

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	MS4 Community Partnership Projects	Partner with MS4 Communities to assist with sediment and nutrient removal projects.	LCCD, County Planning	MS4 Communities	2021- on going	Cost of implementation and development of partnership.	Program Guidance, project design	DEP, Engineers, consultants	Cost of implementations	Municipal funds, other grant funds	Provide input and identify possible cooperative efforts for project implementation and enhancement	LCCD Watershed specialist & additional LCCD outreach staff member.	Dedicated and sustainable funding source for district staff position and implementation of projects \$20,000 per year for staff (1/4 FTE) \$150,000 per year	State and Federal grant funding	
2.1a*	Collecting existing and planned PRPs from MS4 Permittees	Meet with MS4s within Lackawanna to collect existing and planned PRP's to quantify data.	Municipalities, LCCD, PennDOT	MS4 Communities	2021- ongoing	Staffing to collect and report existing pollution reduction plans.	Knowledge of existing MS4 permits	DEP, MS4 coordinators	N/A	N/A	Dedicated staff to compile existing data and complete outreach to MS4 permittees, and data entry.	LCCD Outreach staff member	Dedicated and sustainable funding source for district staff position \$40,000 per year for staff person (1/2 FTE)	State and Federal grant funding	
2.2*	Existing Stormwater BMP retrofit	Upgrade and maintain existing basins and	Municipalities, LCCD, School	Existing sites within the County	2022-2025	Funding; identifying suitable facilities	Example projects, Guidance	LCCD, Consultants	Municipal/ authority funds	Local taxes and fees	Site data collection; Design	Consultant services, LCCD	Dedicated and sustainable	Growing Greener, state	

	and maintenance Program	drainage systems to improve function. <u>5 projects per year</u>	Districts, Landowners	Recreational and Industrial Properties, Landfill			documents, development of planting specs, landowner project coordination				development, landowner outreach, and permitting	Watershed specialist	funding source for staff position(s) and implementation funds \$20,000 per year for staff (1/4 FTE) \$750,000 per year	and local grants, DCED Watershed Restoration and Protection Program WRPP DCED Flood Mitigation Program (FMP)	
2.2a *	Development of Stormwater Design and Retrofit on Municipal owned Subdivision Basins	Design and Retrofit PCSM on older developments with subdivision basins released to municipalities. <u>2 projects per year</u>	Municipalities, Engineers,	Jefferson Township, other released sites	2021-2025	Cost of upgrades to existing facilities	Engineering support, technical documents	Engineers,	Funding to complete upgrades	Penn VEST, Growing Greener, Private funding	N/A	N/A	Funding to implement upgrades to existing stormwater features \$500,000 per year	Grant funding	
2.3*	Roadway Stormwater Management	Implement new BMP guide for Supervisors and PennDOT to reduce runoff from roadways and minimize nutrient carrying capacity. <u>Assess 15 miles per year</u>	LCCD, DCNR, PGC, Planning Department, Municipalities	County Roadways	2021-2025	Follow through on protocol and lack of updates with new techniques.	Training design manuals	CDGLVR, PennDOT	BMP implementations on roadways	State and municipality funding	Technical guide and reference material, Additional project identification, design, permitting, and implementation	Consultants, engineers, municipalities	Cost associated with additional BMP implementation and project identification \$300,000 per year	CDGLVR Funds, PennDOT, Municipal funding DCED Watershed Restoration and Protection Program WRPP DCED Flood Mitigation Program (FMP)	
2.3a	Street Sweeping	Increase the miles of streets swept per year and increase	COG; County Planning	Countywide	2022-2025	Cost of implementation and municipality involvement,	Contracted street sweepers,	Private Companies	Cost of street sweeping	Municipal funds	Cooperative agreement with multiple municipalities	County Planning; COG,	Funds to purchase or rent sweeper	Growing Greener; Penn VEST	

		opportunity for additional municipalities to utilize management practice. Includes tracking of miles of roadway completed for reporting.				Potential to share with adjacent municipalities	Corps Of America				to share labor and/or equipment Coordination of sharing employees and/or equipment	Municipal staff	\$150,000 for new street sweeper		
2.4	Residential Stormwater Management and Rain Barrel Program	Develop Educational outreach and material Program for residential and small commercial properties. BMPs include: Bioretention/Rain Gardens and Rain Barrels <u>2 workshops per year</u>	LCCD, PSU Extension MWS	County	2022-2025	Funding for materials; resistance to participation; maintaining use	Existing example programs and educational materials	Various counties, PSU Extension	Cost of project implementation	Private Funds	Rain barrels, Rain gardens, and associated small rain mitigation project materials, educational programs	LCCD, PSU Extension Master Watershed Stewards	Funding for materials \$50,000 per year	Local grants; Growing Greener DCED Watershed Restoration and Protection Program WRPP DCED Flood Mitigation Program (FMP)	
2.5	Nutrient and Fertilizer Planning for Turf Grass	Develop and implement plans and guidance for application on Turf Grass areas. Host contractor and landscaper workshops. <u>Achieve 200 planned acres per year</u>	LCCD, PSU Extension, NRCS	County Turf Grass Areas	2024+	Reporting and lack of participation. Guidance, regulations	Guidance documents	Green Section's Turfgrass and Environmental Research Program USGA	N/A	N/A	Example plans, outreach, Enforcement	Local government, consultants	Dedicate funds to launch the program and implement BMPs \$200,000 per year	Local Grants Growing Greener	

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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 through 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).