Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Template

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)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available				Resources Needed				Review Checklist Comments
							Technical	Source	Financial	Source	Technical	Suggested Source	Financial	Suggested Source	
Priority Initiative 2: Urban and Developed Stormwater															
2.1	Nutrient and Fertilizer Planning for Turf Grass	Develop and implements plans and guidance for Turf Grass <u>600 acres</u> per year either planned or verified	BCCD, PSU Extension, NRCS,	Urban	2024+	Collecting Reporting from existing plans, (ie. Golf course, school plans) and lack of participation from private landowners	Guidance documents,	Towanda Country Club, Pinecroft Golf Course, and TruBlu Golf LLC	Funds to development management plans	Private funds from golf courses or other large turf grass area owners	Example plans, outreach to increase importance of plans, Enforcement for possible adapted ordinances or policies.	Local government, consultants	Dedicate funds to launch the program to achieve nutrient stormwater reductions	Local Grants, $30,000.00 per year	
2.1a	Turf Grass Management	Management of Turf grass fertilizer application and potentially reduce unnecessary areas <u>40 acres</u> per year	Golf Courses, BCCD, County Planner	County	2023+	Resistance to additional changes and reporting	Technical Guidance documents and proven BMP's	Towanda Country Club, Pinecroft Golf Course, and TruBlu Golf LLC, PSU Extension, NRCS	Funds to implement Turf grass reduction areas by tree or wildflower planting	K-10	Education and training to understand the importance and the actual implementation of these projects	Consultant, landscapers, NRCS	Funding to implement projects	Growing Greener, $100,000.00 per year	
2.2	Existing Stormwater BMP retrofit Program	Upgrade existing basins, drainage systems to improve function <u>10 system upgrades or maintenance per year</u>	Municipalities, landowners, rec properties	Existing Sites	2022-2025	Funding to complete necessary maintenance or upgrades	Example projects, Guidance documents	DEP	Private funds	System owners	Site data collection; Design development, Implementation	Consultant services, contractors	Design funds, construction funds	Growing Greener, local grants, DCED Watershed Restoration and Protection Program WRPP, $150,000.00 annually	

2.2a	Stormwater BMP Prioritization Tool	Creation of a prioritization tool, to identify beneficial potential project locations that consists of a database mapper and scoresheet.	County Planning	Existing g Stormwater BMP's within the county Starting with higher population and impervious areas	2022-2025	Identifying suitable facilities and collecting data to create a tool	Existing data for permitted systems	DEP, County Planning	Funds to develop and maintain tool and data collection	County Funds	Creation of Tool/database, setting up quantifiable system and keeping it up to date, data collection Maintaining the tool	Consultant services, DEP, County personnel	Fund to create database and collect to digitize data	DEP Stormwater Grant programs. Growing Greener $50,000.00 for initial set up and $10,000.00 for staff to maintain and update program yearly	
2.3	Bridge Stormwater Management	Look at stormwater Management to reduce nutrient flowing directly into River.	PennDOT, County	Towanda Bridge and other River Crossings	2024+	Funding Determining proper course of action	Land acquisition, design, construction	PennDOT, Engineers,	Funding for engineering and construction	PennDOT	Design of Stormwater management system that is applicable	Consultant	Funding	PennDOT, DCED Flood Mitigation Program, DCED Watershed Restoration and Protection Program WRPP, $250,000.00 for one project	
2.4	Roadway Stormwater Management	Manage stormwater on local and forest roads on public land to reduce runoff and flooding potential Complete 10-15 road miles per year	BCCD, DCNR, PGC, Municipalities	Roads on SGL and State Forest Roads, Areas with known flooding issues	2024+	Funding to develop guidance and implement project on identified areas Resistance to utilize different methods	Technical guidance and details	PennDOT, DCNR, CDGR	Current roadway maintenance funds	PennDOT, municipalities, DCNR, CDGR	N/A	N/A	Funding for upgrades	DCED Flood Mitigation Program, DCED Watershed Restoration and Protection Program WRPP $150,000.00 per year	
2.4a *	Culvert Replacement and Flood control BMP's	Replace undersized culverts that cause issues within the watershed and assist flood control abilities with new or maintenance to existing controls	County, Engineers, TU	County Targeting high flood frequency areas	2022-2025	Funding, Participation and Implementation of Municipalities	Technical Guidance	TU, PennDOT	Funds to complete replacements	Municipal funds, TU CDGR	Permitting, design, H&H, Identifying culverts in need of upgrade	Private Consultants, PennDOT, County	Funding Replacement and permitting process	DCED Flood Mitigation Program, DCED Watershed Restoration and Protection Program WRPP	

		10 culverts per year, additional can be completed based upon project size and funding allotment												$500,000.00 per year
2.4b	Culvert Size and Flood Control Educational Program	Culvert sizing education and flood control program for county staff and private contractors.\n\n2 in person programs per year	County, Engineers, TU	County\n\nTargeting high flood frequency areas	2022-2025	Funding, Participation	Educational Materials and set up for stakeholder meetings	TU, BCCD	Funds to create handouts and meeting space rental	TU, County Funds	Program coordinator	TU, BCCD	Funding Education	Growing Greener Education Grant\n\n$15,000.00 per year

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

1. Inputs – These are both existing and needed resources, public and private, to implement the identified priority initiative. These include both technical and financial resources, such as personnel, supplies, equipment and funding.

2. Process – what is each partner able to do where and by when. These are the action items listed under each priority initiative.

3. Outputs and outcomes – both short and long-term. These are the priority initiatives identified by each county.   The performance targets are the intermediate indicators that will measure progress.

4. Implementation challenges – any potential issues or roadblocks to implementation that could impede outputs and outcomes.

Asterisk: Place an asterisk next to the action number(s) for action items that appear in both the County Planning and Progress Template and the Programmatic Recommendations Template.

For each Priority Initiative or Program Element: Use the fields, as defined below, to identify the inputs and the process that will be followed to achieve each priority initiative. This is the "who, what, where, when and how" of the plan:

Description = What. This may include programs that address prevention, education, or as specific as planned BMP installations that will address the Priority Initiative. A programmatic or policy effort will require some ability to quantify the anticipated benefits which will allow calculation of the associated nutrient reductions.

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.

Responsible Party(ies) = Who. This is/are the key partner(s) who will implement the action items though outreach, assistance or funding, and who will be responsible for delivering the identified programs or practices.

Geographic Location = Where. This field identifies the geographic range of the planned implementation. This could extend to the entire county or down to a small watershed, based on the scale of the Priority Initiative, range of the Responsible Party, or planned funding/resources. *NOTE: Resource limitations alone should not limit potential implementation as additional funding may become available in the future.*

Expected Timeline = When. Provide the expected completion date for the planned activity. This should be a reasonable expectation, based on knowledge and experience, that will aid in tracking progress toward addressing the Priority Initiative.

Resources Available: Technical & Funding = This field will note technical and financial resources secured/available to implement the program (Description). This is the total of the resources identified in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if available, to each action.

Resources Needed: Technical & Funding = This field will note technical and financial resources needed/outstanding to implement the program (Description). This is the total of the additional resources projected and identified as needed in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if possible, to each action.

Potential Implementation Challenges/Issues = This field will note challenges and issues that may delay program implementation (Description).