



Oregon Section 319 Nonpoint Source Implementation Grants

Request for Proposals and Application Information

Fiscal Year 2023



This document was prepared by
Oregon Department of Environmental Quality
Program Name
700 NE Multnomah Street, Suite 600
Portland Oregon, 97232

Contact: Ivan Camacho
Phone: 503-887-4176
www.oregon.gov/deq



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800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

Non-discrimination statement

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Section 319 Funds

The 2023 Nonpoint Source Grant Program supports projects to reduce and mitigate the effects of nonpoint source pollutants - such as sediment, pesticides, and nutrients - to waters of the state. The funding source for this grant program is United States Environmental Protection Agency Clean Water Act section 319 grant to the state Nonpoint Source Program. Execution of grant agreements is contingent on receipt of funds from U.S. EPA. In fiscal year 2023, the State anticipates receiving approximately \$170,000 from the CWA 319 grant for pass through project implementation.

Watershed Based Plan strategy in Oregon

EPA requires a Watershed Based Plan be prepared and approved prior to implementation of any on-the-ground project with CWA Section 319 Grant funds. Watershed plans assist states and tribes in addressing nonpoint source pollution by providing a comprehensive assessment of nonpoint source pollution and a set of management measures to address them

For the 2023 cycle, DEQ has reviewed and approved plans from a limited number of watersheds that meet the criteria. Areas and project priorities eligible for grant funds are listed in Section B of this RFP.

It is anticipated that for future 319 funding, DEQ will add additional watersheds as WBP's are reviewed by DEQ and recommended for approval to EPA.

For reference, elements of a Watershed Based Plan include:

1. Identification of the causes and sources of pollution
2. Estimate of the pollutant load reductions expected from management strategies
3. Description of the nonpoint source management strategies that will need to be implemented to achieve load reductions and a description of the targeted critical areas
4. Estimate amounts of technical and financial assistance needed, associated costs, and/or the relevant authorities that will be relied upon to implement the plan
5. An information and education component
6. A schedule for implementing the nonpoint source management strategies
7. Description of the interim measurable milestones
8. Identification of a set of criteria or indicators to measure progress over time
9. A monitoring component.

For the year 2023 Oregon DEQ is committed to increase equity and environmental justice in the 319 grant Nonpoint Source Program by inviting stakeholders to consider 319 funding targeting environmental justice approach to watershed priorities. As with other federal grant programs, we are adopting EPA's guidance for inclusion of environmental justice (EJ) activities targeting implementation of watershed based plans, as referenced in the [July 2021 EPA memo](#).

Alternative Watershed Plan addressing wildfire impacts to water resources

In addition, because of the widespread impacts of the 2020 wildfires the need for projects responding to urgent nonpoint source pollution emergencies or public health risks in areas for which a watershed-based plan does not exist, an Alternative Watershed Plan may be developed. An AWP must be submitted for review for any nonpoint source pollution control project that is proposed to be implemented within a 2020 wildfire perimeter that does not already have eligibility under an approved watershed-based plan. The following minimum information constitute an AWP and must be included with a project proposal:

1. Identification of the causes or sources of nonpoint source pollution impairment, water quality problem, or threat to water quality;
2. Watershed project goal(s) and explanation of how the proposed project(s) will achieve or make advancements towards achieving water quality goals;
3. Schedule and milestones to guide project implementation;
4. Water quality results monitoring component, including description of process and measures (e.g., water quality parameters, stream flow metrics, biological indicators) to gauge project success.

For the 2023 cycle, DEQ will review, and EPA will need to approve Alternative Watershed Plans that meet the criteria. Project priorities and wildfire areas eligible for grant funds are listed in Section C of this RFP.

For additional guidance on developing an alternative plan or watershed-based plan, see [EPA's Handbook for Developing Watershed Plans to restore and Protect Our Waters](#).

Request for proposals

The Oregon 319 grant program for the 2023 fiscal year begins on **March 27, 2023**, with the release of this RFP. We invite proposals submittals for the implementation of a WBP as referenced in the priorities outlined in Section B of this request for proposals.

Proposals are due by 5 p.m., May 12, 2023 (Refer to Section 8 for submittal requirements). Proposals will be evaluated by DEQ staff to identify those projects that best address the State's NPS priorities (Section B).

Successful projects may commence in the Fall of 2023 after the award is received and §319 NPS agreement has been signed. A sample NPS Agreement is available for reference.

2023 Budget

Based on last year's budget, an estimate amount of \$170,000 will be available for all projects.

Section A: Proposal information

1. Who can apply?

The following governmental agencies and non-profit organizations are eligible to receive 319 Grants. Other groups may also apply for grant funding by collaborating with the following organizations:

- **Oregon Municipalities (cities and countries)**
- **Non-profit Organizations**
- **Special Districts in Oregon, including Conservation Districts**
- **Watershed Councils / Associations**
- **State Agencies / Universities**
- **Regional Planning Commission**
- **Water Suppliers**
- **Tribal Nations**

Grant funds may be used to sub-contract with private entities, such as environmental consulting or engineering firms, to complete portions of projects that are beyond the capacity of the grantee organization.

2. Eligible projects

Watershed Based Plan activities

To be eligible for Section 319 grants, the plan to be implemented must meet the criteria of the nine Key Elements for nonpoint source projects as outlined in EPA's Handbook for Developing Watershed Plans to Restore and Protect Our Waters ([Handbook for Developing Watershed Plans to Restore and Protect Our Waters, U.S. EPA](#)). DEQ will only accept work plans addressing the implementation of WBP and/or alternative plans for wildfire remediation strategies, as referenced in the priorities outlined in Section B. Proposals may either implement a portion of a plan, or a complete plan.

DEQ encourages projects that involve collaborative stakeholder partnerships to engage local governments, community-based organizations, state, and federal agencies and/or tribal nations. Cooperative efforts not only help organizations to ensure effective funding coordination and

adequate match from diverse sources, but also often yield the greatest water quality improvements.

In the past, DEQ has provided 319 funds to grantees to provide technical assistance and outreach services to effectively promote landowner installation of Best Management Practices. In addition, a grantee may choose to set up a cost-sharing program as an incentive to installation and promotion of BMPs. Recipients of 319 cost sharing must agree to properly operate and maintain the BMP for its intended purpose for the service life.

Environmental justice and 319 Grants activities

Project proposals seeking to integrate environmental justice considerations such as plans and actions emphasizing a watershed-based plan approach, ensuring equitable and fair access that benefits disadvantaged communities may be prioritized for funding.

For this 2023 RFP inviting disadvantage communities to consider applying for 319 funds, DEQ is following EPA's guidance encouraging disadvantage communities (DAC) as follows:

- Waiving non-federal match for applicants;
- Using 319 funds to support watershed plan development and capacity building in DACs.
- As reference we are including a list of tangible actions to advance equity and environmental justice in the national NPS program. The list is included under Section D of this RFP.

Please refer to Section E of this request for proposals for a fillable form to provide details of your proposal.

3. Other opportunities for funding

Clean Water State Revolving Fund

Please note that the Clean Water State Revolving Fund might be more suitable for funding larger projects. You may review the information on the [Clean Water State Revolving Fund web page](#). CWSRF provides loans at a reduced interest rate for nonpoint source projects (the contact person for the CWSRF program is listed in table 2).

Septic System Loans for Homeowners and Small Businesses

DEQ partners with Craft3, a local nonprofit lender, to offer an affordable loan to repair or replace failing septic systems. The loan can cover all eligible design, permitting and installation fees. In some cases, it can even finance connection to a nearby municipal sewer. Lower rates and deferred payment options may be available for homeowners with lower incomes. The loans are made possible by funding from the Oregon legislature. Learn more and apply at [Craft3 website](#). A separate program is available for **Clackamas County residents**.

Small Grants, Oregon Watershed Enhancement Board

The Small Grant Program is an easy-to-engage-in, competitive grant program that awards up to \$15,000 for on-the-ground restoration projects principally carried out on private lands across Oregon. This program responds to a need for local decision-making about watershed restoration opportunities on a shorter timeframe than is available under OWEB's regular grant program.

The Small Grant Program enables landowners across the state to contribute to the [Oregon Plan for Salmon and Watersheds](#) and the [Oregon Conservation Strategy](#) by committing "small acts of kindness" on their properties for the benefit of water quality, water quantity, and fish and wildlife. From planting native plants along stream sides to reducing sedimentation and erosion from upland farms and ranches, citizens everywhere can make a difference.

4. Ineligible projects

The following types of projects will not be considered for funding with 319 funding:

- Projects not addressing the criteria presented in Section B or Section C of this request for proposals;
- Projects that install management practices to meet MS4 permit requirements, with the exception of demonstration projects directly transferable to other communities;
- On-site wastewater treatment system projects for routine maintenance or repair of existing on-site (septic) systems.
- Routine replacement of culverts;
- Projects to specifically protect or replace failing infrastructure on U.S. Forest Service or Bureau of Land Management roads or lands.

5. Project requirements

The proposed project must meet the following requirements:

A complete application. A fillable application document is available as a separate document from this RFP.

1. **Section B Priorities.** The project must **address a priority as outlined in Section B**
2. **Section C Priorities. For proposed activities targeting 2020 Wildfire affected areas, please refer to project eligibility and priorities under Section C**
3. **Section D. Environmental justice activities.** If you are planning to propose activities targeting a EJ strategy, we encourage you to review Section D for current planning and implementation EJ projects nationwide, and adapt your proposal as you see it fit the Section B priorities.

4. **Measurable Success.** The project proposal must include a discussion section with an emphasis on measurable environmental improvement.

Non-federal match

1. EPA will waive the match requirement for projects that support disadvantaged communities targeting watershed priorities as referenced in Section B of this RFP.

For other projects:

2. Proposals selected for funding must provide **at least 40%** of the total project cost (§319 funds requested plus minimum match) as match using non-federal funds and/or in-kind services (e.g., volunteer time and effort). Successful grant recipients must submit **documentation of the project match to DEQ, which meets the format and criteria provided with the final NPS Agreement.**

To calculate the minimum required match, *multiply the amount of Section 319 funds you are requesting for your project by 2/3.*

If the Section 319 grant request is:	Minimum required match is calculated by multiplying the requested \$ by 2/3	Adding the requested amount plus match would be:
\$30,000	\$20,000	\$50,000
\$15,000	\$10,000	\$25,000

3. Match expenditures must be reported with all invoices using the Nonpoint Source Grant Agreement Expenditures/Match Report form that will be provided (Exhibit B of NPS Agreement). If the match reported is less than 40% of the invoiced amount, a plan for when the 40% match requirement will be fulfilled must be provided. The plan must be approved by the DEQ Project Officer and Financial Services Manager or Designee.
4. Applicants are encouraged to investigate partnering opportunities with the [Oregon Watershed Enhancement Board grant Program](#).

Quality Assurance

For those projects identified as involving environmentally related measurements or data generations, the grant recipient will need to develop and submit to DEQ the appropriate quality

assurance / quality control documentation. The plan must be submitted to DEQ prior or within 60 days of signing a NPS grant agreement. Required documentation may include one or more of the following:

- Organization specific Quality Management Plan
- Project specific Quality Assurance Project Plan
- Sampling and Analysis Plan
- Standard Operating Procedures or other quality related documents.

For information on the policies, objectives, principles, and responsibilities for implementation of the DEQ Quality Management System described in DEQ's Quality Management Plan, contact a [Quality Assurance Officer at the DEQ Laboratory and Environmental Assessment Division](#) at 503-693-5700.

Grant agreement

Successful grant recipients must enter into an agreement with the State of Oregon to receive funds. A sample agreement is available for reference. It is important that the grant recipient reviews and agrees with the grant agreement requirement prior to executing it. The State of Oregon requires the following documentation for execution of 319 grant awards:

1. **Signed Grant Agreement** (contract), developed by DEQ
2. Grant recipients should confirm that their organization's **unique entity identifier, UIE (DUNS) number is active** if selected for funding.
3. **Federal Award Risk Analysis.** Sufficient information for DEQ to complete a Federal Award Risk Analysis.
4. **Indirect cost:**
 - i. If the applicant is awarded 319 funds, and the organization has a current indirect cost plan approved by their cognizant agency, the applicant needs to include that rate in the agreement's budget. Portions of this rate or all of it cannot be used as match.
 - ii. If the applicant is awarded 319 funds, but does not have an approved Indirect Cost Plan, the applicant on behalf of his/her organization needs to include up to 10% of the modified total direct costs (MTDC). This rate should be consistent with what the applicant has included in other grant applications.
5. A **complete description** of the proposed tasks. At the least, the tasks should include
 - i. What the proposed work consists of goals and objectives
 - ii. Timeline of the implementation
 - iii. How much will it cost

Funds reimbursement

319 grant funds are distributed to recipients as reimbursement for documented incurred expenses according to the work plan included in the NPS Agreement as Exhibit A.

Reporting

1. For those projects, targeting riparian restoration, grant recipients must enter completed project information, at completion of the project, in the [Oregon Watershed Restoration Inventory](#).
2. For those projects, implementing best management practices targeting nutrients, sediment and dissolved oxygen loading reduction, an additional reporting of the **estimated loading reduction report** will be required at completion. Please refer to the template for estimating loading reductions.
3. If part of the grant implementation involves hiring of a sub-contractor, Grant Recipients are required to make a **good faith effort to hire disadvantaged businesses**. Perform a search of disadvantage business at the [Oregon Business Development Department](#) website or on the [U.S. Small Business Administration site](#). For assistance, contact Ivan Camacho at 503-229-5088, or ivan.camacho@deq.oregon.gov.
4. **Annual progress reports** and a **final report** are required. Progress reports provide an opportunity for grantees to share information regarding progress toward meeting performance targets and enable DEQ staff to offer assistance in meeting those targets.

6. Evaluation criteria

DEQ staff will evaluate Proposals. Reviewers will be looking for the following:

- Project addressing a watershed-based planning priority as outlined in Section B or wildfire impact as outlined in Section C
- Project proposals seeking to integrate environmental justice considerations including, plans, and actions in the WBP focus
- Potential for project to achieve measurable results, and a reasonable implementation timeline
- A clear and concise environmental outcome statement
- Partnering with other stakeholders
- Does the project serve disadvantaged or underserved communities?

7. How do I apply?

Submit a signed and **complete** application. An application fillable form is provided. Application proposals need to be sent to Ivan Camacho at ivan.camacho@deq.oregon.gov. Facsimiles are not accepted.

In addition to this 2023 Oregon 319 Request for Proposal, supporting documents for the applicant include:

1. A checklist to assist applicants with a complete proposal application
2. A fillable application form
3. A list of Oregon HUC 12-digit code numbering
4. A sample NPS Agreement
5. A sample Load Allocation Estimates report form

If your file is too large to be sent electronically, please provide electronic files in a USB drive.

For more information, contact:

[Ivan Camacho](#)

Oregon 319 Grants Administrator, Oregon Department of Environmental Quality

700 NE Multnomah Street, Suite 600

Portland, OR 97232

Voice: 503-229-5088, Mobile: 503-887-4176

Fax: 503-229-6037

8. Timetable for 319 NPS Grants

Table 1. Process and dates for 2023 319 Grant Program

Process	Time Frame
Request for Proposals released	March 27, 2023
Deadline for submission of proposals	May 12, 2023
Input provided to applicants on the status of applications	June 2023
Recommendations for funding made to EPA, by *	July 2023
Signature process and approval	To be determined
Project may begin. **	Winter 2023

* Recommendation of work plan to be included in NPS agreement depends on availability of federal 319(h) funds. Federal Section 319 budget is dependent on Congress's release of funds to EPA and is beyond DEQ's control. Continued budget reduction is likely due to EPA/NOAA disapproval of Oregon's Coastal Nonpoint Pollution Control Program.

** If an Applicant has not submitted necessary documentation to develop the NPS agreement, this process may be delayed.

9. For more information

For information and assistance regarding grant applications, please contact Ivan Camacho at 503-887-4176 or refer to the DEQ staff contact information for regional staff contacts.

Table 2. DEQ staff contact information

Region	Basin or Management Program Area	Staff	Phone #
Eastern	John Day River Basin Lower Grande Ronde Malheur River Basin Miles Creeks Basin Umatilla River Basin Upper Klamath Lake Basin Walla Walla River Basin Western Hood River Basin Willow Creek River Basin	Amanda Ondrick	503-568-5907

Northwest	Clackamas and Sandy, Molalla-Pudding	Evan Haas	503 229-6414
	Tillamook and North Coast	Melyssa Graeper York Johnson	503 509-4636 503-801-5092
	Tualatin	Brian Creutzburg Valerie Arkell	503 229-6819 503-875-4358
	Lower Willamette	Andrea Matzke Valerie Arkell	503 229-5350 503-875-4358
Statewide	Drinking Water Source Protection	Julie Harvey	503 229-5664
	Monitoring, Quality Assurance	Nick Haxton	503 693-5737
	NPS Education	Ivan Camacho	503-887-4176
	Erosion Threat Assessment and Reduction Team, ETART Riparian Forest Restoration	Josh Seeds	503 229-5081
	Clean Water State Revolving Fund	Chris Marko	503 229 6412
	NWQI	Ivan Camacho	503-887-4176
Western	Drinking Water Source Protection	Laura Johnson	503-803-2839
	Umpqua	Sarah Sauter	541-774-5905
	Mid-Coast	David Waltz	541 687-7345
	Rogue Basin	Bill Meyers Sarah Sauter	541 776-6272 541-774-5905
	South Coast	Bryan Dugan	503-367-3400
	Mid-Willamette North Santiam, Pudding, Yamhill	Priscilla Woolverton	503-688-8801
	Upper-Willamette – S. Santiam, Coast Fork, McKenzie, Yamhill, Middle Fork; Southern Willamette Valley Groundwater Management Area	Grace Goldrich- Middaugh Priscilla Woolverton	541-972-5520 503-688-8801

Section B: Eligible Watersheds Where WBPs are in place

DEQ will only accept work plans addressing the implementation of Watershed-Based Plans, as referenced in the priorities outlined below or an Alternative Watershed Plan as outlined in Section C. Proposals may either implement a portion of a plan, or a complete plan. All projects are designed to implement Best Management Practices in a manner that leads to significant reduction in the nonpoint source pollutant load to a waterbody.

Eastern Region project priorities

Table B-1

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
John Day River Basin (170702)	Bacteria, Temperature	Entire watershed	<p>Projects that address temperature and/or bacteria impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat and bacteria pollution. Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p>
Imnaha Subbasin (17060102)	Temperature	Private agricultural lands and within the City of Enterprise	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
<p>Lower Grande Ronde Subbasin (17060106)</p> <p>Wallowa Subbasin (17060105)</p>			<p>buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives.</p>
<p>Bully Creek Subbasin (17050118)</p> <p>Lower Malheur Subbasin (17050117)</p> <p>Middle Snake-Payette Subbasin (17050115)</p> <p>Upper Malheur Subbasin (17050116)</p> <p>Willow Creek Subbasin (17050119)</p>	Total Phosphorus	Private agricultural lands	<p>Projects that address temperature, nutrients, and/or bacteria impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat, nutrient, and bacteria pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			control, large wood placement, and channel restoration.
Umatilla Subbasin (17070103)	Temperature	Entire watershed	<p>Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution. Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
Sprague River Subbasin (18010202)	Temperature, Total Phosphorus	Private agricultural lands	<p>Projects that address temperature, nutrients, and/or bacteria impairment: Target projects that would: work toward greater community awareness of nonpoint</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
Williamson River Subbasin (18010201)			source pollution issues, provide riparian buffer protection and restoration, and reduce heat, nutrient, and bacteria pollution.
Upper Klamath Lake Subbasin (18010203)	Total Phosphorus	Private agricultural lands	Agriculture practices that reduce erosion, runoff, riparian degradation, and bacteria and nutrient loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.
Upper Klamath River (18010206)	Temperature, Total Phosphorus, Total Nitrogen, Carbonaceous Biochemical Oxygen Demand	Entire watershed	TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.
Lost River (18010204)	Temperature, Dissolved Inorganic Nitrogen, Carbonaceous Biochemical Oxygen Demand	Entire watershed	Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.
Walla Walla Subbasin (17070102)	Temperature	Entire watershed	Projects that address temperature impairment: Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution. Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading. Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>
<p>Eightmile Creek Watershed (1707010502)</p> <p>Fifteenmile Creek Watershed (1707010503)</p> <p>Mill Creek-Columbia River Watershed (1707010504)</p> <p>Mosier Creek-Columbia River Watershed (1707010511)</p>	<p>Temperature</p>	<p>Private agricultural lands</p>	<p>Projects that address temperature impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
<p>Eagle Creek – Columbia River Watershed (1707010512)</p> <p>East Fork Hood River Watershed (1707010505)</p> <p>Hood River Watershed (1707010507)</p> <p>Mosier Creek – Columbia River Watershed (1707010511)</p> <p>West Fork Hood River Watershed (1707010506)</p>	Temperature	Entire watershed	<p>Projects that address temperature impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning, code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p>
Willow Creek Subbasin (17070104)	Temperature	Private agricultural lands and in Willow Creek Reservoir	<p>Projects that address temperature impairment:</p> <p>Target projects that would: work toward greater community awareness of nonpoint source pollution issues, provide riparian buffer protection and restoration, and reduce heat pollution.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation, and heat loading.</p> <p>Implementation of efforts identified in the Water Quality Management Plans (WQMP). Support other water quality-related work in the area (ie: agricultural strategic implementation area project work, place-based planning efforts, habitat restoration efforts, water quality, groundwater protection, drinking water protection and/or implementation monitoring.</p> <p>TMDL/WQMP implementation activities including public outreach and education about water quality issues, planning,</p>

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<p>code/ordinance review, particularly targeting development of and protection of riparian buffers, increasing instream flow, erosion control, large wood placement, and channel restoration.</p> <p>Projects to evaluate the status of TMDLs or approved watershed-based plan objectives. Project activities may include: analysis of water quality status and trends in relation to management practice implementation and/or status of meeting TMDL or watershed-based plan milestones.</p>

Western Region project priorities

Table B-2

Watershed Name (HUC)	Pollutant /Parameter	Eligible Project Areas	Project Need (Eligible Implementation Funding Activities Include)
Little Butte Creek Watershed (1710030708)	Bacteria	Entire watershed	Implementation of efforts identified in Water Quality Implementation Plans, Water Quality Management Plans, and Agriculture Watershed Management Plans. Agricultural practices that improve manure management, and practices that reduce erosion, runoff, and riparian degradation
Butte Creek-Pudding River Watershed (1709000902) Rock Creek Watershed (1709000903) Senecal Creek-Pudding River Watershed (1709000905) Upper Little Pudding River Subwatershed (170900090108) Lower Little Pudding River Subwatershed (170900090109) Howell Prairie Creek-Pudding River Subwatershed (170900090110)	Dichlorodiphenyl trichloroethane (DDT), Dieldrin, Chlordane, and Total Suspended Solids	Cities of Aurora, Gervias, Hubbard, Mt Angel, Salem, Scott Mills, Silverton, Woodburn, Oregon Parks and Recreation Areas, private agricultural lands, private forest land, and all un-incorporated non-federal lands in Marion County.	Implementation of efforts identified in water quality implementation plans or water quality management plan.
McKenzie Subbasin (17090004)	Temperature	Entire watershed	Implementation of efforts identified in water quality implementation plans or water quality management plan.
North Santiam Subbasin (17090005)	Temperature	Entire watershed	Implementation of efforts identified in water quality implementation plans or water quality management plan.
Southern Willamette Valley Ground Water Management Area	Nitrate	Southern Willamette Valley Ground Water Management Area	Implementation of efforts identified in the Southern Willamette Valley GWMA Action Plan that will reduce nitrate and other pollutant loading to groundwater.

Watershed Name (HUC)	Pollutant /Parameter	Eligible Project Areas	Project Need (Eligible Implementation Funding Activities Include)
Marys River Watershed (1709000305) Muddy Creek Watershed (1709000302)			
Tenmile Creek-Frontal Pacific Ocean Tenmile Lakes Watershed (1710030404)	Sediment, Total Phosphorus	Entire watershed	<p>Implementation of efforts identified in Water Quality Implementation Plans (WQIP) or Water Quality Management Plans (WQMP).</p> <p>TMDL implementation activities, including code/ordinance review, particularly targeting post construction storm water management and riparian buffers.</p> <p>Agriculture practices that reduce erosion, runoff, riparian degradation.</p> <p>Targeted projects that would: lead to reductions in sediment and nutrient load reductions, wetland acquisition, wetland protection and restoration, and riparian protection and restoration.</p>
Umpqua River basin - North Umpqua (17100301), South Umpqua (17100302) and mainstem Umpqua Subbasins (17100303) and the Little River Watershed (1710030111)	Temperature and Bacteria	Entire basin	Implementation of efforts identified in water quality implementation plans or water quality management plan.
Calapooya Creek (1710030301), Elk Creek (1710030304), South Umpqua River (17100302), Deer Creek (1710030213), Jackson and Black Canyon Creeks (1710030202), Cow Creek (1710030207),	Nutrients	Entire watersheds	Implementation of efforts identified in water quality implementation plans or water quality management plan.

Watershed Name (HUC)	Pollutant /Parameter	Eligible Project Areas	Project Need (Eligible Implementation Funding Activities Include)
Steamboat Creek (1710030108)			
Long Tom River Watershed (1709000301)	Elevated bacteria loads	Entire watershed	<p>Implementation of efforts identified in water quality implementation plans or water quality management plans.</p> <p>TMDL implementation planning and implementation, particularly targeting stormwater management and riparian buffers.</p> <p>Agricultural practices that improve manure management, and practices that reduce erosion, runoff, and riparian degradation.</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Examples: Stormwater treatment or other projects that address runoff, sediment and erosion, bacteria impairments.</p> <p>Riparian projects with livestock exclusion fencing, off channel watering, manure management or other projects that address sources of bacteria.</p> <p>Analysis of water quality status and trends in relation to sequences of management practice implementation.</p>
South Santiam Subbasin (17090006)	Bacteria	Entire watershed	<p>Implementation of efforts identified in water quality implementation plans or water quality management plans.</p> <p>TMDL implementation planning and implementation, particularly targeting stormwater management and riparian buffers.</p> <p>Agricultural practices that improve manure management, and practices that reduce erosion, runoff, and riparian degradation.</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p>

Watershed Name (HUC)	Pollutant /Parameter	Eligible Project Areas	Project Need (Eligible Implementation Funding Activities Include)
			<p>Examples: Stormwater treatment or other projects that address runoff, sediment and erosion, bacteria impairments.</p> <p>Riparian projects with livestock exclusion fencing, off channel watering, manure management or other projects that address sources of bacteria.</p> <p>Analysis of water quality status and trends in relation to sequences of management practice implementation.</p>
Rogue Basin Applegate Subbasin (17100309) Illinois Subbasin (17100311) Lower Rogue Subbasin (17100310) Middle Rogue Subbasin (17100308) Upper Rogue Subbasin (17100307)	Temperature	Entire watershed	Projects that address temperature impairment and promote community awareness of nonpoint source pollution issues. Example may include: <ul style="list-style-type: none"> • Riparian tree and shrub planting (increase site effective shade); vegetation management and invasive weed control, riparian protection. • Stream restoration to restore altered bank and channel morphology; dam management strategies; removal of in-channel ponds, etc. • Protect and restore cold water refuges • Agriculture and urban best management practices that reduce erosion, runoff, riparian degradation, and heat loading. • Support other water quality-related work in the area (i.e., agricultural strategic implementation area project work, habitat restoration efforts, groundwater protection, drinking water protection, and/or BMP implementation and water quality monitoring. Implementation of projects identified in water quality implementation plans or water quality management plan.
Luckiamute River Watershed (1709000305)	Temperature	Entire watershed	Projects that address temperature impairment and promote community awareness of nonpoint source pollution issues. Example may include: <ul style="list-style-type: none"> • Riparian tree and shrub planting (increase site effective shade);

Watershed Name (HUC)	Pollutant /Parameter	Eligible Project Areas	Project Need (Eligible Implementation Funding Activities Include)
			<p>vegetation management and invasive weed control, riparian protection.</p> <ul style="list-style-type: none"> • Stream restoration to restore altered bank and channel morphology; dam management strategies; removal of in-channel ponds, etc. • Protect and restore cold water refuges • Agriculture and urban best management practices that reduce erosion, runoff, riparian degradation, and heat loading. • Support other water quality-related work in the area (i.e., agricultural strategic implementation area project work, habitat restoration efforts, groundwater protection, drinking water protection, and/or BMP implementation and water quality monitoring. <p>Implementation of projects identified in water quality implementation plans or water quality management plan.</p>

Northwest Region project priorities

Table B-3

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
<p>Lower Molalla River (1709000906) Upper Molalla River (170900905)</p>	<p>Temperature</p>	<p>Entire Watershed</p>	<p>Identification, summarization, and evaluation of implemented or planned management practices</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Compile and format continuous temperature data for submission to DEQ's AWQMS database.</p> <p>Restoration projects that address temperature impairments:</p> <p>Examples:</p> <ul style="list-style-type: none"> • Riparian and in-channel restoration (e.g. native planting, erosion control, large wood placement)

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<ul style="list-style-type: none"> Riparian projects with livestock exclusion fencing or off channel watering applications, or removal and/or better management of inline ponds
Lower Willamette Watershed (17090012)	Temperature	Entire Watershed	<p>Identification, summarization, and evaluation of implemented or planned management practices</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Compile and format continuous temperature data for submission to DEQ's AWQMS database.</p> <p>Restoration projects that address temperature impairments:</p> <p>Examples:</p> <ul style="list-style-type: none"> Riparian and in-channel restoration (e.g. native planting, erosion control, large wood placement) Riparian projects with livestock exclusion fencing or off channel watering applications, or removal and/or better management of inline ponds
Nehalem River Subbasin (17100202) Wilson / Trask / Nestucca Subbasin (17100203)	Bacteria, Temperature	Entire watershed	<p>Identification, summarization, and evaluation of implemented or planned management practices</p> <p>Analysis of water quality status and trends to assess effectiveness of implementation actions</p> <p>Compile and format continuous temperature data for submission to DEQ's AWQMS database.</p> <p>Restoration projects due to wildfire impacts</p> <p>Projects that address temperature and/or bacteria impairments:</p> <p>Examples:</p> <ul style="list-style-type: none"> Riparian and in-channel restoration (e.g. native planting, erosion control, large wood placement) Riparian projects with livestock exclusion fencing or off channel watering applications, or removal of inline ponds

Watershed Name (HUC)	Pollutant	Eligible Project Areas	Project Need
			<ul style="list-style-type: none"> Storm water or other projects that address bacteria impairments Projects within drinking water source areas that address temperature and/or bacteria impairments and are documented in DEQ/OHA Source Water Assessments or public drinking Water Protection Plans. <p>View DEQ's public drinking water source areas maps for locations.</p>

Statewide Project Priorities

Table B-4

Watershed Name (HUC)	Pollutant	Project Need
<p>All watersheds with an active Pesticide Stewardship Partnership (PSP) Program. A map of existing PSP Basins can be found online: https://www.oregon.gov/oda/shared/Documents/Publications/PesticidesPARC/PSPBasinsMap.pdf</p>	<p>Pesticides of high/moderate concern in specific PSP Basins</p>	<p><i>Projects to develop and/or implement pesticide management actions, technical assistance, or educational programs that reduce or eliminate pesticides from entering surface waterbodies</i></p> <p>Examples:</p> <ul style="list-style-type: none"> Agricultural practices that reduce erosion or runoff containing pesticides Stormwater projects that address runoff containing pesticides Pollution prevention projects focused on pesticides Educational campaigns to improve understanding of integrated pest management practices or the conditions/practices that may lead to pesticide movement off-site Spray calibration workshops Riparian plantings or restoration

Section C: 2020 Wildfire Project Eligibility and Priorities

Eligible 2020 wildfire implementation funding activities must meet the following criteria:

1. Be located within any of the 2020 wildfire perimeters identified in Table C-1 and shown in the [Real-Time Assessment and Planning Tool for Oregon](#)
2. Address any of the of the following pollutant parameters:
 - section 303d listed parameters;
 - indicator parameters of wildfire impacts including dissolved oxygen, pH, conductivity, temperature, sedimentation, or turbidity);
 - conventional and potentially toxic pollutants associated with runoff from wildfire impacted landscapes.
3. Address natural resources recovery; impact assessment and other high priority recovery activities including any of the following:
 - Assessment of water quality conditions or landscape conditions (near-stream and areas at high risk for erosion, debris flow) in areas affected by wildfire;
 - Development of BMP projects (design, technical assistance, project, coordination) to address higher risk conditions that may impact beneficial uses;
 - Coordination with local, state and federal partners in assessment and/or BMP project development;
 - Implementation of BMP projects designed to reduce pollutant load to impaired or affected waterbodies.
 - Projects in areas contributing to or within designated drinking water source areas will be prioritized.

Projects may also consider:

- Forest Service Burned Area Emergency Response program
- [Erosion Threat Assessment and Reduction Team documents](#)
- DEQ's Public drinking water source area Wildfire Mapbook and Data
- Local assessments conducted post-wildfire
- Approved watershed based plans, or other alternative plans

Additional criteria and ranking factors include those in OWEB announcements.

Table C-1. 2020 wildfires in Oregon. See map at the [Real Time Assessment and Planning Tool for Oregon](#). Source NWCC

Fire Name	Fire Number	Fire Code	Complex	County
Alameda Drive	OR-711S-025921	NKS4		Jackson
Anderson Crossing	OR-VAD-000154	NFZ1		Malheur
Archie Creek	WA-SPD-000436	NC67		Douglas
Baldy	OR-VAD-000155	NF1M		Malheur
Beachie Creek	OR-WIF-200299	NFN5		Clackamas, Linn, Marion
Ben Young	OR-982S-200196	NAM5		Lake
Brattain	OR-FWF-200406	NKK3		Lake
Buckhorn Creek	OR-952S-020139	NDT0		Wheeler
Burns Rd	OR-581-581041	NK7E	North Cascade Complex	Clackamas
Canyon Creek	OR-BUD-002088	NDV6		Harney
Crane	OR-FWF-200345	NFL7		Lake
Doe Creek	OR-FWF-200139	EK2B		Klamath
Dowty	OR-581-581041	NK7E	North Cascade Complex	Clackamas
Dragon Rock	OR-LAD-200254	NB4A		Lake
Echo Mountain Complex	OR-553S-553018	NKT8		Lincoln
Fir Mountain	OR-954S-000514	NC5D		Wasco, Hood River
French Creek	OR-733S-000296			Douglas
Frog 0657 RS	OR-OCF-000657	EK2G		Crook
Green Ridge	OR-DEF-000684	NFU8		Jefferson
Grizzly Creek	OR-711S-000238	NJ22		Jackson
Hager Ridge	OR-UMF-000891	NGE5	Meacham Complex	Umatilla
Hog Ridge 0739 PR	OR-PRD-000739	NF7L		Wheeler
Holiday Farm	OR-WIF-200430	NKJ7		Lane, Linn
Horse	OR-UMF-000900			Umatilla
Horseshoe Ridge	OR-UMF-000896		Meacham Complex	Umatilla
Indian Creek	OR-VAD-000153	NFH4		Malheur
Krumbo	OR-MAR-002055	NA0F		Harney
Laurel 0741 PR	OR-PRD-00063	NF88		Wheeler
Leslie Gulch	OR-VAD-000239	NQL8		Malheur
Lionshead	OR-WSA-000077	NFV7		Clackamas, Jefferson, Linn, Marion, Wasco
Little Mud Creek	OR-BUD-002115	NF59		Harney
Marsh	OR-KLR-200138	M479		Klamath

Fire Name	Fire Number	Fire Code	Complex	County
Matlock	OR-UMF-000530	NB7J		Morrow
Milepost 91	OR-WSA-000045	M89P		Wasco
Mosier Creek	OR-954S-000022	NE2U		Wasco
Mud Creek	OR-BUD-002074	NDN9		Harney
Neals Hill	OR-BUD-002079	NDP1		Harney
P515	OR-WSA-000075	NFP1		Jefferson
Pine Creek 0480 RN	OR-RFPN-000480	NBP4		Jefferson
Putnam Springs	OR-UMF-020264	NGH7		Grant
Ritter	OR-952S-020354	NL3S		Grant
Riverside	OR-MHF-000859	NKP2		Clackamas
Rock Creek 0103 RN	OR-PRD-000103	M22U		Gilliam
Rose Creek	OR-VAD-000226	NN63		Malheur
Rosland Road 0429 NE	OR-DEF-000429	M94G		Deschutes
Slater	CA-KNF-007035			Josephine
Sodhouse	OR-MAR-002006	M0SW		Harney
South Obenchain	OR-711S-026621	NKT7		Jackson
Steet Mountain	OR-952S-020279	NGA2	Steet Mountain Complex	Grant
Sweet Creek MP 2	OR-781S-000037	NJB5		Lane
Teller Flat 0281 OD	OR-951S-000281	M7JP		Jefferson
Thielsen	OR-UPF-000441	NKN6		Douglas
Trout Creek	OR-BUD-002108	NFV6		Harney
Two Four Two	OR-981S-076521	NKJ8		Klamath
Unger Rd Fire	OR-581-581041	NK7E	North Cascade Complex	Clackamas
War Canyon	OR-952S-020144	ND0R		Grant
Whilhoit Rd	OR-581	NK7E		Clackamas
White River	OR-MHF-000681	EK2F		Wasco
Wickiup	OR-VAD-000189	NKE4		Malheur
Wildcat	OR-BUD-002112	NF1T		Malheur
Worthington	OR-711S-010221			Jackson

Section D: Existing grantee efforts (nationwide) and environmental justice activities

Education and outreach best practices

Approach	Community/ State	Description	Contact
Bilingual engagement	Nampa, Idaho	Implemented activities through the Hispanic Public Outreach Initiative, which is an effort to educate Nampa’s Hispanic community about how to reduce stormwater pollution and encourage participation in stormwater-related events. Permanent bilingual stormwater interpretative signs were installed along the Wilson Creek Pathway.	Ramrakha.Jayshika@epa.gov
Bilingual engagement	Michigan	Some Michigan grantees create material in multiple languages which can help with engagement.	clark13@michigan.gov
Watershed management authorities	Iowa	Watershed management authorities communicated the advantages of the flood mitigation projects. Low elevation areas tend to experience more flooding and these areas also tend to include low-income communities.	stephen.hopkins@dnr.iowa.gov
Water Youth Educational Program	Iowa	Water Rocks! It's an active youth water quality education program that involves videos, songs, skits, etc., which can help educate all youth, regardless of their income or background. Reaching youth is one important way to reach the adults in their lives.	WaterRocks!

Approach	Community/ State	Description	Contact
State Interactive Mapper	New York	NY's Climate Justice Working Group developed a draft development criteria to identify DACs (purple in map) and ensure they benefit from greener energy, reduced pollution, cleaner air, and economic opportunities.	NY Disadvantage Community Map
State Interactive Mapper	Michigan	MiEJScreen uses percentile scoring based on environmental, health, and socio- economic indicators to measure environmental risk in communities.	MiEJScreen DRAFT
State Interactive Mapper	Massachusetts	The map identifies block groups based on % minority population, income, language isolation, and any combination of those three criteria	Environmental Justice Populations in Massachusetts
Social Indicator Surveys	Michigan	The Plaster Creek Stewards curb-cut rain garden program is using SIDMA for social surveys (post-surveys and writeups are pending). Other examples include Rain Garden U.	SIDMA
Social Indicator Surveys	Indian	Indiana used social indicators to determine the impact of outreach and education and have observed statistical increments in awareness for water quality issues.	NA

Watershed-based planning best practices

Approach	Community/ State	Description	Contact
Watershed Council Support RFP	Department of Environment, Great Lakes, and Energy (EGLE)	Grants to watershed councils and other organizations for up to \$40,000 over one year for capacity building. The scope is not limited to NPS pollutant issues, but NPS has been the focus. Examples include developing WBPs, creating a full-time position, or providing groups with more money to	Watershed Council Support Program

Approach	Community/ State	Description	Contact
		do equity related work.	
Environmental Justice Grant Program	New York	NPS planning educational grants that provide funding to students, low- income, and minority communities to support water quality monitoring efforts and increase awareness.	Environmental Justice Grant Programs
Tiered Approach to Watershed Based Planning	New Hampshire	Watershed Assistance Grants competitive process which now includes a Pre-proposal stage to ease applicants into the process. Only a budget range is selected during the Pre-proposal stage and a full budget is developed at the Full Proposal stage. New Hampshire requires a mandatory call early on with staff NPS Project Managers to discuss project concepts and perform a reality check with potential grantees.	Pre-proposal application form
Tiered Approach to Watershed Based Planning	Kansas	State applies a tiered approach where communities become eligible for a tier of funding as they move through each phase building toward an implementable WBP. The phases include Development (1 year), Assessment (1 year), Planning (1 year), and Implementation.	reed.amanda@epa.gov
Watershed Plan Tool	Massachusetts	Tool provides step by step guidance to develop a WBP. The primarily goal was to assist Section 319 grantees lacking technical capacity with the development of nine-element WBP to later conduct implementation projects. Outreach may be important to expand use beyond consultants.	Watershed Plan Tool

Approach	Community/ State	Description	Contact
Tiered Approach to Watershed Based Planning	Kansas	State applies a tiered approach where communities become eligible for a tier of funding as they move through each phase building toward an implementable WBP. The phases include Development (1 year), Assessment (1 year), Planning (1 year), and Implementation.	reed.amanda@epa.gov
Watershed Plan Tool	Massachusetts	Tool provides step by step guidance to develop a WBP. The primarily goal was to assist Section 319 grantees lacking technical capacity with the development of nine-element WBP to later conduct implementation projects. Outreach may be important to expand use beyond consultants.	Watershed Plan Tool
Focus on small scale efforts	Iowa	Iowa implemented a statewide beach bacteria total maximum daily load (TMDL). Currently Iowa is working with DNR Parks to develop the first beachshed plan. Beachshed plans focus on a smaller area, as opposed to a watershed, which is relevant to equity because beach use is free.	Beach Bacteria TMDLs
Partnerships with Watershed Management Authorities	Meskwaki Nation	The Iowa River goes through the Meskwaki Nation which is impacted by nutrients and bacteria pollution coming from agriculture and riverbank erosion. As a strategy to deal with upstream sources, Meskwaki Nation helped organize and facilitate watershed planning discussion with a Watershed Management Authority. The river was broken into segments to bring together groups with some limited control.	stephen.hopkins@dnr.iowa.gov

Approach	Community/ State	Description	Contact
Inter-Tribal Council of Arizona	Tribes in Arizona	Council includes a Tribal Leaders Water Policy Council which is intended to expand Tribal participation in water policy and foster engagement with states and federal bodies. Additionally, the council aims to build capacity by improving accessibility to water management information.	Tribal Leaders Water Quality Council
Developing a Mapper that overlays DACs and Areas Missing WBPs	North Carolina	NC overlaid approved WBPs with approved underserved communities. Next step is to include GIS layers with monitoring and TMDL data to determine how to best support those watersheds and local folks develop WBPs.	doyle.vivian@epa.gov
Building Partnerships with Local Knowledge and Expertise	Global	Building partnerships with a local university or larger watershed group helps disseminate knowledge and expand the reach of efforts.	NA
319 Small Watersheds Focus Program	Minnesota Pollution Control Agency	The small watersheds focus program teams five small watershed to develop a long-term roadmap for implementation efforts. Selected partners receive four, four-year grant awards that provides a steady funding source and maintains implementation momentum for measurable water quality improvements.	319 Small Watersheds Focus Program

NA = not applicable

Technical assistance and training best practices

Approach	Community/ State	Description	Reference/Contact
Local and university partnerships for BMP design and installation.	Iowa Americorp	Utilizes local resources and partners for BMP design, installation, and monitoring.	https://blackhawkswcd.org/dry-run-creek/
Support from colleges and universities.	College/Underserved Community Partnership Program (CUPP) Region 4	DACs can receive technical assistance from enlisted colleges and universities. Technical support has been provided via student internships, practicums, and capstone projects. Specific examples for 319 include grant writing training and watershed modeling.	CUPP
TMDL Mapping Tool	EPA Region 10	EPA, DEQ, and contractors developed tools accessible to users without an engineering background which included a temperature mapping tool, TMDL low impact development (LID) Implementation Tool, and a total organic carbon sources assessment and spreadsheet tool.	Coquille River Watershed TMDL Mapping Tool
Clean Water Toolkit	Massachusetts	Offers information on a suite of BMPS for a wide variety of NPS scenarios such as agricultural, urban stormwater, and forestry.	Clean Water Toolkit
Alternative TMDL Workgroup	Pechanga Band of Luiseño Indians	The workgroup was a part of the local watershed group that created an alternative TMDL. The relationship connected Pechanga Band of Luiseño Indians with other agencies adjacent to the reservation and brought in funding from the states for modeling.	Santa Margaritas nutrient alternative TMDL
Technical Assistance Staff	Michigan	Technical assistance staff are involved with outreach, support, site visits, and development of ideas for competitive proposals. Example of other support activities include collecting and analyzing soil borings.	Michigan NPS staff

Approach	Community/ State	Description	Reference/Contact
Regional NPS coordinators	Massachusetts	Regional NPS coordinators (through 319) work within their areas to identify projects, write proposals, and manage grants. They partner with local communities to conduct planning and implementation projects and provide technical expertise that many small towns lack.	judith.rondeau@state.ma.us
Center of Excellence for Watershed Management (CEWM)	Alabama	Auburn University was designated as a Center of Excellence for Watershed Management in partnership with EPA Region 4 and Alabama Department of Environmental Management. The CEWM sought out stakeholders in need of scientific reporting, engineering support, watershed planning, and other needs. The CEWM worked with both priority watersheds and watersheds in their geographic area of influence.	Williams.Darryl@epa.gov