		Green - action has been com	pleted or is movin	g forward as pl	anned <u>Yel</u>	ow - action has encour	tered minor obstac	les <u>Red</u> - ac	ction has not b	een taker
Action	Description	Performance Target(s)	Responsible	Geographic	Expected	Potential				
#			Party(ies) and	Location	Timeline	Implementation		Resources Ava	ailahla	
			Partnerships			Challenges or		Resources <u>Ava</u>		
						Recommendations				
							Technical	Source	Financial	Source

	Phase 3 Watershe	ed Implementation Plan	(WIP) Planning	and Progre	ss Templa	te								
		Green - action has been cor	npleted or is movin	g forward as pl	anned <u>Yel</u>	ow - action has encour	ntered minor obstac	les <u>Red</u> - ac	tion has not	been taken	or has encounte	red a serious l	parrier	
Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations		Resources <u>Ava</u>	<u>iilable</u>			Resourc	es <u>Needed</u>	
							Technical	Source	Financial	Source	Technical	Suggested Source	Financial	Suggested Source
Priori	ty Initiative 1: Fertiliz	er Management				1	1					1		
1.1	Implement conservation and nutrient management plans	Agriculture	CCCD, Farmers, Consultants	Countywide	Ongoing	Landowners buy-in, funding	CCCD, NRCS		REAP, Growing Greener				CAP Grant	DEP
1.1a	Review 2 Nutrient Management Plans per year	Agriculture	CCCD, SCC, consultants	Countywide	Ongoing		CCCD							
1.1b	Review 5 Nutrient Balance Sheets per year	Agriculture	CCCD, Consultants	Countywide	Ongoing		CCCD							
1.1c	Write 10 Ag E&S Plans per year	Agriculture	CCCD	Countywide	Ongoing		CCCD		СВР					
1.1d	Track use of variable rate nutrient application	Agriculture	CCCD, Farm Service Agency	Countywide	Ongoing	Agreements needed with FSA to share data	CCCD, FSA							
1.2	Expand soil testing	Agriculture	CCCD, Farmers, PASA	Countywide	Ongoing	Funding			Ed grants	PACD			CAP Grant	DEP
1.3	Increased adoption of no- till & conservation tillage	Agriculture	CCCD, Farmers	Countywide	2025	Lack of acceptance from farmers	CCCD,NRCS		REAP				CAP Grant	DEP
1.4	Education for homeowners on residential fertilizer	Residential	CCCD, Residents	Countywide	2025	Develop outreach materials targeted towards residential users	CCCD		PACD Ed. Grants		graphic design & marketing specialists		CAP Grant	DEP
1.5	Streambank Buffers													
1.5a	Forested Buffers with fencing	Agriculture 510 total acres	CCCD, Landowners	Countywide	2025	Landowners not willing to sacrifice production area Potential Focus Area-Mud Creek WS	CCCD, NPC, Growing Greener						CAP Grant	DEP
1.5b	Grass Buffers with fencing	Agriculture 170 acres	CCCD, Landowners	Countywide	2025	Landowners not willing to sacrifice production area Potential Focus Area-Mud Creek WS	CCCD, NPC, Growing Greener						CAP Grant	DEP

Priori	ty Initiative 1: Herbio	cide Management & IP	Μ							1	
2.1	Cover crops as natural weed suppressant	Agriculture 17,000 acres	CCCD, Farmers, Consultants	Countywide	Ongoing	Funding, Lack of landowner buy-in	CCCD, NRCS		Growing Greener Grant \$90,000		
2.1a	Expand base acres to promote cover crops	Agriculture	CCCD, Farm Service Agency	Countywide	Ongoing	Agreements with FSA to share data	CCCD, FSA				
2.2	Expanded adoption of planting green & rolling covers	Agriculture 1,000 acres per year	CCCD, Farmers, PASA	Countywide	Ongoing	Funding, need for new equipment @ 12-75 thousand dollars based on operation size	CCCD, NRCS		Growing Greener Grant \$10,000		
2.3	Pesticide education for farmers and residential applicators	Agriculture 100 residents per year	CCCD, Farmers, Residents, PSU Ext.	Countywide	2025	Funding	CCCD,NRCS, PSU Ext.				PSU Extension, Marketing consultant
Priori	ty Initiative 2: Devel	oped Stormwater									
1.1	Inventory/improvements for point source pollution such as WWTP, industry, septic	Identify Runoff Reduction Areas	CCCD, DEP, CMCSWP, municipalities, BU	Urban and developed areas	2025	Funding, Available staff	Data retrieval	DEP	None		Data retrieval
1.2	Inventory/improvements f or non-point source pollution such as buffer plantings, forest connectivity	Identify Runoff Reduction Areas Buffer Plantings – 25 acres Forest Plantings – 2350 acres	CCCD, DEP, municipalities, DCNR, USFWS, BU	Urban and developed areas	2025	Funding, buy in, lack of interest	Landscaping, botany	USFWS, PFBC, DCNR, NRCS, Penn State Master gardeners	10 Million Trees	CAP, DEP, DCED, DCNR, CBF, PACD	Landscaping botany
1.3	Inventory/improvements or non-point source pollution via DGLVR roads	Identify Runoff Reduction Areas DGLVR – 12 miles	CCCD, DEP, municipalities, DCNR, USFWS, TU	Urban and developed areas	2025	Funding, buy in, lack of interest	DGLVR program Stream structure construction	USFWS, PFBC, DCNR, NRCS, C-SAW	\$400k/yr	CAP, DEP, DCED, DCNR,	DGLVR program Stream structure construction
1.4	Consider existing plan recommendations/policies such as MS4 pollution	Identify Runoff Reduction Areas 60 acres	CCCD, DEP, CMCSWP, municipalities,	Urban and developed areas	2025	Funding, MS4 permit requirements	Planning, design, construction	Co. Resiliency, Co.	Program funds	Co. Resilienc y,	Planning, design, constructio

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PSU \$2,500	PACD Ed.
Extension,	Grants
Marketing	
consultant	
Data CCCD, DEP \$10k/yr intern retrieval	CAP, DEP, DCED
CAP,Landscaping,USFWS,\$100kDEP,botanyPFBC,DCED,DCNR,DCNR,NRCS,CBF,Penn StatePACDMastergardeners	CAP, DEP, DCED, DCNR, CBF, PACD
r CAP, DGLVR USFWS, \$200k/yr	CAP, DEP, DCED, DCNR,
DEP,programPFBC,DCED,StreamDCNR,DCNR,structureNRCS,constructionC-SAW	
DCED,StreamDCNR,DCNR,structureNRCS,constructionC-SAW	
DCED, DCNR,Stream structure constructionDCNR, NRCS, C-SAWCo.Planning,Co.\$100k	САР
DCED,StreamDCNR,DCNR,structureNRCS,constructionC-SAW	

	reduction plans, road salt and herbicide use		Co. Resiliency office					Planning, Penn State Ext, Private sector, municipaliti es C-SAW		Municipa lieis		Planning, Penn State Ext, Private sector, municipalit ies C-SAW		
1.5	Promote green infrastructure projects such as bioretention, rain gardens, downspout planters, pervious pavement	Identify Runoff Reduction Areas 100 acres	CCCD, DEP, CMCSWP, municipalities, Co. Resiliency office, Chamber	Urban and developed areas	2025	Funding, Buy in from municipalities, businesses	Contacts, Planni ng, design, construction	Chamber, Private sector	grants	DCED, Giant, other corporati ons	Contacts, Pla nning, design, construction	Chamber, Private sector	\$100k	CAP, DCED, Giant, other corporation s
1.6	Education and Outreach materials/events	Identify Runoff Reduction Areas	CCCD, CMCSWP, Watershed Groups	Urban and developed areas	2025	Volunteers to help run events, funding, develop materials	CCCD webinars, presentations, materials, venue, and equipment i.e.: rain barrel workshop, downspout planter demo	BU, CCCD, Gov agencies, private sector	Grants, program funds	DEP, PPL, PACD, voluntee r groups, municipa lieis	CCCD webinars, materials, venue, and equipment, graphic design	BU, CCCD, Gov agencies	\$25k	DEP, PPL, PACD, volunteer groups, penn St. ext
2.1	Develop model ordinance template to improve water quality and sw mgmt	Revise Ordinance Requirements Imapct goal: 50acres	CCCD, Co. Planning, Centr e Co. CD, municipalities	County- wide	2025	Funding, Buy in	Co. Planning	Co. Planning, Private sector			Planning consultant		Consultant fees	Growing Greener, NFWF, CAP, DCED
2.2	Promote low impact development/greywater use	Revise Ordinance Requirements Impact goal: 2200 acres	CCCD, Co. Planning, municipalities, Chamber	Urban and developed areas	2025	Funding, Buy in	Co. planning	Co. planning , private sector			Planning consultant		Consultant fees	Growing Greener, NFWF, CAP, DCED
2.3	Promote CAP practices and goals	Revise Ordinance Requirements Impact goal: 500 acres	CCCD, Co. Planning, municipalities	County- wide	2025	Funding, Buy in	Co. planning	Co. planning , private sector			Planning consultant		Consultant fees	Growing Greener, NFWF, CAP, DCED
2.4	Education and Outreach	Revise Ordinance Requirements	CCCD, Co. Planning, municipalities	County- wide	2025	Funding, Buy in	CCCD, Gov agencies, stream table	CCCD, stream table			Staff to hold twp meetings/ demo	CCCD	Developing event materials	PACD, Penn State Ext

1.1	Wetland/Floodplain Conservation	60 acres - Wetland restoration and/or preservation	CCCD	<ol> <li>Above Camp Lavigne/Gary Cook,</li> <li>Foundryville/Gle</li> <li>n Brook</li> <li>Summerville,</li> <li>ESPY,</li> <li>Back Branch</li> <li>area,</li> <li>Oville</li> <li>confluence,</li> <li>above FC</li> <li>Cabin area,</li> <li>Pealertown/zane</li> <li>rs/stillwater</li> <li>Parrs Mill</li> <li>area,</li> <li>Beaver twp,</li> <li>Mainville</li> </ol>	2025	More technical support for delineations, funding, design work Landowner agreements	Planning, design, construction	USFWS, Land Trusts, NRCS, GG, CCCD	NRCS program	USFWS, Land Trusts, NRCS, GG NRCS program	Planning, design, construction	USFWS, Land Trusts, NRCS, GG, CCCD	\$50k	USFWS, Land Trusts, NRCS, GG NRCS program, CAP
2.1	Riparian Buffers	1000 acres - Riparian Buffer plantings	CCCD	County- wide – where canopy is not present along waterways	2025	Maintenance	Long-term maintenance funding or labor Planning, design, construction	CBF, DCNR, PACD, GG, Private sector, CCCD	10M trees	CBF, DCNR, PACD, GG	Long-term maintenance funding or labor Planning, design, construction	CBF, DCNR, PACD, GG, Private sector, CCCD	\$50k	CBF, DCNR, PACD, GG, CAP
2.2	Riparian Buffers	1000 acres - No Mow zones	CCCD	County- wide – developed and roadside areas	2025	DCNR Lawn conversion, Landowner buy in, Municipality cooperation	Funding and technical assistance for pollinator enhancements, Ordinance updates	Municipaliti es, legal, planning, CCCD			Funding and technical assistance for pollinator enhancemen ts, Ordinance updates	Municipalit ies, legal, planning, CCCD		CAP, DEP, CBF
2.3	Riparian Buffers	Japanese Knotweed removal and invasive species treatments	CCCD	County- wide	2025	Need aquatic-safe treatment products, continual treatments and monitoring	Planning and labor/equip for proper removal	CBF, DCNR, PACD, GG, Private sector, CCCD		CBF, DCNR, PACD, GG	Planning and labor/equip for proper removal	CBF, DCNR, PACD, GG, Private sector, CCCD	\$100k	CBF, DCNR, PACD, GG, County, CAP
3.1	Streambank Stabilization	13,000 feet - Grading banks back for floodplain access	CCCD	Throughout Fishing Creek WS, Roaring Creek WS, Chilli Creek WS	2025	Permits required	Planning, design, construction	CCCD, DEP, Private Sector	Grants and program s	GG, CAP, County	Planning, design, construction	CCCD, DEP, Private Sector	\$25k	GG, CAP, County, CBF
3.2	Streambank Stabilization	13,000 feet - In-stream habitat structures	CCCD	Throughout Fishing Creek WS, Roaring	2025	Permits required	Planning, design, construction	GG, NPC, TU, CCCD, NRCS	Grants and program s	GG, CAP, County	Planning, design, construction	GG, NPC, TU, CCCD, NRCS	\$50k	DEP, GG, CAP,

3.3	Streambank Stabilization	5000 ft - Livestock exclusion fencing Increase landowner outreach and develop outreach handouts	CCCD	Creek WS, Chilli Creek WS County- wide – see ag BMPs County- wide	2025	Water access Water access Reaching landowners, changing "traditional" views	Planning, design, construction Layout, concept	GG, NPC, TU, CCCD, NRCS Private sector, DEP, PACD	Grants and program s Grants and program s	GG, DEP, CAP DEP EE, PACD NPS	Planning, design, construction Advertising assistance, graphic design	GG, NPC, TU, CCCD, NRCS Private sector, DEP, PACD	\$25k \$2k	GG, DEP, CAP DEP EE, PACD NPS
4.2	Education and Outreach	Develop StoryMapping tour(s) on website	CCCD	Online	2025	Funding for annual fees and update websites, Learning curve, drone use, showcase projects and programs	Show at conferences, fair, watershed meetings, post online	Private sector, County GIS, DEP, CCCD	Grants and program s	DEP EE, County GIS	Show at conferences, fair, watershed meetings, post online	Private sector, County GIS, DEP	Develop to promote programs and showcase projects	DEP EE, County GIS
4.3	Education and Outreach	Stream redesignation studies	CCCD	Fishing Creek WS Briar Creek WS Roaring Creek WS	2025	Funding for more staff to monitor streams and update listings	Training, interns to monitor	DEP, PFBC	Grants and program s	DEP	Training, interns to monitor	DEP, PFBC	\$20k	DEP, CAP
Priori	ty Initiative 4: Prese	rvation of Natural Area	IS											
1.1	Preserve farms through the Farmland Preservation Program	Limit Development in Ag/Natural Areas 1 farm/year or 2,200 acres	CCCD, Farm Bureau, FSA, NRCS	County- wide	2025	Funding	Legal Advice Program admin knowledge	Lawyer CCCD	\$180k/yr \$1200/ acre	PDA	Legal Advice Program admin knowledge	Lawyer CCCD	Increase funding to \$400k/yr \$2000/acre	САР
1.2	Partner with conservancies and agencies to establish conservation easements	Limit Development in Ag/Natural Areas 1,000 acres	CCCD, NPC, DCNR, PGC,	County- wide	2025	Funding	NPC, PGC, legal	Partners, Lawyer, CCCD		DCED, DCNR	NPC, PGC, legal	Partners, Lawyer, CCCD	Funding to help encourage match	САР
1.3	Promote open space and recreation through trail development/maintenanc e, public stream access	Limit Development in Ag/Natural Areas Support existing and add .5 acre new each year	CCCD, DCNR, PFBC, CMVB, BU	County- wide	2025	Funding	planning	USFWS, CMVB, CCCD	grants	NFWF, County Tourism			grants	NFWF, County Tourism
1.4	Limit sprawl through planning and zoning	Limit Development in Ag/Natural Areas	CCCD, Co. Planning, municipalities	County- wide	2025	Funding, buy in	Co. Planning		grants	DEP, DCED, CAP	Co. Planning		grants	DEP, DCED, CAP

	50 acres												
Education and Outreach	Limit Development in Ag/Natural Areas	CCCD, municipalities, watershed groups	County- wide	2025	Funding	Presentations, webinars, handouts	CCCD	Developi ng event materials	DEP, PACD, CAP	Presentation s, webinars, handouts, graphic designer	CCCD	\$2k	CAP, PACD
Promote/assist landowners with habitat implementation such as field borders, pollinator strips, bird boxes, wetland restoration, etc.	Promote Implementation of Woodland and Pollinator Habitat 2 acres of tree plantings	CCCD, NRCS, DCNR,	County- wide	2025	Funding	Botany, forestry, landscape design, ecology	NRCS, DCNR, Penn State Ext , Private sector	10 Million trees	DEP, PACD,DC NR, CAP, CBF	Botany, forestry, landscape design, ecology	NRCS, DCNR, Penn State Ext , Private sector	\$25k	DEP, PACD,DCNR CAP
Incentivize invasive species management removal and native replacements	Promote Implementation of Woodland and Pollinator Habitat 250 acres	CCCD, NRCS, DCNR	County- wide	2025	Funding	Botany, forestry, landscape design, ecology	DCNR, NRCS, Penn St Ext	10 Million trees	DEP, CAP, NFWF, CBF	Botany, forestry, landscape design, ecology	DCNR, NRCS, Penn St Ext	\$25k	САР
Education and outreach materials/events	Promote Implementation of Woodland and Pollinator Habitat	CCCD, NRCS, Penn State Ext				Botany, forestry, landscape design, ecology	Penn St Ext	Developi ng event materials	DEP, CAP, PACD	Botany, forestry, ecology, graphic design	NRCS, DCNR, Penn State Ext ,	\$2k	САР
	Promote/assist landowners with habitat implementation such as field borders, pollinator strips, bird boxes, wetland restoration, etc. Incentivize invasive species management removal and native replacements Education and outreach	Image: second	Image: constraint of the second sec	Image: constraint of the second sec	Image: constraint of the second sec	Image: constraint of the second sec	Image: constraint of the constra	Image: constraint of the constra	Image: constraint of the constra	Education and OutreachLimit Development in Ag/Natural AreasCCCD, municipalities, watersheed groupsCounty- wide2025FundingPresentations, webinars, handoutsCCCD peevelopiDEP, PACD, materialsPromote/assist landowners with habitat implementation of landowners with habitat implementation set or set	Education and OutreachLimit Development in Ag/Natural AreasCCCD, municipalities, watershed groupsCounty- wide2025FundingPresentations, webinars, handoutsCCCD peevelop materialsDEP, presentations, webinars, handouts, graphic designerPresentations, webinars, handoutsCCCDDevelop mg event persentations, webinars, handouts, graphic designerPresentations, webinars, handoutsCCCDDevelop mg event persentations, webinars, handouts, graphic designerPresentations, webinars, handouts, graphic designerCCCDDevelop mg event persentations, webinars, handouts, graphic designerPresentations, materialsCCCDDevelop mg event persentations, webinars, handouts, graphic designerPresentations, materialsCCCDDevelop mg event presentations, webinars, handouts, graphic designerDevelop materialsDEP, Medust, graphic designerPresentations, webinars, handouts, graphic designerPresentation, sectorsCCD, PACD, DEP, DEP, CBFDep, PACD, PACD, PACD, Pacestry, locascape design, ecologyDep, and presentation, ecologyDep, and presentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentation, sectorPresentati	Image: constraint of the constra	Image: constraint of the constra

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

## 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).