

EPA Region 5

Fiscal Year 2024 Climate Adaptation Implementation Plan Addendum

September 30, 2024

Overview:

In September 2021, the Environmental Protection Agency (EPA) released its Climate Adaptation Action Plan which outlines the adaptation actions the Agency will take to fulfill its mission to tackle the climate crisis and advance equity. To further integrate adaptation and build resilience, EPA Region 5, along with EPA's major National Programs and other Regional Offices, released Climate Adaptation Implementation Plans in October 2022. The EPA Region 5 Climate Adaptation Implementation Plan (CAIP) includes numerous Priority Actions (PAs) and set targets through Fiscal Year (FY) 2023.

Region 5 has updated its CAIP to expand the PAs into FY24 (see Appendix 1). The update builds on past success and further institutionalizes climate adaptation into the Region's work. The PAs in Appendix 1 are not an exhaustive list of all climate adaptation actions occurring in Region 5; they are a subset of activities identified by staff and management across all divisions as priorities to incorporate adaptation into their work. Additional climate adaptation (and mitigation) work is occurring throughout the programs.

FY24 Climate Adaptation Required Focus Areas

In FY24, the Office of Policy's (OP) Climate Adaptation Program required all National Program and Regional Offices to focus efforts on actions that:

1. Integrate climate adaptation considerations into Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA) investments;
2. Integrate Indigenous Knowledge (IK) into EPA activities, projects, and decisions; and
3. Increase the climate literacy of staff and external partners.

Region 5 is working to fulfil these requirements as follows:

Integrate Climate Adaptation into BIL and IRA Investments

EPA, as laid out in its FY 2022-2026 Strategic Plan, has committed to modernizing its financial assistance programs to encourage climate-resilient investments. To champion this effort, EPA created the Resilient Infrastructure Subgroup on Climate (RISC). The group is developing tools and resources including adaptation-focused evaluation criterion, funding opportunity language, and a clearinghouse of examples for EPA staff to utilize and incorporate during grant program development. The Region 5 Climate Adaptation Coordinator participates on RISC, supporting the development of technical resources and decision support for federal funding recipients. Region 5 is promoting materials developed by RISC across regional platforms. The intent is to build awareness and drive the usage of these tools.

Complementing the RISC effort, the Region 5 Water Division (WD) has a PA to ensure that the BIL funded Gulf Hypoxia Program considers climate resiliency within Tribal/state work plans and reports. This includes assessing the number of new grant workplans and/or progress reports that

include how climate resiliency will/has been addressed with BIL funds.

Additional examples of how Region 5 is integrating climate adaptation in BIL and/or IRA funded projects are discussed below.

EPA's BIL-funded Water Technical Assistance program has 8 active projects in Region 5 related to climate adaptation. The assistance provided on these projects covers three climate adaptation related topics: 1) green infrastructure planning to support local government climate resiliency plans, 2) stormwater infrastructure planning and funding acquisition support to address urban and suburban flooding from increased precipitation, and 3) funding acquisition support for backup energy generation at a wastewater treatment facility for extreme weather resiliency.

Region 5's Brownfields programs is collaborating with grantees on how their BIL-funded Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 128(a) State and Tribal Response Program grants will address climate and environmental justice (EJ) concerns in underserved communities. Brownfields staff are managing BIL-funded cleanup grants ensuring grantees are considering climate resilience principles when proposing analyses of brownfields cleanup alternatives.

The Region 5 Superfund program is incorporating EPA's Office of Land and Emergency Management's proposed Greener Remedial and Climate Resilience contract provisions into upcoming EPA-led site work at the task order level. This will require a portion of BIL-funded remedial acquisitions adhere to modern climate-friendly standards, including climate vulnerability assessments factored into all phases of the remedial process.

BIL funding is primarily supporting the Great Lakes National Program Office's (GLNPO) efforts to delist Areas of Concern in the Great Lakes through sediment remediation and restoration projects. GLNPO is taking active measures to ensure these projects are designed to be resilient to potential impacts of climate change, including consideration of sustainability and long-term benefits under changing climate conditions.

Integrating climate considerations across all phases of the financial assistance process is the long-term goal, as laid out in the agency's Adaptation Action Plan. We will continue to seek opportunities to invest in climate-smart projects and integrate climate into our financial mechanisms.

Consider Indigenous Knowledge in Projects and Decisions

Region 5 is home to 36 federally recognized Tribal nations. All have unique history, culture, and traditions derived from their long-term experiences, intergenerational connections, and geography. Indigenous Knowledge is the place-based body of observations, oral and written communication, innovations, practices, and beliefs developed by Tribes through interaction with the environment.¹ This accumulated ecological insight can be a resource for understanding our changing climate and

¹ Office of Science and Technology/Council on Environmental Quality. Guidance for Federal Departments and Agencies on Indigenous Knowledge. www.whitehouse.gov/wp-content/uploads/2022/12/OSTP-CEQ-Indigenous-Knowledge-Guidance.pdf

supporting effective decision making. When such knowledge is entrusted to us, the Region should respectfully consider and incorporate IK, as appropriate, to support Tribal resilience.

One of the Region 5 Tribal & International Affairs Office PAs focuses on training EPA staff about the work that federally recognized Tribes in the region are already doing regarding climate adaptation, specifically involving IK. As a follow up action to that important work, regional staff are being encouraged to incorporate improved understanding of IK practices into how they request and document climate adaptation information from Tribes. This work is being coordinated with EPA's American Indian & Environment Office.

The Region's Tribal Operations Committee (RTOC) convenes triannually and includes Tribal and EPA Region 5 senior leadership. These meetings include climate as a standing agenda topic and have included sessions on IK and climate change in the past. The Climate Coordinators in Region 5 participate in RTOC and other Tribal meetings to ensure outreach and engagement on climate-related topics such as wildfire smoke, disaster preparedness and hazard mitigation, funding opportunities and adaptation/resilience planning. Additionally, in response to several RTOC action items, an Indigenous Knowledge and Cumulative Impacts workgroup was established. The focus of the workgroup is to develop a region-specific training, building off national training, for EPA staff to understand IK and how it can be integrated into their work.

The Remediation Branch in the Land, Chemicals, and Redevelopment Division (LCRD) is working with the Lac du Flambeau Band of Lake Superior Chippewa Indians on a leaking underground storage tank cleanup at the Tower Standard site. LCRD's work at the site involves considering IK in EPA's cleanup plans, and IK is often a part of weekly meetings that LCRD holds with the Tribe to discuss the cleanup.

Brownfields program staff have worked with Tribal grantees when navigating any historic sites subject to Section 106 of the *National Historic Preservation Act*; this requires Region 5 staff to consult with the Tribe on any cultural, religious ties, or special expertise, including IK, when implementing any work done at a historic site.

The Region looks to continue to support actions to address immediate climate challenges faced by Tribal communities and to strengthen Tribal adaptive capacity. Indigenous Knowledge, when available, will help the Region make informed decisions that respect Tribal sovereignty and support climate resilience. The FY24 PAs complement the larger process leading to an enhanced understanding of climate vulnerabilities facing Tribes.

Increasing Climate Literacy of Staff and External Partners

Climate-literate staff and partners are essential to identify opportunities and champion adaptation integration into our work. To enhance climate literacy, the Region is providing opportunities to internal and external partners on a variety of climate adaptation-related topics.

Internally, Region 5 is focused on continuing its Climate Speaker Series, which hosts scientists, Tribal representatives, academia, non-profit leaders, and others, to bring a broad range of climate related presentations to regional staff and management. The Region's climate workgroup convened a climate retreat to strategically plan and prioritize climate work across program areas. Additionally, the climate workgroup hosted a field trip to Chicago's Climate Museum. Externally, the Region 5

State/EPA Climate Network was established to build a community of practice for Region 5 states and EPA climate professionals to convene partners, foster interagency and interdisciplinary collaboration, communication, and coordination, and exchange best practices.

Engagement on climate related issues across Region 5's programs continues with the goal of raising awareness and furthering the integration of climate adaptation. Several program-specific examples of how we are working to improve climate engagement and increase climate literacy are captured below.

In an effort to prepare and protect our field staff from potential hazards resulting from climate change, Region 5 included specific training modules on Health and Safety Plan Development and Job Hazard Analysis during annual field safety training. These safety-based tools are used to identify hazards, mitigate risk, and implement additional workplace controls prior to engaging in fieldwork.

Region 5 hosts an annual Water Conservation Awareness training opportunity for all staff. This training raises awareness and provides guidance on how each person can make a difference in their daily life, both at work and at home.

The WD is building climate literacy of our partners through climate-focused outreach and technical assistance. Region 5 hosted a training, in partnership with the EPA's Creating Resilient Water Utilities (CRWU) initiative, for states and water sector utilities interested in exploring climate change risks to their systems. This will enhance their capacity to prepare for, respond to, and recover from climate impacts. The WD also promotes other CRWU events and resources both internally and externally, including the Climate Resilient Evaluation Tool (CREAT) exercises to build knowledge of available tools and methods for enhancing resiliency.

The Remediation Branch (RB) in LCRD held a climate change and EJ awareness training for Project Managers. Topics covered included the EPA's Climate Adaptation Action Plan, LCRD PAs, and climate adaptation resources relevant to RB programs. The training also included a demonstration of the R5 LCRD EJ & Climate Vulnerability Screening Tool and how to use the tool to evaluate potential climate change impacts on existing remedies as part of Long-Term Stewardship reviews for corrective action facilities.

Region 5 staff co-hosted a Climate Virtual Workshop designed for brownfields grant & technical assistance recipients that educated viewers on climate change impacts specific to Region 5 states and provided training on the Climate-Smart Brownfields Manual.

The Region 5 Tribal waste management program is developing an online Tribal Climate Resilient Waste Management Planning Tool, or "Tribal Waste CHAMP." This tool will assist Tribes in aligning their waste management, disaster debris management, climate, and hazard mitigation planning efforts to ensure their waste management operations are climate resilient. Region 5 is working with three Tribes to pilot the draft tool and incorporate their input into the tool's design.

Region 5's Superfund and Emergency Management Division (SEMD) has created a digital hub for local climate projects, events, and resources available to the Division. The SEMD climate coordinator has dedicated space in the divisional newsletter and uses it to promote climate-conscious topics, from emerging green construction technologies to digital sobriety, the idea that our computer

behaviors come with carbon costs.

The Region 5 Air & Radiation Division (ARD) is developing and implementing a communications strategy to aid partners during wildfire smoke events. This strategy involves significant collaboration between Tribal, state, and local air programs, and includes enhanced coordination between air quality forecasters and various external communications offices. ARD's wildfire outreach to public health departments and tribal, EJ, and asthma community partners incorporates information on protecting indoor air during smoke events and identifies pertinent air monitoring information. ARD is also supporting communities by providing supplies and informational resources as they host DIY Air Cleaner Demonstration and Construction Workshops for Tribes and communities in Michigan.

Region 5's Environmental Education grants program has numerous projects aimed at increasing climate literacy among the public. A description of each project is provided below.

- The Climate Conversations project is an educational series that discusses the realities of climate change and its disproportionate impact on disadvantaged communities and provides a framework for transformative individual and collective actions. The Climate Conversations project is designed to connect people to the environmental movement and equip them with practical steps and knowledge that facilitate lasting eco-friendly behaviors, systemic changes, and climate justice. To date, 2 Climate Conversations projects have been completed, with more being planned for 2024 through winter of 2025.
- Ohio University and its partners in rural Appalachian Ohio are developing place-based programming to increase climate literacy through interactive lessons and onsite activities. A regional network is being created to provide a shared story of local climate adaptation and resilience.
- The Climate and Health Institute project prepares future public health professionals to address the public health impacts resulting from climate change and increase knowledge and awareness among civic leaders and community members about climate change. Students work with their community partners to develop projects geared toward reducing the negative health effects linked to climate change in communities with EJ concerns and increasing climate resiliency.
- STEM Scholars program is an after-school program and internship designed for high school students interested in STEM, energy efficiency, and EJ. Students learn about the disproportionate impacts of climate change on marginalized communities as well as current ongoing research to mitigate the use of fossil fuels and greenhouse gas emissions with biofuels.

The Office of Regional Counsel (ORC) held an all-staff training on climate change awareness. The training set out the ORC specific PA it is utilizing to integrate climate change adaptation considerations into its operations, described national and regional priority actions generally, and set out resources relevant to integrating climate adaptation considerations into ORC's work.

Through the 2024-2027 *National Enforcement and Compliance Initiatives*, the Enforcement and Compliance Assurance Division (ECAD) is focusing enforcement resources on the existing requirements of some statutes, including the Safe Drinking Water Act, namely America's Water

Infrastructure Act. Under this regulation, regulated entities are required to develop risk and resilience assessments, and emergency response plans. Assuring compliance with these regulations and requirements through compliance inspections helps ensure entities are better prepared and more resilient to manage risks posed to their facility and communities, such as extreme weather events. Through compliance inspections, facility staff are increasing awareness of climate impacts and the risks they pose.

ECAD is also working to educate staff by providing training to inspectors on EPA's CRWU program. CRWU's mission is to provide drinking water, wastewater, and stormwater utilities with the tools and resources they need to increase their resilience to climate change. By educating EPA staff on the resources and concepts made available by CRWU, they are more readily able to convey information to utility staff, whereby increasing their knowledge on climate impacts and adaptation planning

In FY24 and beyond, Region 5 will continue to address our programmatic climate vulnerabilities outlined in the 2022 CAIP. The actions outlined here are just part of a broader continuum of adaptation activities being undertaken. Region 5 stands ready to support the advancement of climate adaptation-related actions across the Region. The sustained efforts of EPA and our partners will work in tandem to build long-term resilience.

APPENDIX 1 - R5 Fiscal Year 2024 Climate Adaptation Priority Actions

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
ARD	Facilitate discussion with State air programs about wildfire smoke forecasting, communications, and documentation, in order to identify best practices and resources for communication, identify information and data collected during events to best support exceptional events demonstrations, and determine ways to be better prepared for future wildfire seasons.	1 meeting per year	Air quality	Expand awareness and preparedness of additional stakeholders (counties, cities, local governments) who can effectively communicate wildfire smoke impacts and how they can be mitigated to the public. Streamline processes related to exceptional event demonstrations to reduce State agency workloads.
ARD	Promote relevant Indoor Air Quality (IAQ) resources on resiliency and/or adaptation (e.g., Indoor airPLUS, IAQ renovation guidelines, IAQ Emergency Preparedness, Response & Recovery (EPRR), integration of IAQ into green building standards), including to stakeholders who serve underserved populations	3 stakeholders/year. At least 1 stakeholder will be a R5 IRA grantee over the two year period.	Air quality	Improve the ability of stakeholders and the public to reduce impacts on IAQ from disasters. Preserve or improve IAQ in all buildings, especially residential and community-focused buildings like schools that may serve as shelters during or after extreme weather.
ARD	Enroll new partners into Advance program	1 partner/year	Air quality	Reduce number of nonattainment areas despite climate impacts through proactive actions to reduce emissions.
ECAD	Increase climate adaptive enforcement measures in “enforcement settlements.”	3 enforcement Settlements will include climate adaptive enforcement mitigation measures - compliance terms - and/or climate adaptive enforcement SEPs in given FY.	All vulnerabilities - depends on adaptive measure employed.	Increasing awareness and opportunities for ECAD staff and management, as well as ORC and external regulated community, as it concerns climate impacts and opportunities to adapt.
ECAD	Increase the number of Enforcement Programs asking routine questions about climate adaptation during site inspections	3 R5 enforcement programs will include questions related to climate adaptation as part of routine inspections / inspection checklist by the end of FY24.	All vulnerabilities	Standardization of the practice to ensure each Branch is incorporating climate adaptation into their enforcement programs, as appropriate

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
GLNPO	Integrate principles of climate resiliency into GLRI-funded projects.	Add climate resiliency terms and conditions to new assistance agreements and interagency agreements.	Water quality	Make GLRI-funded projects more resilient to future climate conditions.
GLNPO	Incorporate climate resiliency principles into Great Lakes strategic implementation documents.	Finalize GLRI Action Plan IV in FY24. Finalize 1 LAMP in FY24 and 1 LAMP in FY25. Complete study to develop more accurate predictions regarding weather conditions to design and implement resilient GLRI projects in FY25.	Water quality	Future priorities and actions identified and implemented under these strategic documents are informed by the most recent climate resiliency information.
GLNPO	Utilize GLNPO long-term ecosystem monitoring programs implemented under the GLWQA and GLRI to assess and evaluated GL water quality and ecosystem health impacts related to climate change.	Release GLWQA Triennial State of the Lakes Report in FY25.	Water quality	Inform GLRI partners and the public on the health of the Great Lakes to inform future decisions
LCRD	Provide technical assistance to R5 stakeholders for climate adaptation readiness & preparedness	1 Municipality (Brownfields TA) & 1 Tribe to receive TA regarding climate adaptation practices by end of FY24	Contaminated sites	Equip R5 stakeholders with tools and services to implement climate-resilient practices; mitigating the risk of exposure to contaminated sites exacerbated by climate change
LCRD	Develop & enhance R5 GIS Map on climate change hazards (flood prone areas) for land track program sites	1 climate data layer to be added in FY24 (in addition to general maintenance and data updates); Brief LCRD climate adaptation staff on GIS data findings from ORD ROAR Brownfields Vulnerability Mapping Project semi-annually FY24-25	Contaminated sites	Educate EPA staff on identifying and tracking climate hazards at land track program sites

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
LCRD	Analyze impacts of climate change on remedial work at hazardous waste disposal facilities through remedy selection process, remedy reviews and model orders	<p>In FY24, engage 50% (approximately 8/16) of facilities developing remedies (either interim, final, or remedy updates) in discussions of opportunities to incorporate green infrastructure / remediation, as climate adaptation efforts, into work. Engage 75% (approximately 12/16) of facilities in FY25.</p> <p>Evaluate potential impacts of climate change on existing remedies during 2 Long Term Stewardship (LTS) reviews conducted in FY24. Evaluate climate change during 3 LTS reviews conducted in FY25.</p>	Contaminated sites	<p>Increasing resiliency of corrective action remedies to climate change impacts and reducing greenhouse gas production.</p> <p>Increasing resiliency of corrective action remedies to climate change impacts.</p>
LCRD	Evaluate climate change impacts on remedy resilience at new TSCA PCB cleanup sites using the R5 LCRD Climate Map.	Assess 2 new cleanup sites in FY24; 3 new cleanup sites in FY25	Contaminated sites	Increasing resiliency of TSCA PCB cleanups to climate change impacts.
LCRD	Share and ensure that States and Tribes are aware of OUST's natural disaster guides during the all-states meeting.	Communication on the availability of guidance to state and Tribal partners during the all-states meeting (1 meeting per year).	Extreme events	Increase resiliency of States and Tribes to climate change impacts.
LSASD	Work through the R5 Regional Science Council to ensure science needs related to climate adaptation are identified and addressed	Add science needs related to climate adaptation as a factor to be considered when identifying science needs and in developing Regional/ORD collaborative research proposals under the ROAR program	All vulnerabilities - depends on proposal/science needs	Ensure regional climate science needs and data gaps are addressed through ORD research. Produce actionable information and tools to help the Region and our partners identify and pursue effective climate adaption actions.
MSD	Workforce Protection: In order to provide greater protection for our workforce, Region 5 will increase awareness of hazard recognition, risk mitigation tools, Health and Safety Plan (HASP) Development, and EPA's Job Hazard Analysis (JHA) tool through training opportunities	<p>2.9 or lower Occupational Health Administration (OSHA) incident rate each year.</p> <p>In order to help achieve this, 85% of Region 5 field staff should attend an annual JHA/HASP awareness training course.</p>	Facilities & Operation	Increasing awareness of field staff to climate impacts

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
MSD	Facilities Protection: Increase water management awareness for staff and consult with the General Services Administration (GSA) on potential water conservation projects by implementing a water conservation project in on of Region 5's facilities each year	1 new water conservation project completed in one of Region 5's facilities each year	Facilities & Operation	Over time, R5 facilities will be upgraded with water efficient systems to reduce R5's overall water consumption.
MSD	Facilities Protection: Increase water management awareness for staff and consult with the General Services Administration (GSA) on potential water conservation projects by implementing a water conservation project in on of Region 5's facilities each year.	10% of Region 5 staff attend annual water conservation awareness training.	Facilities & Operation	Educating staff on the importance of water conservation in the workplace and at home.
MSD	Region 5's COOP coordinator will ensure the existing COOP covers more frequent and extended facility interruptions. The need to perform analytical lab work during facility interruptions of the CRL will be considered for COOP plan updates.	1 review of Region 5's COOP plan by the end of the FY24. This review will include proposed updates, if necessary.	Facilities & Operation	Ensure that R5's COOP covers all possible facility interruptions in various scenarios.
ORA - TMPO	EPA staff will incorporate improved understanding of Indigenous Knowledges (TEK/IK) practices into how they request and document climate adaptation information from Tribes. TMPO-Region 5 will coordinate with AIEO on IK in climate adaptation actions.	Documented changes in EPA staff request behavior (At least 3 Sections/Divisions incorporate IK into policy and SOP documentation. Will raise at RIWG meeting to have sections/divisions review their existing practices.)	All vulnerabilities	Enhanced communication, leading to better data management.
ORA -TMPO	Tribal Section will meet with external partners (e.g. Tribes, treaty authorities, Tribal colleges/universities) to better understand their work on climate adaptation.	# of meetings (Estimate 4/year), progress towards MOUs	All vulnerabilities	Stronger connections between EPA and external partners, leading to 1) improved EPA adaptation work and 2) timely project funding.
ORA -TMPO	Tribal Section will train EPA staff about the work that federally-recognized Tribes in the region are already doing regarding climate adaptation, specifically involving Indigenous Knowledges (TEK/IK). TMPO-Region 5 will coordinate with AIEO on IK in climate adaptation actions.	# Trainings held (Estimate 4)	All vulnerabilities	Educated EPA staff on Tribal climate adaptation measures and resources and improved EPA practices around climate adaptation.
ORC	Provide legal support, analysis and assistance to program offices including ensuring that all legal settlements, as appropriate, consider climate related settlement terms, including SEPs and injunctive relief.	# of legal support, analyses, and assistance provided to programs that includes consideration of future climate conditions	All vulnerabilities	Ensuring Region 5's maximum use of effective tools within the scope of EPA's legal authority, including legal settlements, to address climate related issues and concerns.

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
SEMD	Consider climate resilience during Superfund remedial investigations, the decision-making process, design development, construction, and post-construction to ensure that remedies selected and implemented will remain protective under a changing climate.	# of R5 NPL site initial climate risk screenings completed (NEW)	Contaminated site resilience	Provide EPA Staff with enhanced tools for assessing climate impact risk at NPL sites, with the aim of reducing site vulnerability in high-risk areas
SEMD	Provide trainings to Tribes to address climate change impacts on Tribal lands, which may include Tribal Disaster Debris Management Training.	# of trainings provided to Tribal partners	Chemical safety & pollution prevention	Educate Tribal partners on taking effective and climate-smart measures post-disaster
WD	PB will work with states in the Region each fiscal year beginning FY24 to ensure State NPDES programs (i.e., rules, policy, or practice) use contemporary statistics and references, and appropriate methods, based on the prior assessment (Goal is at least 2 per year and builds on FY23 work).	FY 24 will focus on working with 2 states to ensure that they use contemporary data, statistics and references, and appropriate methods when implementing and/or developing rules, policy and/or practices that are relevant and affected by changing climate. FY25 will focus on 2 more states for a total of 4 states throughout FY24 and FY25.	Water quality	Helping states incorporate up-to-date information into their permits in order to ensure that climate adaptation is addressed through the NPDES permits
WD	Assist Tribes by developing and/or updating Source Water Protection Plans and Asset Management Plans/Programs for Tribal Community Water Systems that include climate information and strategies	# of Source Water Protection Plans or Asset Management Plans/Programs for Tribal Community Water Systems revised/developed each fiscal year (2 for FY24, 2 for FY25).	Water quality	Enhanced adaptive capacity through updated, climate-oriented planning materials.
WD	Increase state engagement as to how integrating climate risks and best practices can improve technical, managerial and financial capacity of drinking water systems so communities and water sources are more resilient to climate change.	# of Public Water System Supervision programmatic documents revised/developed each fiscal year to integrate climate change risks and best practices (5 for FY24 and 5 for FY25)	Water quality	Enhance adaptive capacity by fostering better awareness and integration of climate adaptation practices into state PWSS programs; expand knowledge sharing among states of climate adaptation opportunities and best practices.

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
WD	STPSB will ensure that the BIL funded Gulf Hypoxia Program considers climate resiliency within state/Tribal work plans and future reports.	# of new grant workplans and/or progress reports that add a section on how climate resiliency will/has been addressed with the BIL funds. (Currently there are 5 state funded projects and 14 Tribal projects to submit applications during FY24. There has been a delay on finalizing the GHP funding for Tribal partners so STPSB would start with a goal of 5.)	Water quality	Enhances EPA's ability to track the actions grantees took that directly effect climate resiliency. Also furthers the importance of including climate considerations in future grantee work plans.
WD	Work with states as they are revising Nonpoint Source Management Program Plans to include climate change considerations and additional resiliency actions and climate adaptation strategies (e.g., incorporating climate-resilient best management practices) as outlined in the national program guidelines in FY24-25.	# of states that incorporate climate change into their NPS management plans; target is 1 for FY24 (IL is expected to update their plan in FY24; FY25 measure will be developed when we have more information about which state(s) will be revising their plan(s) in FY25.)	Water quality	The ability to have improved NPS control through employing more resilient climate considerations in implementation activities.
WD	WWB will partner with STPSB, Wetlands, and R5 Tribes to develop a climate change risk assessment tool for wild rice.	FY24: # of scoping meetings with interested tribes; Completion of draft compilation of ranked climate change factors expected to impact wild rice; Completed compilation of datasets for project; Completion of draft scoring system for risk assessment FY 25: GIS support will be needed to compile information and draft the risk assessment tool for wild rice. Peer review of the mapping tool by WWB, STSB, and Tribes.	Water quality	Enhance knowledge of climate change risk; inform protection/restoration strategies
WD	Discuss climate change actions and activities that states and Tribes could incorporate into Wetland Program Plans and Wetland Program Development Grants as part of our Region 5 State and Tribal Wetland program development meetings throughout the year (1 annual meeting virtual/hybrid, 1-2 touch base virtual meetings) with the goal of producing guidance materials for states and Tribes to include explicit consideration of climate change adaptation in their wetland program development work, including consideration of Indigenous Knowledge.	# of states and Tribes participating in meetings (5/6 states and 10/35 Tribes); Guidance/factsheet document development (0 Target for FY24, 2 Target for FY25)	Water quality	Keeping climate in the conversation; facilitating strategic planning and supporting integrative approaches that include climate in wetland program development and management.

Division	Priority Action Statement	Performance Measure	Vulnerability Addressed	Long-term Outcome
WD/ARD	Promote climate adaptation training developed by national program offices to Region 5 staff and share both internal and appropriate external climate adaptation training materials with relevant regional staff.	Number of climate adaptation training opportunities shared with regional staff.	All vulnerabilities	Enhance climate change knowledge across the Region.