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	Create Act 167 Plan	Make all SWM Ordinances consistent with County Stormwater Management Plan and implement	County Planning, Municipal Government	County	2023	Funding, Resistance, Local Enforcement, Education	Local engineers to provide insight and guidance	Engineers, DEP	Funding for creation and implementation	Review fees	Review of plan and approval of documents, technical guidance and	Consulting engineer	Review fees, and cost of plan creation and development	Grant Funding, County funds, DEP Funding $35,000 for plan completion	
2.2*	Flood Mitigation	Mitigate flooding by completing proper stormwater management and managing headwaters of streams. **Increasing Culvert sizes where need be to mitigate flooding and washout. Assess and upgrade 10 projects per year. Projects include culvert installation, storm drain cleaning, floodplain reconnection, etc.	Landowners, TCCD, County Planning	Developed areas within the county	2022-2025	Funding and Participation from municipalities	Technical guidance	TU, PennDOT	Funds to complete replacements	Municipalities, PennDOT, TU, CDGLVR	Permitting, design, implementation	County Planning, engineers, private consultants	Funding for upgrades and management $500,000 per year	DCED Flood Mitigation Program FMP, DCED Watershed Restoration Protection Program WRPP	

2.2a	Parking Area Stormwater Management	Utilize Green basins, rain gardens, curbing and permeable pavement management stormwater on parking lots. Evaluate and upgrade 5 parking lots a year	COG; County Planning, TCCD,	Developed areas and parking lots	2022-2025	Cost; owner involvement	BMP Manuals, technical guidance documents	Engineers, PSU Extension, NRCS,	Funds to complete BMP implementation or transition	Private funds	Permitting, design, implementation	County Planning; COG, engineers, private consultants	Costs associated with upgrades or BMP implementation. $150,000 per year	Growing Greener; Penn VEST, DCED Flood Mitigation Program FMP
2.2b	Residential Stormwater Management	Develop residential and small commercial property stormwater maintenance and management BMP's for implementation Implement 50 residential projects a year BMP's include rain gardens, rain barrels, etc.	TCCD	County developed communities	2022-2025	Funding for materials; resistance to participation; maintaining use	Existing example programs	Various counties	Private BMP implementation	Private funds	Permitting, planning, construction, and maintenance	Private consultants, engineers, contractors	Funding for materials and maintenance activities $50,000 per year	Local grants; Growing Greener, DCED Flood Mitigation Program FMP, DCED Watershed Restoration Protection Program WRPP
2.2c	Existing Stormwater BMP retrofit Program	Upgrade existing basins, drainage systems to improve function Evaluate and upgrade 5 projects per year	Municipalities, landowners, rec properties	Existing sites	2022-2025	Funding; identifying suitable facilities and complete maintenance and upgrades	Example projects, Guidance documents	DEP, PSU Extension	Implementation costs	Private landowners	Site data collection; Design development, and implementation	Consultant services, contractors	Design funds, construction funds $250,000 per year	Growing Greener, local grants, DCED Flood Mitigation Program FMP, DCED Watershed Restoration Protection Program WRPP
2.2d	Stormwater Management Education	Educational and outreach Program for Residential Stormwater management and	TCCD	County	2023+	Funding for Educational events/outreach	Existing Educational Materials	PSU Extension	N/A	N/A	Educational materials and event organization	TCCD, Master Watershed Stewards,	Cost for program development and outreach	Local grants; Growing Greener Education Grant,

		How-to presentations. 2 programs per year										Penn State Extension	and education events $15,000 per year	DCED Flood Mitigation Program FMP, DCED Watershed Restoration Protection Program WRPP
2.3	Nutrient and Fertilizer Planning for Turf Grass	Develop and implements plans and guidance for Turf Grass 25 acres per year	TCCD, PSU Extension, NRCS,	County	2024+	Reporting and Lack of participation due to no enforced planning.	Guidance documents,	Golf course planning, PSU Extension	Funds for plan development	Private funds	Example plans, outreach, Enforcement, education of importance, and plan writing	Local government, consultants, TCCD	Dedicate funds to launch the program and start planning $50,000 per year	Local Grants, NRCS, Growing Greener Education Grant
2.3a	Turf Grass Reduction	Transition Turf grass to no mow planting areas with trees or habitat plantings 3 acres per year	Municipalities, landowners, rec properties	County turf grass areas	2022-2025	Funding and Participation	Plantings and technical guidance documents	PSU Extension, K-10, NRCS	Planting materials and trees	K-10	Planting area identification, planning, and implementation	TCCD, NRCS, Contractors, volunteers	Costs associated with installation and management $30,000 per year	Growing Greener
2.4	Roadway Management	Reduce roadway runoff and the use of salt to better improve roadways and reduce sediment and nutrient runoff into streams 10 miles of road per year	TCCD, DCNR, Municipalities, PennDOT	County	2022-2025	Funding and Participation, Validation of alternative applications	Beet Juice Application	Private trials	Existing roadway treatment materials	State allocated funds	Identifying alternative applications, feasibility studies	Private consultants and technical planners	Cost for management transition application and feasibility $250,000 per year	State funds, DCED Flood Mitigation Program FMP, DCED Watershed Restoration Protection Program WRPP

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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).