landowner permission for local collection sites • Maintenance of equipment and data for local effort 	<p>Existing partnerships</p>	<p>None</p>	<p>Tier 1 status data</p> <p>Accredited lab to test data</p> <p>Official DEP training to ensure data collection is Tier 1 status</p> <p>Signed & approved DEP/EPA Quality Assurance Plan</p>	<p>Sufficient funds needed for collection effort & maintenance</p>	<p>August 2023 Update: FCCD Watershed Specialist is working with local universities on logistics of piloting a citizen collection partnership. Currently, this pilot is in early stages, only discussion and scenarios presented to partners thus far. We hope to continue these conversations and report on a pilot program in a future update.</p> <p>August 2022 Update: Conversations with necessary partners continue. Partners have been identified and some discussions have taken place. We have marked this item yellow because progress remains halted by lack of funds and workforce to implement a large-scale manual monitoring program. Funding that allows equipment and partnership maintenance as an expense would allow forward motion on this item.</p>	<p>No change. Update only.</p>
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Priority Initiative 2: Nutrient Reduction Goals & BMP Implementation

2.1	<p>Best Management Practices –</p> <p>Establish a set of BMPs that will achieve required nutrient load reductions in an efficient and cost-effective manner</p> <p>(see BMP targets)</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Identify BMPs that may be feasible to achieve by 2025 • Stay up to date on progress using: <ol style="list-style-type: none"> 1. CAST credited reports 2. PK reports 3. FieldDoc reports 	<p>Potential Partners</p> <ul style="list-style-type: none"> • FCCD • FCPC • Local municipalities • DEP • EPA • SRBC/CAST team • Local stakeholders & organizations 	Countywide	<ul style="list-style-type: none"> • Targets determined 2019 • Targets reevaluated in 2021 • Implementation by 2025 	<ul style="list-style-type: none"> • Considerable resource limitations on municipal and private enterprise levels to collect data • Complex regulations prevent ready access to data • Cost of incentives for BMP adoption • Funding & permitting roadblocks • Timeline • Participation 	Existing partnerships	Grant & funding programs	<p>Trained engineering & technical staff to oversee, design, install and maintain BMP initiatives</p> <p>Staff to educate, coordinate and implement</p>	<p>Sufficient funds needed to implement BMPs</p> <p>Maintenance, inspections & re-verification</p> <p>Initial 2019 estimate \$15,000,000 for Ag BMPs with possible another \$10,000,000 for additional waste management</p> <p>Initial 2019 estimate \$4,500,000 for municipal sector BMPs</p>	<p>August 2023 Update: FCCD continues to be a key player in new BMP Implementation while the BMP Verification Partnership works to submit for continued credit of existing, creditable practices. To-date, FCCD has spent, or allocated, all awarded implementation funds, including funds from CAP, CEG, and the new ACAP programs. FCCD is prepared to request another round of CAP dollars for the 2024 cycle with projects lined up to effectively expend the funds.</p> <p>August 2022 Update: FCCD continues to be a key player in new BMP Implementation while the BMP Verification Partnership works to submit for continued credit of existing, creditable practices. Please see attached BMP Chart for Estimated Progress.</p>	No change. Update only.
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2.2*	<p>BMP Programs & Policies –</p> <ul style="list-style-type: none"> • Evaluate current system of incentives & penalties for BMPs and define enhanced incentive program for BMPs with greatest impact on nutrient loads to get landowner buy in. • Revise model ordinances to reflect current pollution reduction targets and BMPs. • Develop incentive programs for voluntary adoption of BMPs in developed areas and consider an offset program for implementation of high-impact BMPs in agricultural areas. 	<p>Potential Targets</p> <ul style="list-style-type: none"> • Review overall impact of existing programs & evaluate feedback • Stakeholder meetings with locals about programs they would benefit from • Consult with communities, particularly those under MS4 regulations, to develop model ordinances that address nutrient, sediment, and stormwater management • Expand “Be the Solution” series and stakeholder meetings to broaden understanding of ordinance needs and the application of BMPs 	<p>Potential Partners</p> <ul style="list-style-type: none"> • EPA • DEP • USDA • FCPC • FCCD • PSU Extension • SMP • Farm Bureau • Municipalities • Other local partners & stakeholders 	Compare County vs. Regional	<ul style="list-style-type: none"> • Partnership connection & research – 2022 • Draft incentive program structure - 2022 • Development and distribution of ordinances for comment and/or adoption – 2023 	<ul style="list-style-type: none"> • Program participation • Ordinance adoption & resident resistance • BMP post-installation maintenance • Start-up costs for new practices • Funding eligibility • Inter-agency 	Existing partnerships Existing models Multi-municipal group (COG)	TBD	Technical assistance to develop new ordinances and framework for new programs Staffing Program administration	TBD – Flexible & sufficient funding	<p>August 2023 Update: This item update iterates that from 2022. Additionally, FCCD has been working to further incentive those who have existing practices/management in place. Operations and communities demonstrating good faith efforts to make progress continue to receive assistance from the CWFC and FCCD to encourage and support existing momentum.</p> <p>August 2022 Update: 1 Franklin County municipality continues to implement their Stormwater Utility fee and has even updated their program to be more effective for stakeholders. No other progress to report regarding incentivizing BMP Implementation or penalizing lack-there-of. Franklin County has had no shortage of clean water projects to implement and has therefore determined this item to be lower priority than other items in the plan. Encouragement in the form of technical assistance has been enough incentive for partners to move forward with projects to date. Additional incentives would encourage even more progress.</p>	No change. Update only.
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<p>2.2.a</p>	<p>BMP Incentive & Assistance Programs – Developed/MS4</p> <ul style="list-style-type: none"> BMP incentive for MS4 communities. Incentives such as tax credits or impervious fee discounts for developers, organizations, commercial sector, etc. willing to implement BMPs additional to those required by stormwater protection plans. Incentivize land & business owners at county level to report non-reported BMPs. 	<p>Potential Targets</p> <ul style="list-style-type: none"> # of stakeholder meetings and interest Draft written program outline # of municipalities participating 	<p>Potential Partners</p> <ul style="list-style-type: none"> County COG & Municipal Leaders Funders Capital RC&D SMP 	<p>Compare County vs. Municipal</p>	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Bidding requirements for implementation On-site land availability Funding eligibility Inter-agency 	<p>Existing local fee structures</p>	<p>Potential local entity funding</p>	<p>Program structure (contracts & agreements)</p> <p>Technical Assistance (consultants)</p> <p>Fee structure assistance for some municipalities</p>	<p>Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates that from 2022. Additionally, FCCD has been working to further incentive those who have existing practices/management in place. Operations and communities demonstrating good faith efforts to make progress continue to receive assistance from the CWFC and FCCD to encourage and support existing momentum.</p> <p>August 2022 Update: Franklin County has had no shortage of clean water projects to implement and has therefore determined this item to be lower priority than other items in the plan. Encouragement in the form of technical assistance has been enough incentive for partners to move forward with projects to date. Additional incentives would encourage even more progress.</p>	<p>No change. Update only.</p>
<p>2.2.b</p>	<p>BMP Incentive & Assistance Programs – Advanced Nutrient Management</p> <p>Advanced nutrient management BMP program at county level that includes incentive or cost-share for plan development, pre-sidedress nitrogen testing (PSNT), and other nutrient management planning technologies.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> # of plans on current waitlists Organizational structure & framework Draft written program outline # of stakeholder meetings and interest # of acres reported and/or N reduced # of attendees at outreach event 	<p>Potential Partners</p> <ul style="list-style-type: none"> FCCD PSU Extension SMP Capital RC&D Industry Professionals 4R Stroud Water Research CBF Farm Bureau 	<p>Compare County vs. Regional</p>	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Weed management Funding eligibility Convenient and cost-effective for landowner Administration capacity for soil testing 	<p>Green seeker technology at PSU Extension</p> <p>Existing models for pre-side dress testing program</p> <p>On-going 4R research</p> <p>Existing partnerships</p>	<p>TBD – Currently None</p>	<p>Staff (workforce capacity)</p>	<p>Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates that from 2022. Additionally, FCCD has been working to further incentive those who have existing practices/management in place. Operations and communities demonstrating good faith efforts to make progress continue to receive assistance from the CWFC and FCCD to encourage and support existing momentum.</p> <p>August 2022 Update: Franklin County has had no shortage of clean water projects to implement and has therefore determined this item to be lower priority than other items in the plan. Encouragement in the form of technical assistance has been enough incentive for partners to move forward with projects to date. Additional incentives would encourage even more progress.</p>	<p>No change. Update only.</p>

2.2.c	BMP Incentive & Assistance Programs – Ag Erosion & Sediment Control	<u>Potential Targets</u>	<u>Potential Partners</u>	Compare County vs. Regional	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Weed management Funding eligibility Convenient and cost-effective for landowner 	Existing models	TBD – Currently None	Technical Assistance (consultants) Staff (workforce capacity)	Flexible & sufficient funding	<p>August 2023 Update: FCCD has recently begun piloting a new Cover Crop Program, thanks to the addition of one new agricultural staff and funding from the SCC’s CEG Program. The program did receive a number of applicants, and we look forward to reporting on its outcomes and progress in future reports. Additionally, FCCD has been working to further incentive those who have existing practices/management in place. Operations and communities demonstrating good faith efforts to make progress continue to receive assistance from the CWFC and FCCD to encourage and support existing momentum.</p> <p>August 2022 Update: Franklin County has had no shortage of clean water projects to implement and has therefore determined this item to be lower priority than other items in the plan. Encouragement in the form of technical assistance has been enough incentive for partners to move forward with projects to date. Additional incentives would encourage even more progress.</p>	No change. Update only.
2.2.d	BMP Incentive & Assistance Programs – Streamlined Stream Restoration	<u>Potential Targets</u>	<u>Potential Partners</u>	Statewide (permits involved)	<ul style="list-style-type: none"> Partnership connection & research – 2022 Solution discussions 2023 	<ul style="list-style-type: none"> Proposing changes to a large, existing system Programmatic and regulatory challenges 	TBD – Currently None	TBD – Currently None	TBD	Flexible & sufficient funding	<p>August 2023 Update: FCCD has continued to utilize partnerships built in 2022 with WPC, PFBC, and Trout Unlimited. Last year, it was reported that partner capacity was limiting for construction of restoration projects. In the past year, Clean Water Coordinator and Watershed Specialist have been working to find possible solutions to this bottleneck and increase capacity for restoration projects in FCo. This past year, FCCD has been utilizing TU’s Technical Assistance Program (TAP) to secure designs for restoration projects. TU gave FCCD the green light to hire trusted private contractors to implement these designs. FCCD piloted this method with two projects in 2022, one already completed and successful, the other to occur this month. We have every confidence in the upcoming project and believe that our county will continue to utilize this process, nearly tripling the rate of restoration in FCo. One challenge we continue to have is permitting time. If permitting process can be simplified or turnaround time lessened, this rate could continue to increase and significantly transform Franklin County corridors.</p> <p>August 2022 Update: CWFC and FCCD have partnered with the Western PA Conservancy</p>	

			<ul style="list-style-type: none"> • Private Consultants • USFWS • Trout Unlimited • Stroud Water Research • Western PA Conservancy • PFBC 							<p>(WPC) and PA Fish and Boat Commission (PFBC) to test a new partnership/capacity building initiative that encourages the expansion of a “Streamlined Stream Restoration” process from northern PA to southcentral PA. (As well as a similar partnership with Trout Unlimited).</p> <p>This partnership was piloted using CAP funds awarded to FCCD for the restoration of Paddy Run. FCCD entered an agreement with WPC in which FCCD budgeted the award to WPC to coordinate & manage the entire project (including permitting assistance, bid process, material orders, landowner agreements, contractor coordination, create planting plan, complete planting, etc.) which frees up FCCD to continue coordination of more new projects. This project was extremely efficient in use of time, funding (only 50% of budgeted cost), and human resources, and FCCD & CWFC plan to continue this partnership.</p> <p>Currently, the only hold up moving forward is the number of technical service providers (PFBC/Trout Unlimited staff) available to complete projects, limiting FCCD to use of this partnership mechanism for only 2 projects per summer. FCCD currently has a line of at least 10 projects that would be ready to be completed by next summer if there were more PFBC/Trout Unlimited staff to execute them. We hope to see more investment in these types of partnerships from the incoming clean water investments in the coming years.</p> <p>Milestone Changes: No change. Update only.</p>
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2.3	BMP Prioritization –	Potential Targets	Potential Partners	Countywide	<ul style="list-style-type: none"> • ID Key watersheds – 2020 • Buffer opportunity GIS layer – 2020 • Existing buffer inventory – 2023 • GIS priority parcel analysis – 2022 • Begin monitoring BMP effectiveness through water quality monitors – 2023 	<ul style="list-style-type: none"> • Land taken out of production for some BMPs • Landowner participation & incentive • Personnel to conduct parcel prioritization analysis • Staff needed to coordinate outreach 	Existing partnerships	ESRI Conservation Program (for GIS software)	Personnel dedicated to outreach & coordination efforts	TBD – Flexible & sufficient funding	<p>August 2023 Update: This item update iterates that from 2022. Additionally, FCCD has made progress on utilizing BMP verification to identify need in the county. Please refer to items above for watershed-focused prioritization efforts. We still hope to work with partners on a tool that helps to identify the greatest net effects of BMPs in the future.</p> <p>August 2022 Update: FCCD staff and CWFC partners have been working to explore priority watersheds in a “Boots on the Ground” effort to find the most-needed implementation around the county. Now that we have broken into some of these communities with our outreach and word of mouth, we have had an increase in interested from landowners, hoping we will come evaluate their properties as well. We have plans to continue this momentum, and work tirelessly to keep up with the number of projects as a result.</p>	No change. Update only.
	<ul style="list-style-type: none"> • Identify key watershed areas for installation of BMPs with greatest net effect. • Identify key parcels for installation of BMPs with greatest net effect. • Define priority areas for riparian buffers. 	<ul style="list-style-type: none"> • GIS mapping & inventory of priority riparian buffer installation areas • Identify targeted funding for prioritized installations (ongoing) • # of landowners reached • # of watershed group buffer plantings • Assessment of existing buffers & maintenance needs • Establish stream monitoring to assist in determining priority area and to document impact of installation of BMPs (See items 1.6.a & 1.6.b) 	<ul style="list-style-type: none"> • FCCD • FCo. GIS • PSU Extension • SHIP CLUS • CBF • TNC • Local watershed groups • Local municipalities • Monitoring will identify priority area and document water quality needs & improvements related to BMP installation - may find additional partner needs (See items 1.6.a & 1.6.b) 				<ul style="list-style-type: none"> • Buffer opportunity GIS layer (as of 2020) • Coordinator (as of 2020) • GIS software in-house (as of 2020) 	<ul style="list-style-type: none"> • Coordinator funding 	<ul style="list-style-type: none"> • Trained staff for data monitoring equipment • Time, staff, or contractor funds to dedicate to GIS parcel prioritization analysis 			

2.4	<p>Program Data Management & Project Planning –</p> <p>Prepare GIS database of proposed installation of all BMPs in BMP Targets Plan.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Map all existing BMPs and proposed BMPs in project planning software to aid in planning purposes (See item 1.2) Provides ongoing data/benchmark 	<p>Potential Partners</p> <ul style="list-style-type: none"> FCCD FCo. GIS PSU Extension SHIP CLUS CBF TNC Local watershed groups Local municipalities 	Countywide	2023	<ul style="list-style-type: none"> Inter-agency Right-to-know Database management Participation of community – awareness of ALL BMPs 	<p>Potential software</p> <p>Personnel to create database & perform BMP placement analysis</p>	TBD – Currently none	Personnel dedicated to database management	TBD – Flexible & sufficient funding	<p>August 2023 Update: This item update iterates that from 2022.</p> <p>August 2022 Update: Discussions with local universities have occurred on this partnership for this item, but there is no significant update to report on this item. This item has been on the backburner as it is been determined to be lower priority than other initiatives.</p>	No change. Update only.
2.5*	<p>Commercial & Residential Fertilizer –</p> <p>Implement an efficient documentation program to track commercial & homeowner nutrient applications on developed land.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Provide support for current fertilizer legislation Conduct education event for commercial landscape industry and homeowners Identify acreage for urban nutrient management plans 	<p>Potential Partners</p> <ul style="list-style-type: none"> DEP Landscape industry & organization Non-profits 	Statewide	2020	<ul style="list-style-type: none"> Contingent upon legislation Reliant among industry 	<p>CAST analysis (see notes)</p> <p>Pass state legislation</p>	TBD – Currently none	TBD	TBD – Flexible & sufficient funding	<p>August 2023 Update: This item update iterates 2022.</p> <p>August 2022 Update: A version of legislation was passed regarding this item. This will remain on hold until the Steering Committee is able to determine next steps based upon approved legislation.</p> <p>August 2021 Update: No update to this item until legislation is passed.</p> <p>11/25/2020 Update: See details to the left. This item is dependent upon a bill which has not yet been passed. Therefore, we are not yet able to take any action on this item.</p> <p>NOTE from 2019 Plan: Commercial and home use of nutrients should be evaluated in the CAST model, more data is needed on what application levels are currently.</p>	No change. Update only.

<p>2.6</p>	<p>BMP Programs & Policies –</p> <p>Evaluate feasibility for establishment of ordinances on a countywide or multimunicipal scale to promote BMPs around stormwater for land use and development plans.</p> <p>(relates to items 1.4, 1.5, & 2.2)</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Research model ordinances and “Conservation by Design” • Convene municipal working group to discuss best practices • Draft incentives for establishment of ordinances at municipal level 	<p>Potential Partners</p> <ul style="list-style-type: none"> • FCPC • COG (local municipalities) 	<p>Countywide</p>	<p>Contingent upon (as they are an addition to) items 1.4, 1.5, & 2.2</p>	<ul style="list-style-type: none"> • Contingent upon (as they are an addition to) items 1.4, 1.5, & 2.2 • Inter-agency • Different local priorities 	<p>Existing ordinances to serve as models</p>	<p>TBD</p>	<p>TDB – Flexible & sufficient assistance</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates 2022.</p> <p>August 2022 Update: Conversations continue, but there is no significant update to report on this item at this time. Item has been on hold as it was determined to be lower priority than other initiatives.</p>	<p>No change. Update only.</p>
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Priority Initiative 3: Communication, Education, & Outreach

<p>3.1</p>	<p>Communication –</p> <ul style="list-style-type: none"> • Develop a communications strategy to communicate <i>parallel goals of county plan and local goals such as public and environmental health, economic development, and others.</i> • Create a communication plan that reflects positive, local focus on all materials. Focus on win-win scenarios, future of county water, and community benefit. 	<p>Potential Targets</p> <ul style="list-style-type: none"> • Countywide water celebration/event – showcase all water-related groups & businesses in one place • Continue “Be the Solution” handout series – scale up distribution • Continue educational signage at local streams • Continue & scale up industry stakeholder events so trusted consultants can share with clients • Develop list of contacts for coordinator to meet with 1-1 	<p>Potential Partners</p> <ul style="list-style-type: none"> • FCCD • Franklin Co. • PSU Extension • Local water groups • The Institute • Local municipalities • Local schools • Local businesses • Capital RC&D • TNC • CBF • ACB • SMP • CLUS • PACD • Local Chambers • Visitor’s Bureau • Community Foundation • Non-profits 	<p>Countywide</p>	<p>• Communication Plan – 2020 (ongoing)</p> <p>• “Be the Solution” handout series – 2021 (ongoing)</p> <p>• Industry stakeholder meetings – 2020 (ongoing effort)</p> <p>• Communication that parallels other local goals – 2022</p> <p>• Water event – 2023</p>	<ul style="list-style-type: none"> • Meeting and event participation • Building community trust and positive perception around Plan • Funding • Coordination & planning large events (COVID-19, time consuming, & expensive) 	<p>Handout template</p> <p>Existing partnerships</p> <p>Signage templates</p>	<p>TC Energy Community Grant</p> <p>Additional funding needs TBD</p>	<p>Personnel for (or funding to contract) outreach, education and coordination</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates 2022. Our distribution of our “Be the Solution” handout series that has been so well received (see our first two editions, “Ag BMPs” and “Backyard BMPs”) has increased. We have distributed nearly 700 of each since printing in 2021.</p> <p>August 2022 Update: We continue to utilize our existing communication plan and make adjustments as needed. Momentum has rapidly increased as we continue positive messaging regarding local issues around water, soil health, recreation, etc. We continue this communication through the use of our “Be the Solution” handout series that has been so well received (see our first two editions, “Ag BMPs” and “Backyard BMPs”). We also continue to utilize our message through more educational material distribution and events for local landowners (more details on events and outlets below).</p>	<p>No change. Update only.</p>
<p>3.2</p>	<p>Education –</p> <p>Utilize existing resources to engage educational objectives.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> • Create list of online courses, webinars & How-To videos to share on our pages • Share PSU Extension & other partners’ existing resources • Share partner list, contact info & volunteer opportunities online 	<p>Potential Partners</p> <ul style="list-style-type: none"> • EPA • DEP (CWA) • ACB • CBF • FCCD • PSU Extension • Local municipalities • Educational institutions & non-profits 	<p>Countywide</p>	<ul style="list-style-type: none"> • Create and share partner contact list and volunteer groups – 2020 (ongoing) • Create Facebook page – 2020 • Share partners’ existing resources – 2020 (ongoing) • List of courses, webinars, & training topics to share – 2022 	<ul style="list-style-type: none"> • Many moving parts (time & resources) to coordinate and maintain • Need willing participants 	<p>Existing templates and models to work from</p> <p>Existing partnerships</p>	<p>TC Energy Community Grant</p> <p>Additional funding needs TBD</p>	<p>Personnel for (or funding to contract) outreach, education and coordination</p> <p>Potential software needs</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates 2022. We continue to host tours, adult educational events with local partners such as The Institute, PSU Extension, and Tayamentasachta Environmental Center. Examples of outreach efforts this year include meetings with stakeholders, local leaders & the COG, Conservation Farm Tour, Ag Industry Meeting with special stream tour for EPA Region 3 and Adam Ortiz, individualized outreach efforts/landowner communication, Facebook posts, and more!</p> <p>August 2022 Update: We continue to host tours, adult</p>	<p>No change. Update only.</p>

											<p>educational events with local partners such as The Institute, PSU Extension, and Tayamentasachta Environmental Center. Examples of outreach efforts this year include meetings with stakeholders, local leaders & the COG, Conservation Farm Tour, Ag Industry Meeting, Manure Expo Stream Tours, individualized outreach efforts/landowner communication, Facebook posts, and more!</p> <p>We also continue to utilize our Facebook and Website to share news and funding information. This year, we have created a “Partners & Stakeholders” email list where we share funding announcements and other resources & opportunities. This email list now has a “sign-up” registration form where people can register to receive email updates from CWFC.</p>
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<p>3.3</p>	<p>Outreach –</p> <ul style="list-style-type: none"> • <i>Develop a focused effort to promote BMPs in agricultural community.</i> • <i>Develop a focused effort to promote BMPs in the developed community.</i> 	<p>Potential Targets</p> <ul style="list-style-type: none"> • Evaluate best way to communicate innovative practices and models • List of additional communities of practice to establish so that practitioners can share experiences and learn from others – i.e. grazing group forum • Create targeted informational materials that relate specifically to each sector • Publicly recognize existing effort in ag community – i.e. recurring 	<p>Potential Partners</p> <ul style="list-style-type: none"> • EPA • DEP • USDA • FCCD • PSU Extension • 4R Alliance • Capital RC&D • Ag Community • Chesapeake Commons • SMP • TNC • Developers 	<p>Compare County vs. Regional</p>	<ul style="list-style-type: none"> • List of possible communication avenues – 2022 • List of additional communities of practice (forums) – 2022 • Ag specific educational materials – 2020 • List of avenues to publicly recognize ag community – 2022 • Establish regular recognition in one of the mediums determined above – 2022 • Letter template to locals to ask if 	<ul style="list-style-type: none"> • Many moving parts (time & resources) to coordinate and maintain • Need willing participants 	<p>Existing templates and models to work from for some items identified</p> <p>Existing partnerships for some items identified</p>	<p>TC Energy Community Grant</p> <p>Additional funding needs TBD</p>	<p>Personnel for (or funding to contract) outreach, education and coordination</p> <p>Potential software needs</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2023 Update: This item update iterates 2022. Additionally, we have been working to promote BMPs in sector-based groups and forums including our CP3 reveal meeting. In this meeting, we worked with municipalities to talk through the steps required to implement projects identified in the plan within their jurisdictions (discussion of permitting, funding, construction, timelines, etc.). We have also continued to promote ag BMPs through various avenues including in-person tours and workshops, Facebook, tabling events, ag-specific news outlets, and more.</p> <p>August 2022 Update: CWFC continues to utilize educational handouts funded by community education grant. Additional means of outreach over the past year have included direct communications to individual landowners, watershed</p>	<p>No change. Update only.</p>
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		<p><i>recognition column in existing publication, website, or forum</i></p> <ul style="list-style-type: none"> • Scale up outreach efforts in developed community - work with developers and residents to increase Clean Water BMPs in communities 	<ul style="list-style-type: none"> • HOAs • Local residents 		<p>they would like to be interviewed for recognition – 2022</p>						<p>by watershed, to discuss clean water issues and BMP Implementation opportunities on their property. This outreach has been conducted by partners such as municipal leaders, FCCD staff, and CRCD BMP Verification Specialists.</p>	
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Green - action has been completed or is moving forward as planned

Yellow - action has encountered minor obstacles

Red - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Expected Timeline	Potential Implementation Challenges	Potential Recommendations on Improvement	Resources Needed				Reason for Change to Action Item (2024-2025 milestone period)
						Technical	Suggested Source	Financial	Suggested Source	
Programmatic Initiative 1: Programmatic, Policy and Regulatory Changes										
1.1*	<p>Organizational Structure –</p> <p>Integrate Chesapeake Bay planning efforts with county planning through dedicated personnel available to support local goal implementation and address capacity issues on a county-by-county basis.</p>	<ul style="list-style-type: none"> Organizational chart for all participating entities with roles and responsibilities developed. Share chart with county partners. Hire state level staff Necessary information identified for exchange reporting criteria Schedule for reports established in data verification process manual 	2022	<ul style="list-style-type: none"> Integrated staff should be at DEP level but with frequent interaction in collaboration with county staff. 2-3 staff at DEP for administration of program, and at least 1 dedicated staff person at Franklin County Program needs to recognize and provide support for plan implementation for counties’ unique needs 	<ul style="list-style-type: none"> Adequate staff to lead program development. Additional staff needed to address capacity issues such as data reporting/verification, plan writing at CDs, program administration specialists, etc. Implementation efforts have increased workload at the county level. With more projects to complete on a quicker timeline, additional assistance is needed to facilitate these efforts and the capacity of this new work. 	Staff will need to be hired to lead and coordinate the Plan effort.	Source: State and County part to be determined	State and local funds sufficient for staffing.	Suggested source: State/Local	<p>August 2023: This item was originally a broad idea. Since this item was created, CBO staff and coordinators have been hired & facilitating CAP effort. This item has been updated to look further into additional needs identified through implementation process.</p>
1.2*	<p>Program Efficiency –</p> <ul style="list-style-type: none"> Establish a pollution reduction policy that consolidates sediment, nutrient, and stormwater requirements into a single plan for counties within the Chesapeake Bay watershed (MS4/TMDL/WIP3 and Act 167 requirements) Develop uniform standards and regulations for pollution reduction within the Chesapeake Bay region to decrease cross- 	<ul style="list-style-type: none"> Establish clear guidelines with input from local municipal levels Gain required approvals of plan guidelines from state and federal agencies Develop a pilot program to test guidelines within representative counties Identify funding for plan development, requirements and metrics Train county and municipal staff on consolidated plan requirements and implementation Complete rollout of revised guidelines with adequate staffing support from DEP for Implementation 	2023	<ul style="list-style-type: none"> Currently, there are challenges with scale of implementation, with redundancy in the system, and a lack of consistency in the inspection and review process. Currently, the required plans don’t communicate well with one another and the process of reworking them will be complex. If/When the policies are established, there remain obstacles in the form of lack of staffing and funding for program implementation. Nonetheless, these recommendations are an attempt to increase and direct funding to nutrient reduction projects in the 	<ul style="list-style-type: none"> Institutional barriers exist to optimizing implementation of pollution reduction measures. The recommended policy changes would make it easier to fund and implement projects with the greatest nutrient reduction potential. The challenge is gaining consensus and approval from required levels of government. We feel this process is needed to pool resources, get widespread buy in and increase efficiencies towards meeting objectives. It will encourage municipalities to think on a watershed- wide basis rather than MS4 regulated/non-MS4 	Staff at state and county level	State/local	State/local	State/local	<p>August 2023: Due to the scale of this request and limitations of creating a “single plan” across multiple geographies and agencies in such a short time, Franklin County has decided to find a creative, county-level solution to address this planning need in the meantime.</p> <p>No further action on this item is being requested of DEP at this moment in time.</p>

	<p>boundary inequalities</p> <ul style="list-style-type: none"> • Enact a policy that allows financial resources to be targeted toward highest impact projects within regulated watersheds 	<ul style="list-style-type: none"> • Implementation of uniform standards in Chesapeake Bay watershed counties • Review legislation on stormwater tax, examining feasibility of implementing in non-MS4 communities • Develop policy language that allows allocation of a proportion of stormwater tax funds to be spent on high priority projects within the watershed impacted by a municipality but not necessarily within that municipality's borders • Obtain necessary approvals from EPA, DEP and state legislature 		<p>highest risk area of targeted watersheds. Additionally, they are designed to decrease resentment that arises from inequitable regulations.</p>	<p>regulated areas.</p>					
1.3	<p>Program Efficiency –</p> <ul style="list-style-type: none"> • Simplify permitting process for installation of BMPs (DEP Water Obstruction and Encroachment and joint DEP/Army Corps of Engineers). <p>Expedited permit process needed for any/all CAP BMP Implementation projects.</p>	<ul style="list-style-type: none"> • Permit application process simplified and communicated to stakeholders • Decreased wait time for permit approvals • Improved proportionality of effort 	2024	<ul style="list-style-type: none"> • Smaller projects currently require the same amount of effort as large-scale projects in terms of the permit requirement process. This recommendation requires reviewing and streamlining the permitting process. 	<ul style="list-style-type: none"> • This recommendation entails evaluating Chapters 102 and 105 of the Clean Streams Act in order to evaluate proportionality and scale of projects that involve BMPs in or near streams. • Focus should be on implementing as many BMPs in the Chesapeake Bay region as possible, not on regulating large and small projects under the same permit requirements. Current process puts counties with fewer resources at a disadvantage. • Implement a multi-project permit such as a “watershed permit”. Model permit process off of CAP Block Grant process to create a “Block Permit” for CAP Implementation projects, where any BMP Implementation or Enhancement Project can be included on the block permit rather than needing individual CAP BMP Implementation Project Permits. 	Regulatory changes	State	State	State	<p>August 2023: This item was originally a broad idea. Since this item was created, DEP has provided an update on their permitting efforts. This item has been updated with a new recommendation of a potential solution to further address permitting needs identified through implementation process.</p> <p>Additionally, a new secretary has begun his work with PA DEP. Secretary Negrin has publicized his dedication to streamlining the PA permitting system. We look forward to the results of his work.</p>

1.4	Program Efficiency – Simplify funding and grants administration for implementation of BMPs	Grants program changed to more of a targeted regional approach with an allotment of funding for each county in the Chesapeake Bay region rather than a competitive grants process between counties.	2022	Additional technical and fiscal support needed for funding applicants.	<ul style="list-style-type: none"> • Evaluate Growing Greener and other grant programs for agricultural and other BMPs related to nutrient load reductions, and improve the process. • The administration of funding should be addressed as a centralized state agency process to reduce paperwork burdens on county level staff responsible for BMP installation and program management. Counties would be responsible for project prioritization and implementation rather than grant management and preparation of applications. • Model more funding programs off of the CAP Block Grant structure and allow more flexibility related to eligibility of costs associated with BMP implementation as other programs do (such as design). • Within CAP Block Grant program, extend contractual category 25% allocation (allowable for engineer/design cost) to include <u>all</u> project readiness costs/expenses, including but <u>not limited to</u>: preliminary studies (wetland studies, PNDIs, hydrologic & floodplain studies, etc.), permitting, etc. 	Admin & regulatory changes	State	State	State	<p>August 2023: Since this item was added in 2021, the SCC has launched new funding programs that model the block nature of the CAP Block Implementation Grant (CBIG). FCCD has enjoyed working with the Conservation Excellence Program (CEG) and looks forward to the new Agricultural Conservation Assistance Program (ACAP). We hope to see more of the existing programs, such as Section 319 and Growing Greener make the transition to the block format as well.</p> <p>Additionally, DEP has extended the CBIG program 25% engineering allowance to include all project readiness costs, including, but not limited to: preliminary studies (wetland studies, PNDIs, hydrologic & floodplain studies, etc.), permitting, etc.</p> <p>August 2021: This item was originally a broad idea. Since this item was created, DEP has created the CAP Block Implementation Grant. This programmatic item has been updated with the recommendation to further build on the block grant solution to further the use of the block grant model. We would like to see more programs take on the structure of the block grant program.</p>
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1.5	Data Collection – Create a central state warehouse for data collection and reporting regarding implemented BMPs, county conservation plans, restoration project permits, grant applications, 4R practices, etc.	<ul style="list-style-type: none"> Establish a centralized data collection and reporting system (enhancing existing systems where applicable) 	2023 (ongoing) <ul style="list-style-type: none"> Note: central warehouse is created, ongoing process continues to accomplish smooth operation 	<ul style="list-style-type: none"> Coordination between FCCD, NRCS, DEP, EPA, others – consistency and communication of data Reporting system will require maintenance, updates and adequate tracking and verification Privacy concerns about data if subject to right to know 	Establish database and reporting system	Develop system, Train staff	State	State	State	August 2023: DEP has reported progress on this item regarding the BMP Data Warehouse, and FCo. acknowledges the progress on this item as DEP continues this work. When FieldDoc and BMP Data Warehouse are all fully functional and we have transitioned to its intended use, this item will be marked complete. We ask no new actions of DEP on this item, just the continuation of work toward smooth functionality and operation of this tool.
1.6	Capacity Building – Workforce (BMP Data Collection & Verification) <ul style="list-style-type: none"> Implement a survey process for capturing current agricultural best management practices that are unreported. 	Wide scale survey to be completed by 2023	2023	<ul style="list-style-type: none"> Participation Coordination between agencies Right-to-know 	Survey needs to be standardized across the region and implemented in an organized fashion. We have heard from stakeholders that they feel they have answered surveys in the past but not certain what was done with the data.	Staffing – state & local	State	State	State	August 2023: No action changes to this item. DEP worked with PSU Extension to conduct a detailed survey with farmers for BMP verification. FCo. requests no further action at this time.
1.7*	Municipal sector – <ul style="list-style-type: none"> Create a systematic process and database for inventorying stormwater management practices and facilities in MS4 and non-MS4 municipalities which could be stored in central database. 	<ul style="list-style-type: none"> Evaluation of stormwater management rules and regulation at state, county and local level - examine existing inventory and database systems in municipalities operating under MS4 Permits Receive cost estimates for countywide inventory Capture unreported BMPs on the ground for import into central database 	2022	<ul style="list-style-type: none"> Coordination between local governments, disagreement on structure Identifying “owner” of multi-municipal data (lead entity) How will financial responsibility and authority of structure be defined Funding for inventory capture and data storage 	Establish a database and reporting system	Technical assistance to develop consistent structure Personnel dedicated to managing structure - stormwater coordinator Written guidance, contracts, and agreements regarding new structure	State, local	State, local	State, local	August 2023: No action changes to this item. DEP has reported progress on this item regarding their rollout of the ePermitting system. FCo. acknowledges the progress on this item as DEP continues this work. When this is fully up/running, fully functional, and we have completely transitioned to the system, this item will be marked complete. We ask no new actions of DEP on this item, just the continuation of work toward smooth functionality and operation of this tool.

1.8	Program Guidance – Refine BMPs listed in manual and provide updated direction in implementation.	Complete BMP manual with updated practice descriptions that have greater alignment with PA agricultural practices	2020	Changing practice descriptions and credits in the model will require approval on many levels	<ul style="list-style-type: none"> Many BMPs in the manual are not fully defined, particularly for a non-practitioner engaged in planning process. Many say TBA, with further definition required. Many BMPs are Maryland-specific and not relevant to Pennsylvania practices. Also, some practices are not given credit, but it seems that they should be given more. Example – model assumes that commodity cover crops receive fall nutrients, and so gives less credit for these crops. Farmers state that small grain following soybeans should be credited the same as non-commodity cover crops, as they receive many nutrients from prior soybean planting. Perhaps the practice should be defined in terms of whether or not nutrients are applied rather than whether or not they are commodity cover crops or not. 	Staff to revise manual	State	State	State	<p>August 2023: No action changes to this item.</p> <p>DEP updated that they have received no plans from the creators of the manual to make updates to this document. FCo. is still interested in the creators of the BMP Quick Reference Guide completing the “missing pieces”/TBA items of the manual.</p>
1.9.*	BMP Programs & Policies – <ul style="list-style-type: none"> Evaluate current system of incentives & penalties for BMPs and define enhanced incentive program for BMPs with greatest impact on nutrient loads to get landowner buy in. Develop incentive & programs for voluntary adoption of BMPs in developed areas and consider an offset program for implementation of high-impact BMPs in agricultural areas. 	<ul style="list-style-type: none"> Statewide review of the overall impact of CREP, REAP, EQIP, Act 319, Growing Greener and other programs, evaluate feedback on what has or hasn't worked and communicate with local stakeholders on what new incentives are being considered 	2021	<ul style="list-style-type: none"> Program participation BMP post-installation maintenance Funding 	<ul style="list-style-type: none"> Cover crop practices involve costs for equipment, pest management, etc. Incentive programs should account for more than planting alone. Remove “caps” or “maximums” per landowner from assistance & reimbursement programs to assist with as many practices as possible. Prioritize units of new BMPs over number of landowners. This will both maximize and speed up use of funds available while ensuring maximum amount of nutrients are reduced on maximum of number of acres. 	Technical assistance to develop new ordinances and framework for new programs Staffing Program admin	State	State	State	<p>August 2023: This item existed in the previous version of the plan. Targets, partners, challenges, and resources have been reevaluated and identified. An additional action item was added to the description to expand potential opportunities surrounding the original item phrase, “evaluate current system of incentives...” regarding “BMP Programs & Policies”.</p>

1.10*	Commercial & Residential Fertilizer – Implement an efficient documentation program to track commercial & homeowner nutrient applications on developed land.	<ul style="list-style-type: none"> • Provide support for current fertilizer legislation • Conduct education event for commercial landscape industry and homeowners • Identify acreage for urban nutrient management plans 	2020	<ul style="list-style-type: none"> • Contingent upon legislation • (If Bill doesn't pass, will not be able to implement this action.) • Reliant among industry • Documentation and reporting are huge challenges 	<ul style="list-style-type: none"> • Pass state legislation • CAST analysis - Commercial and home use of nutrients should be evaluated in the CAST model, more data is needed on what application levels are currently. 	State lead	State	State	State	August 2023: No action changes to this item. DEP has noted they are waiting on legislation to pass to move forward on this item.
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**** NOTE: example for 1.9** → For example – if there are \$500,000 available for a reimbursement program for advanced nutrient management (or ag plans) that limits a maximum of 500 acres per landowner, the program may reimburse 10 eligible farmers for 500 acres each, totaling 5,000 acres of new nutrient management BMPs at \$50/acre and have \$250,000 left over in the program. In this first scenario, the priority is place on providing funds to as many different landowners as possible, but limits who is eligible for that money and the number of acres of new advanced nutrient management implementation. If that maximum is removed, the same money may fund 5 farmers with 2,000 acres each, totaling 10,000 acres (double the acreage) and use all \$500,000 of the program money. In this second scenario, the goal is to accomplish as many acres of advanced nutrient management as possible, maximizing nutrient reductions that the program can fund. By decreasing the restrictions and moving to a first come, first serve process, we increase potential for maximum nutrient reduction through this program. Many producers also have multiple fields in the same area. By allowing reimbursement for a practice on ALL of their acres, we are maximizing the potential for concentrated BMP implementation (or a watershed, geographic concentration approach), also maximizing nutrient reduction and stream delisting potential.

Franklin County Clean Water Plan Programmatic Recommendations

Each county-based local area will use this template to identify:

1. Inputs – The statewide policy, regulations, initiatives and programs that needed to be looked at for success in the Phase 3 WIP.
2. Process – What are the changes that need to occur for the county to be successful in the process. These are the action items listed under each priority initiative.
3. Outputs and outcomes – both short and long-term. These are the programmatic recommendations identified by each county. The performance targets are the changes that need to occur in order to meet your county goal.
4. Implementation challenges – any potential issues or roadblocks to implementation that could impede outputs and outcomes

For each Programmatic Recommendation: Use the fields, as defined below, to identify the inputs and the process that will be followed to achieve each programmatic recommendation. This is the “who, what, where, when and how” of the plan:

Description = What. This may include programs that address prevention, education, or changes to current policy and regulation. A programmatic or policy effort will allow for the completion of action items listed in the Planning and Progress Template.

Performance Target = How. This is an extension of the Description above. The Performance Target details the unique BMPs that will result from implementation of the Priority Initiative and serves as a benchmark to track progress in addressing the Priority Initiative. Performance Targets may be spread across multiple Responsible Parties, Geographies, and Timelines based on the specifics of the Initiative.

Expected Timeline = When. Provide the expected completion date for the planned programmatic change. This should be a reasonable expectation, based on knowledge and experience, and will help in the completion of your county plan.

Potential Implementation Challenges = This field will note challenges and issues that may delay program implementation (Description). This can be in relation to your county plan.

Potential Recommendations on Improvement = This field will note recommendation on how to improve or change the program (Description)

Resources Needed: Technical & Funding = This field will note technical and financial resources needed/outstanding to implement the program (Description).