

Water Quality Partnership

March 21, 2023



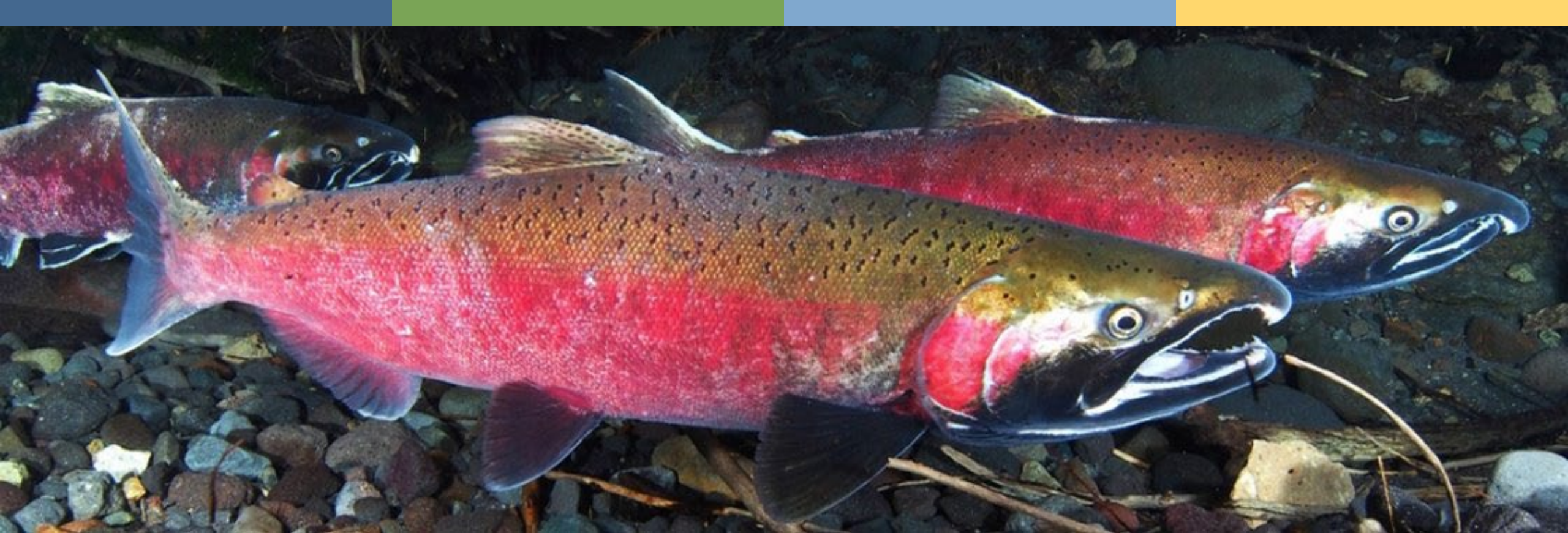
Welcome & Program Updates	Vince McGowan	10:00 – 10:10
6PPD	Madison Bristol	10:10 – 10:35
General Permit updates	Lucienne Banning	10:35 – 11:00
Grant and Loan updates	Jessica Schwing	11:00 – 11:20
Watershed Management Updates	Bryson Finch, Melissa Gildersleeve, Hannah Coe	11:20 – 11:40
Roundtable	All	11:40 – 11:55
Wrap up	Colleen Keltz	11:55 – 12:00



DEPARTMENT OF
ECOLOGY
State of Washington

Welcome and Updates

Vince McGowan



6PPD: Stormwater Management of Toxic Tire Chemicals

Water Quality Partnership

March 21, 2024

Madison Bristol

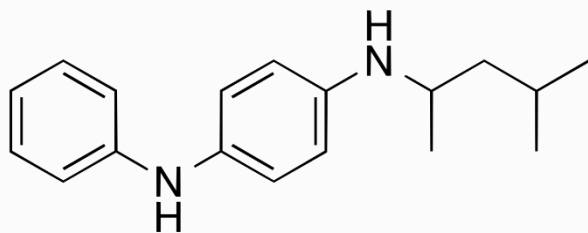
Agenda

- Ecology's agency strategy
- Stormwater best management practices (BMP) effectiveness research and funding
- Highlighting collaborative actions: 6PPD Action Plan

6PPD and 6PPD-quinone

6PPD

N-(1,3-dimethylbutyl)-*N'*-phenyl-*p*-phenylenediamine

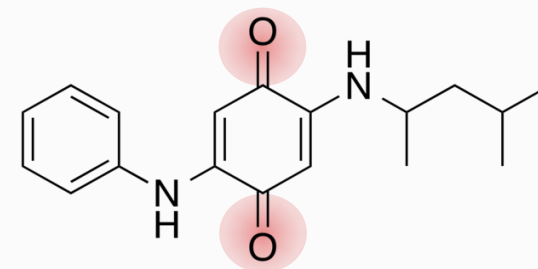


ozone and
tire wear
particles



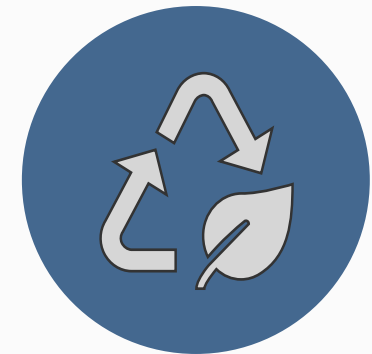
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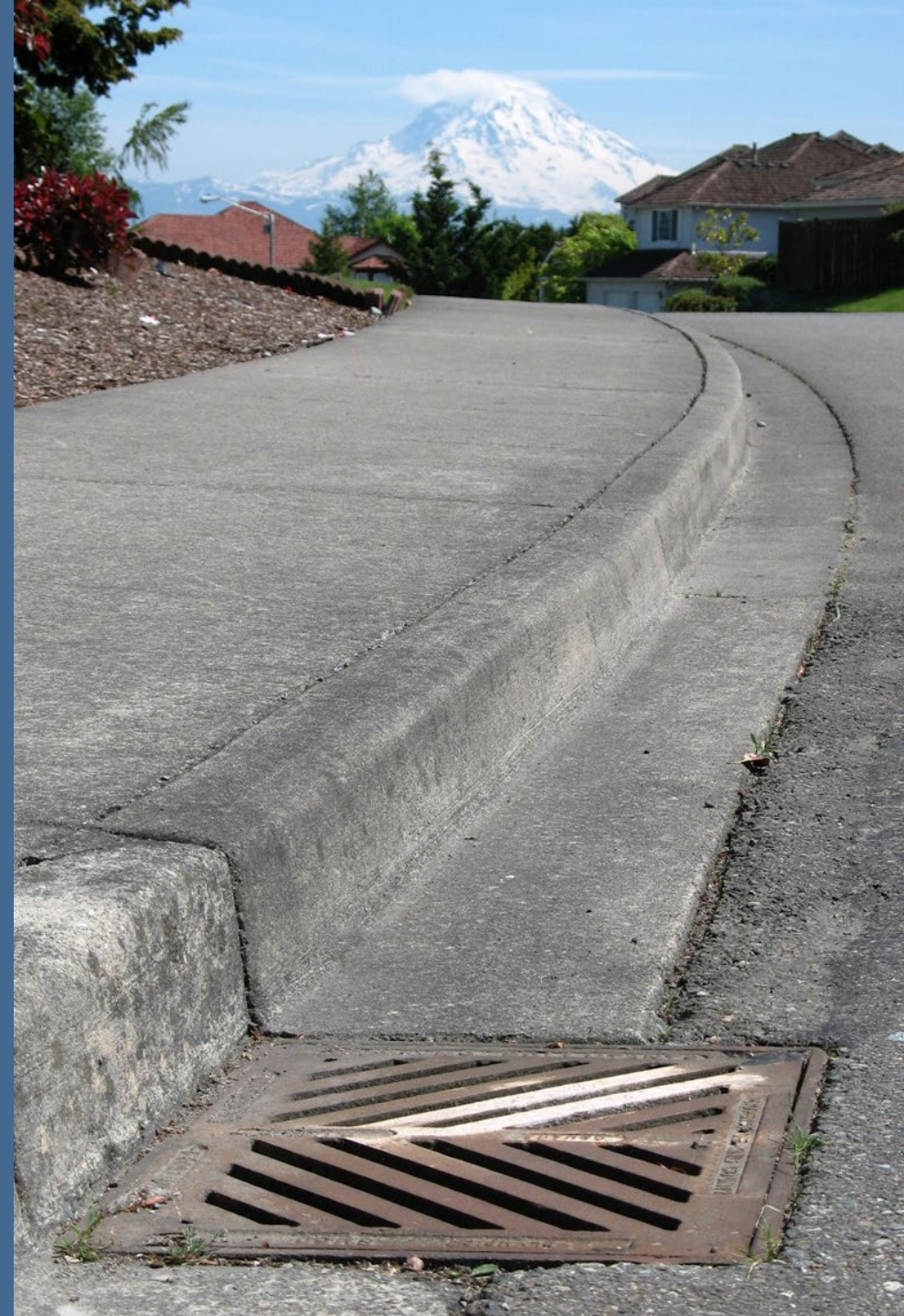
Ecology's Agency Strategy

- Reducing sources of 6PPD and evaluating safer alternatives
- Mapping and monitoring to support stormwater planning
- Researching and implementing **stormwater best management practices**
- Beginning to evaluate **tire recycling and disposal impacts**





Stormwater Best Management Practices (BMPs)



Washington State Department of Ecology

**STORMWATER TREATMENT OF TIRE CONTAMINANTS
BEST MANAGEMENT PRACTICES EFFECTIVENESS**

Final Report | June 2022



Completed Project: Osborn & Evergreen StormH2O Consulting

- Researched and conducted a literature review on how effective current BMPs are at addressing tire contaminants
- Published a report describing the potential effectiveness of:
 - Source Control BMPs
 - Flow Control BMPs
 - Runoff Treatment BMPs

Ongoing Projects

- **King County** – Testing 4 High Performance Bioretention Soil Mixes (HPBSM) testing
- **UW-Tacoma** – Comparing the contaminant capture of engineered medias, commercial sorbent components, and simplified soils

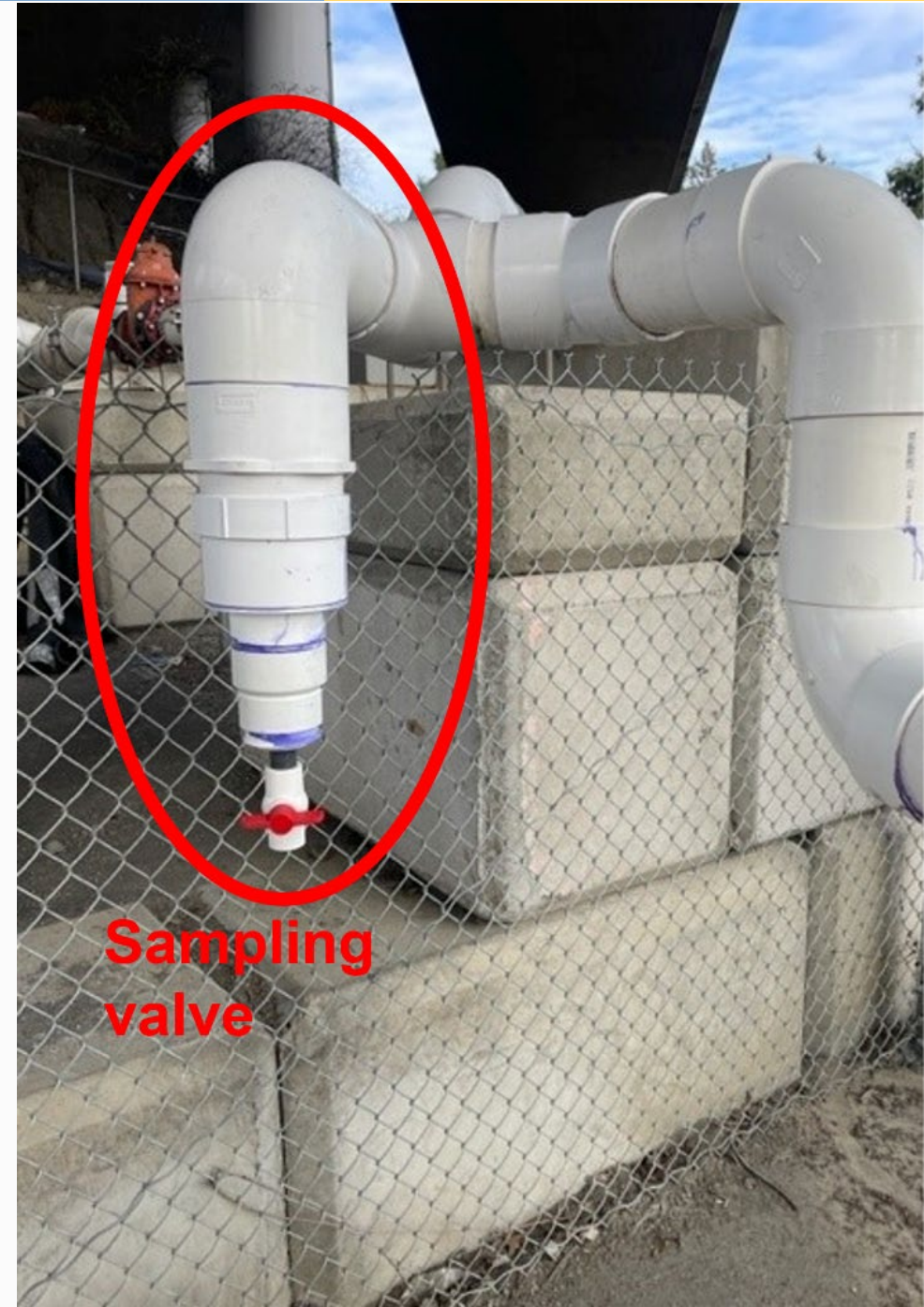
Photo: Shelby Giltner



Ongoing Projects

- **King County Environmental Lab** – mixed highway & residential stormwater characterization study
- **Herrera** – testing influent and effluent with TAPE devices for removal of 6PPD-q in Seattle and Portland
- **New studies** – Embankments, decant facilities, native plants & floating wetlands

Photo: King County Environmental Lab



Stormwater Action Monitoring Program

- Permittee-driven research to improve the effectiveness of municipal stormwater management programs
- Research with 6PPD-q as a parameter:
 - **WSU-Puyallup** – longevity of bioretention media
 - **Redmond** – street sweeping effectiveness
 - **WA Stormwater Center** - Street sweeping research synthesis
 - **Seattle Public Utilities** - Street sweeping load reductions
 - **King County** - HPBSM at full-scale facility
 - **City of Tacoma** – Monitoring contaminants of emerging concern

Funding for 6PPD BMP Effectiveness Research

DETAILS	6PPD IAAs	Stormwater SIL RFP
Qualifying Applicants	Tribal Nations and public organizations as defined by RCW 39.34.020	Public or non-profit organizations or Tribal Nations around Puget Sound
Available Funding	\$500,000	\$1.5 million
Number of Awards	5 to 15 awards	3 to 15 awards
Duration of Projects	Until June 2025*	Until December 2027
Solicitation Opens	Proposals considered on a rolling basis	March 20, 2024
Application Deadline	Proposals considered on a rolling basis	May 22, 2024

Contact: madison.bristol@ecy.wa.gov

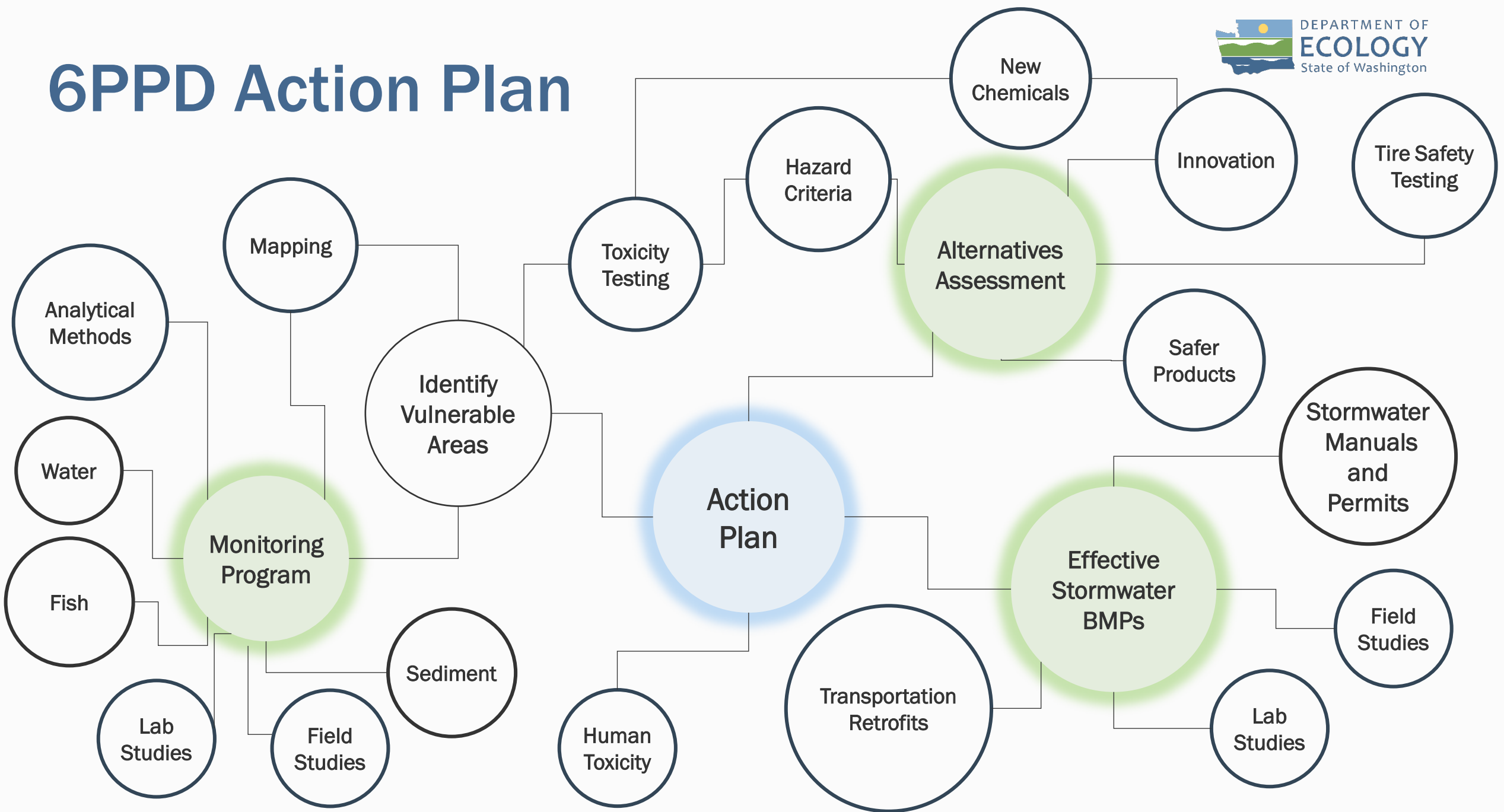


Collaboration

Photo: Eiko Jones



6PPD Action Plan



6PPD Action Plan

- Not a Chemical Action Plan (CAP)
 - Will follow WAC 173-333 – Advisory Committee, environmental justice review, human health and environmental impacts
- Advisory Committee – February to April 2024
 - 6PPD research needs, data gaps, and budget requests to the Legislature
 - Over 75 participants, including 12 Tribal representatives
- Review of report and publication – May to December 2024

Key Takeaways

- Ongoing research is helping **fill the many knowledge gaps** surrounding 6PPD and informing sound policy and technical decisions
- Stormwater BMPs help us **act now** to reduce or prevent ongoing harm from 6PPD
- **Collaborative actions**, like the 6PPD Action Plan, allow us to research and implement 6PPD solutions that are **timely, equitable, and effective.**



Questions?



ADA Accessibility

The Department of Ecology is committed to providing people with disabilities access to information and services by meeting or exceeding the requirements of the Americans with Disabilities Act (ADA), Section 504 and 508 of the Rehabilitation Act, and Washington State Policy #188.

To request an ADA accommodation, contact Ecology by phone at 360-407-6831 or email at ecyadacoordinator@ecy.wa.gov. For Washington Relay Service or TTY call 711 or 877-833-6341. Visit [Ecology's website](#) for more information.

For more information:

Madison Rose Bristol

6PPD Stormwater Planner

madison.bristol@ecy.wa.gov



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State of Washington

General Permit Update

Water Quality Partnership Meeting

Thursday, March 21, 2024

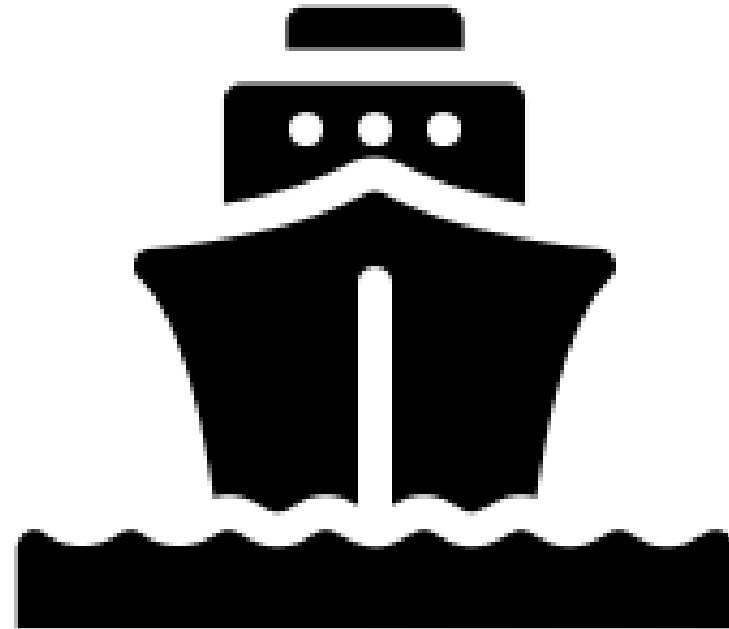
Lucienne Banning



■

Activities First Quarter 2024

Vessel Deconstruction
General Permit



Activities

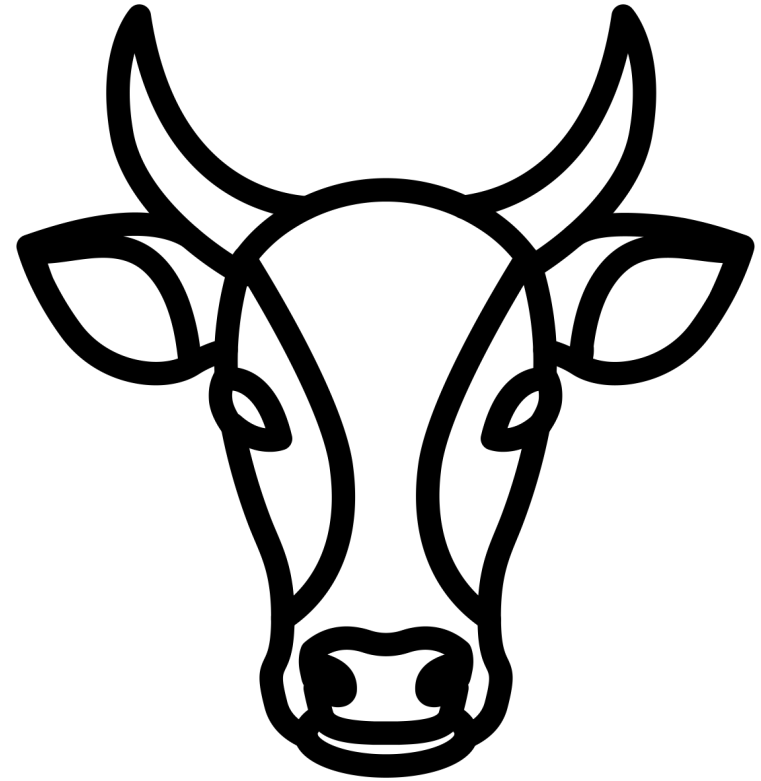
First Quarter 2024 – Cont'd

- Mosquito Response to Comments
- Winery Response to Comments
- Water Treatment Plants Public Comment Period



GENERAL UPDATE

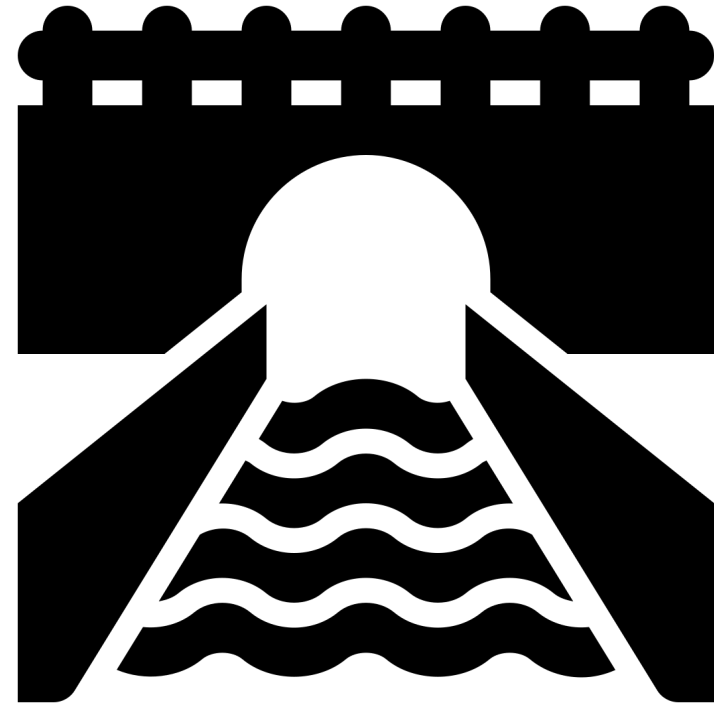
CAFO
General Permit



Ongoing GP Activities 2024

Irrigation System
Aquatic Weed Control
General Permit

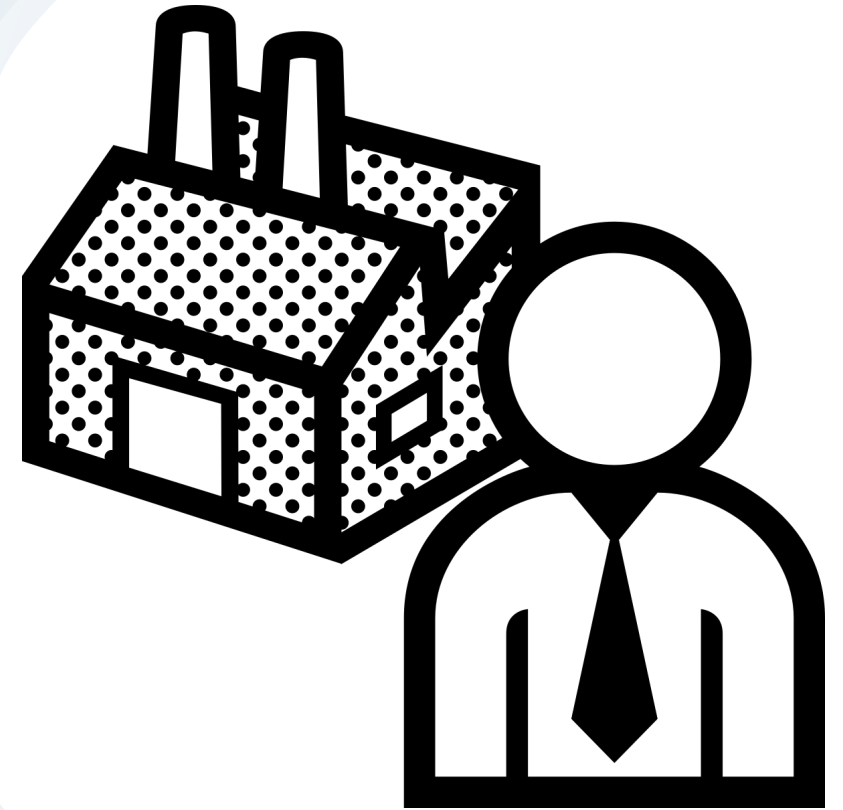
Appeal and
implementation



Ongoing GP Activities 2024

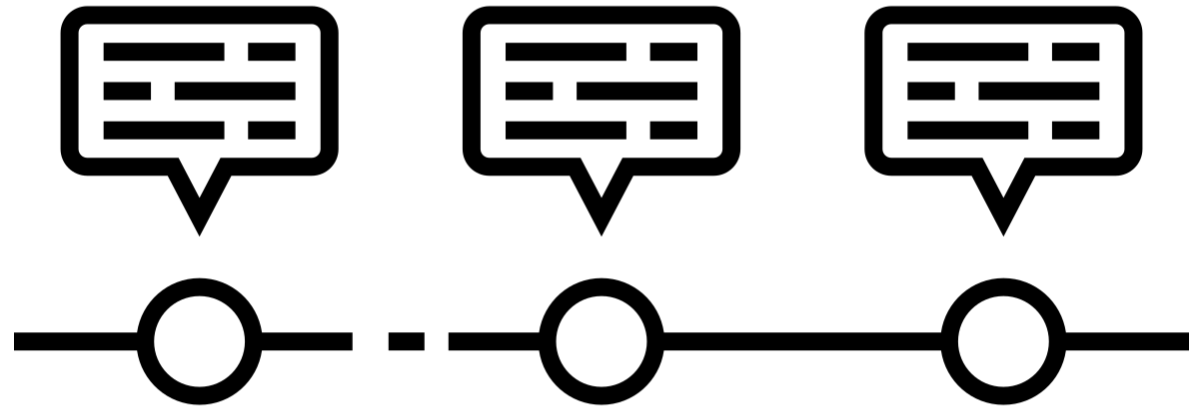
Industrial Stormwater
General Permit

Reissuance and Listening
Sessions



Ongoing GP Activities 2024 - Cont'd

- Noxious Weed
- Municipal Stormwater
- Puget Sound Nutrient





DEPARTMENT OF
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State of Washington

Grant and Loan Updates

Jessica Schwing

Sarah Ponte



DEPARTMENT OF
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SFY25 Offer List Overview

March 21, 2024

Jessica Schwing

SFY25 Offer List Timeline

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March - June

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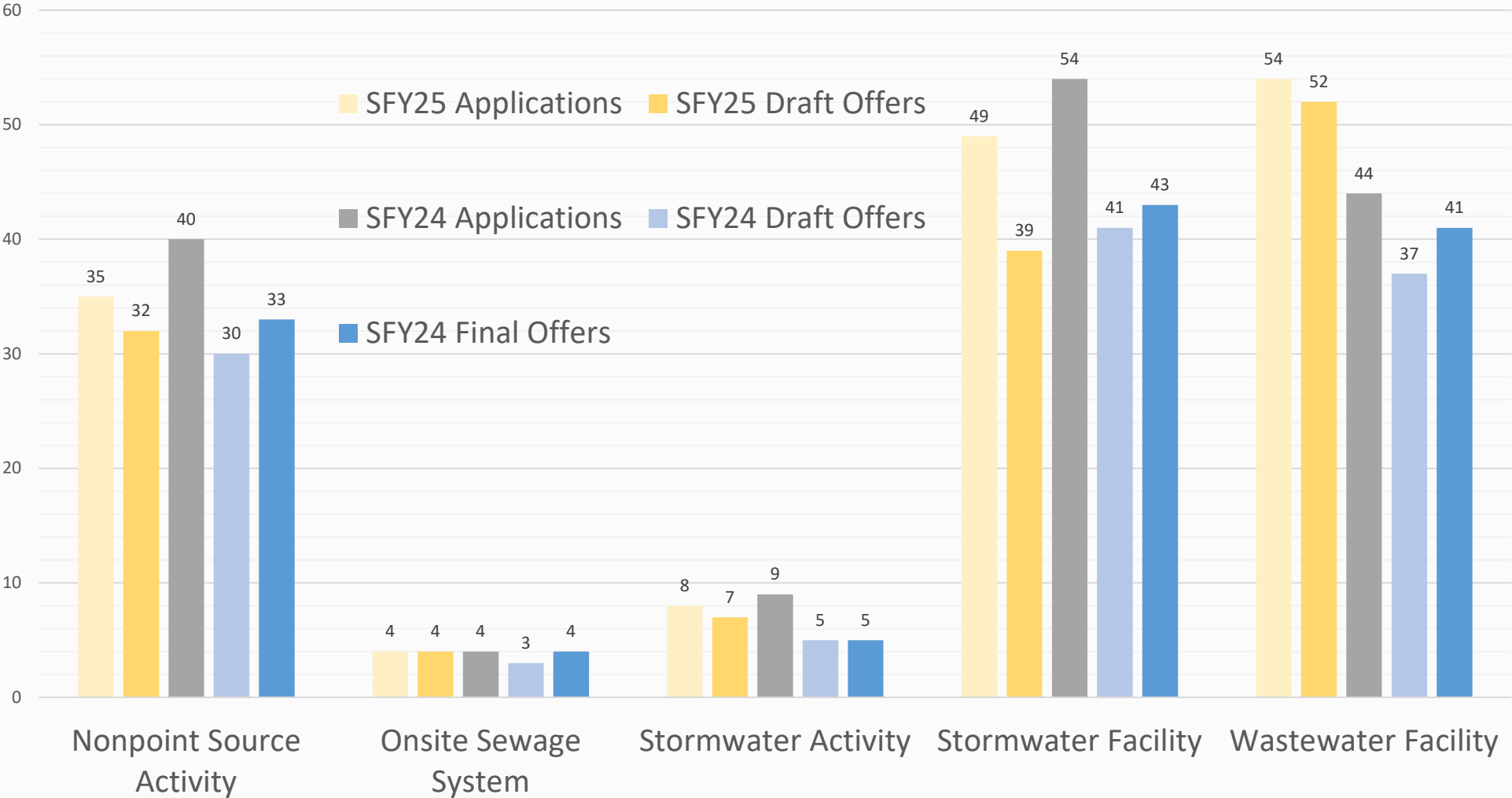
July 1

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- Negotiation officially begins
- Funding turns green

Funding Source Estimates for SFY25

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- Sortable Excel list
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Grant-funded projects - Washington State Department of Ecology

<https://ecology.wa.gov/issues-and-local-projects/investing-in-communities/eagl-map>

- Interactive Map of all Ecology-Funded Projects

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GovDelivery

Water Quality Program

- CRUISESHIP-MOU
- ECOLOGY-BOATYARDGENERALPERMIT
- ECOLOGY-CONSTRUCTION-STORMWATER
- ECOLOGY-FRESHWATER-ALGAE-PROGRAM
- ECOLOGY-SANDGRAVELPERMIT
- ECOLOGY-WATER-QUALITY-INFO
- ECOLOGY-WW-OPCERT
- ECY-AQUATIC-PESTICIDE-PERMITS
- ECY-CAFO-GP
- ECY-WINERY-PERMIT
- ECY-WQ-GRANTS-LOANS
- FRUIT-PACKING-PERMIT
- IRRIGATION-SYSTEM-NPDES-PERMIT

<https://ecology.wa.gov/About-us/Who-we-are/News/Email-lists>



Comments

Submit specific requests and comments through [eComments](#)

Questions

Eliza Keeley

Eliza.keeley@ecy.wa.gov

(360) 628-1976



DEPARTMENT OF
ECOLOGY
State of Washington

Stormwater Community-Based Public-Private Partnership (CBP3) Program

03/21/2024

Sarah Ponte

Stormwater Community-Based Public-Private Partnership (CBP3) Funding Program

SFY26 will include a new funding stream for stormwater CBP3 and other alternative procurement projects through the Water Quality Combined Funding Program.

<https://ecology.wa.gov/water-shorelines/water-quality/water-quality-grants-and-loans/community-based-public-private-partnership-program>



Source: [CBP3 Guidebook for WA State](#)

Expected Stormwater Community-Based Public-Private Partnership (CBP3) Funding Program Timeline

Sept 2023

We selected a consultant firm, Environmental Incentives

April 2024

Development of Grant Program Guidelines

Aug 2024 – Dec 2024

Solicitation, Identification, and Ranking of Projects

July 2025

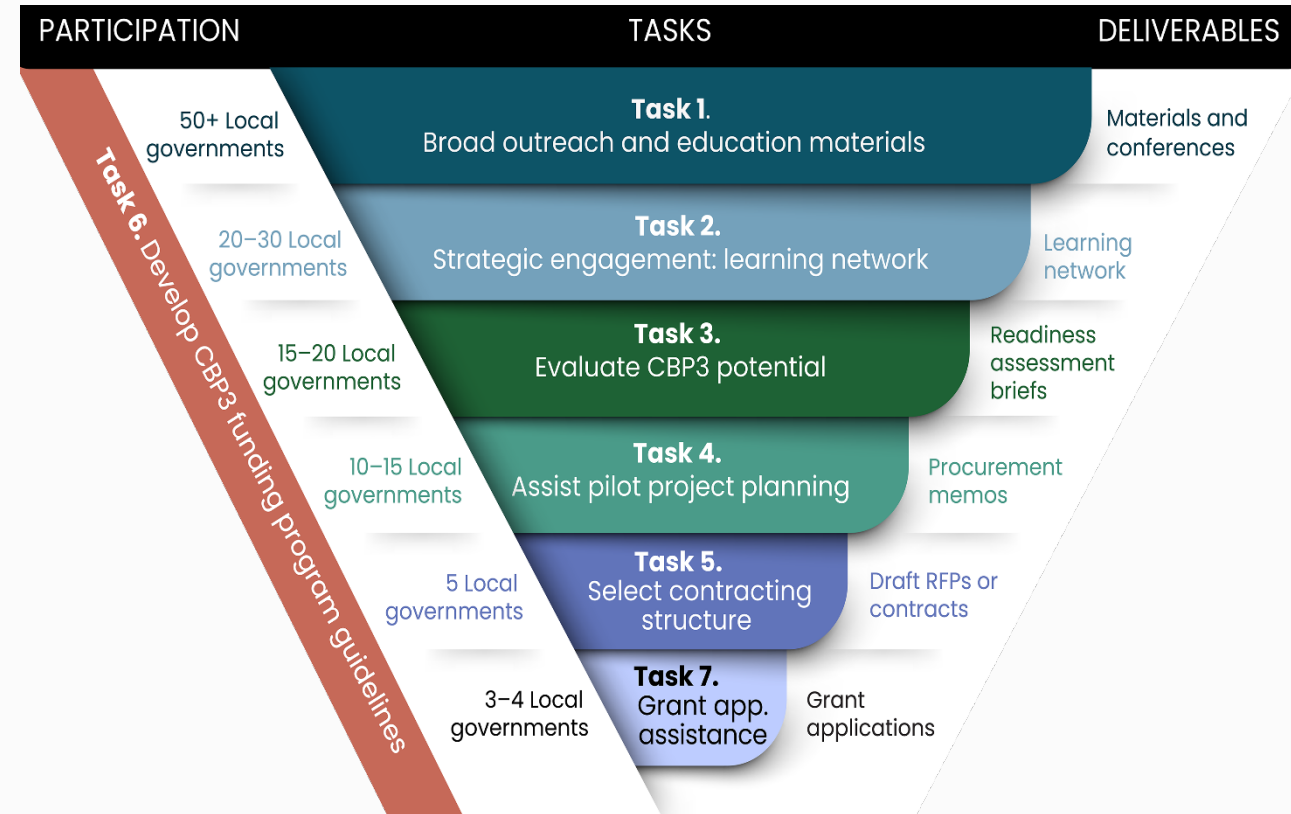
Up to \$3 million awarded to assist development of stormwater CBP3/alternative procurement projects

July 2025 – July 2029

Pilot Projects Planning and Implementation

Phase I: Outreach and Technical Assistance Services to Local Governments

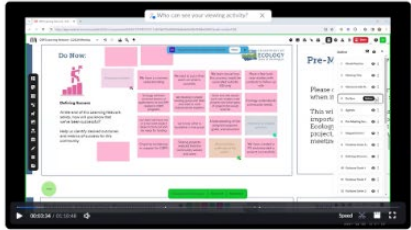
This Program provides technical assistance to Washington state local governments to identify and advance stormwater projects using alternative procurement mechanisms.



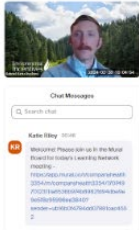
CBP3 Learning Network Collaboration Site

Request for Technical Assistance Form

February 2024



[Meeting Recording](#)



[Meeting Mural](#)



Stormwater CBP3 Learning Network Meeting #3: Applying CBP3 at Multiple Scales

Logistics

Date and Time	Wednesday, February 28th, 10:00 am – 11:30 am Optional Mural practice, 9:45 – 10:00 am
Location	Virtual (Mural and Zoom)

Goal

Overall Goal of the Learning Network

Form a network of local government stormwater program managers and stakeholders interested in Community-based Public Private Partnerships (CBP3) and performance-based contracts to accelerate stormwater project delivery and develop a targeted funding program from the state.

February Meeting Purpose

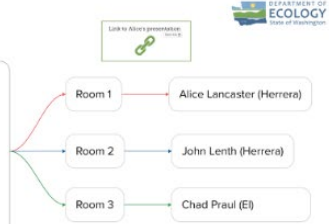
Explore how to apply CBP3 at multiple scales, including smaller-scale CBP3s and other performance contracts, to help Washington communities achieve their stormwater goals.

Detailed Agenda

Agenda Item	Lead	Time	Objectives
OPTIONAL Pre-meeting Mural Practice	Gabe Kirtz, Environmental Incentives (EI)	9:45-10:00a	Optional Mural practice for those who would like to familiarize themselves with the platform.

Breakout Activity

We'll use our breakouts to further explore the contracts and scenarios discussed in today's presentations, with guiding questions as conversation prompts. We will spend **20 min** in breakouts and then do quick report outs in plenary.



[Meeting Mural \(PDF format\)](#)



Request for Technical Assistance - Washington Stormwater CBP3 Project

Who should complete this form?

Any municipality, local government, or other entity interested in receiving technical assistance from the Stormwater CBP3 project team to advance a community-based public-private partnership (CBP3) or alternative procurement project.

Information related to the questions below does not need to be complete or final. Additionally, submitting this form does **not** guarantee that technical assistance will ultimately be provided.

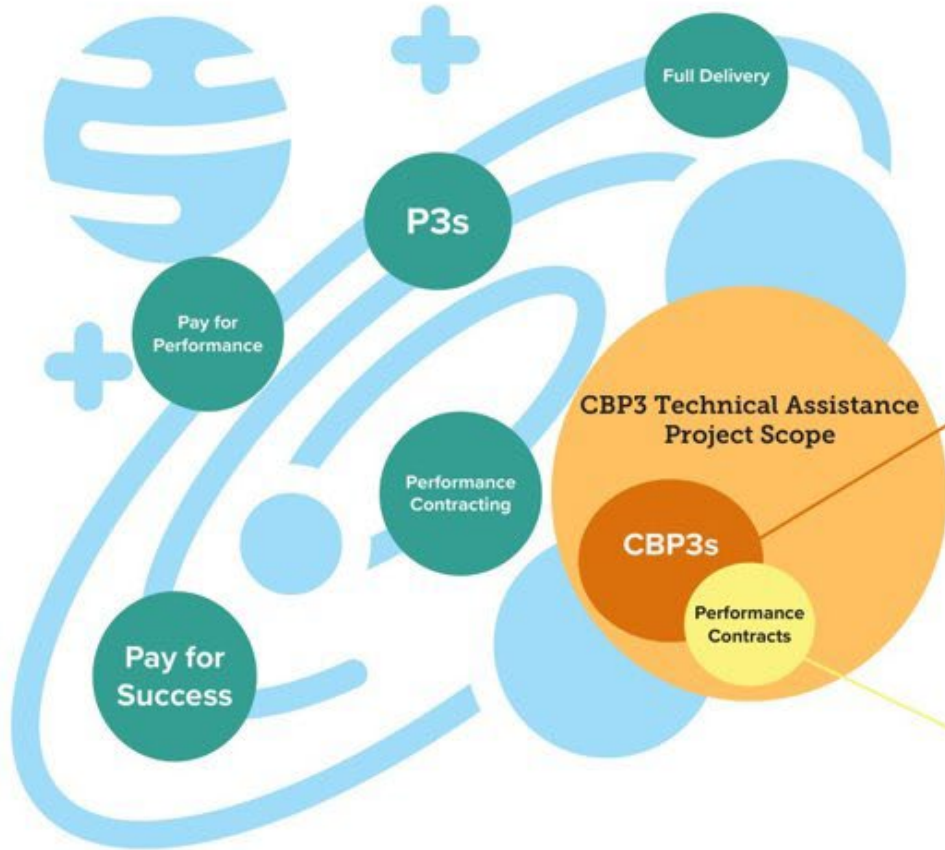
How will this form be used?

- To identify technical assistance needs
- To identify potential projects
- To inform future Learning Network topics
- To inform the development of future funding programs

Please refer to the [Washington CBP3 Guidebook](#) or contact Sarah Ponte at sarah.ponte@ecy.wa.gov | (564) 669-4701 or Gabriel Kirtz at gkirtz@enviroincentives.com | (858) 284-4075 for assistance completing this form.

Defining Alternative Procurement

There is a whole universe of terminology around alternative procurement



A Community-based Public-Private Partnership (**CBP3**) is a type of P3 that (Guidebook definition)

- 1) creates a partnership between a municipality and a private entity;
- 2) measures benefits beyond stormwater that are valuable to the community; and
- 3) develops green stormwater infrastructure.

These elements are beneficial when applied where relevant, but not all of them will be required for grant eligibility.

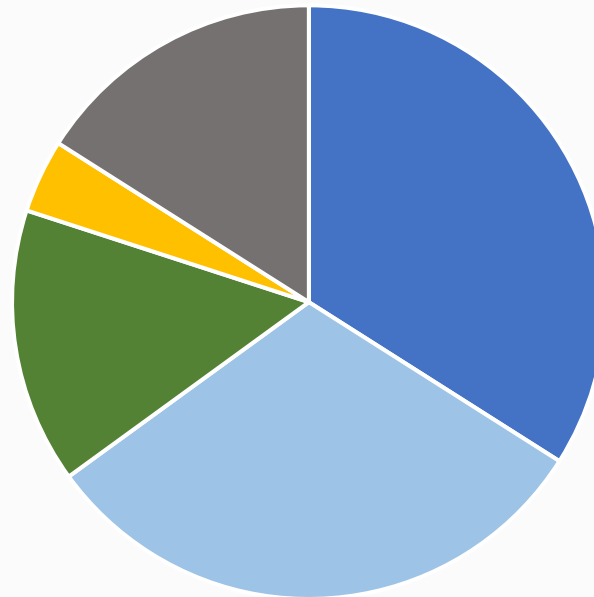
Performance Contracts condition payments based on defined performance outcomes that reflect the quality of the project delivered. They include:

- 1) performance measures,
- 2) verification processes, and
- 3) payment terms based on outcomes

Performance contracts are an important element of CBP3s (both single project CBP3s and larger, programmatic CBP3s), but can be used on projects that don't meet all the criteria for a CBP3.

Learning Network Participation

Learning Network Kickoff Meeting



~ 130 participants in total

- Stormwater Program Managers
- Private Sector
- None of the above
- Other local government staff
- Non-profit/CBO

Do Now:



Defining Success

At the end of this Learning Network series, how will you know that we've been successful?

Help us identify desired outcomes and metrics of success for this community.



Ecology embraces the 'C' in CBP3 and explicitly defines program 'success' with value metrics beyond water quality widgets

Support to jurisdictions on building their business case from the public side... knowing their guardrails for a high public value per unit price of WQ mngmt, before entering into negotiations with a private partner

Meet and greet with a full range of firms working in this space, particularly as prospective P3 Primes... but also engagement and technical subs... including but not limited to Corvias. Build a robust WA State ecosystem of P3 private partners. Avoid optics of 'king making' by platforming only three firms via the TA team, wonderful as those 3 are..

Explicitly address how to structure any kind of P3 so the economic benefits accrue to local firms, MBEs, and community-based organizations, not only to large regional or national engineering or planning firms, likely exclusively white/white led.

Understand better how this will benefit our economic development strategy

We have a common understanding

We start to put a finer point on what is possible

We learn about how this process might be expanded outside GSI only

Have a few local case studies with contacts to follow up with

Explicitly address how this work supports community wealth building in communities historically pushed to the economic margins in government contracts due to structural racism

Ecology will have received dozens of applications for any RFP related to CBP3 programs

We develop a smaller working group with folks who want to work independently together

Show how this would work with smaller scale projects and what types of projects this would work for

Ecology understands community needs.

At the end of this Learning Network series, how will you know that we've been successful?

Help us identify desired outcomes and metrics of success for this community.

Our team will have one or a few solid project ideas to flush out and be ready for funding

we know what is fundable in the grant

Understanding of the program purpose, goals, and structure

Gain better understanding of eligible projects.

Common definition on eligible projects (scope) and roles/responsibilities between all parties; Community, Public, and Private Sector.

Ongoing workgroup or support for CBP3

Seeing projects realized that the community values and uses

Municipalities understand the public trust role in structuring any kind of P3, to ensure a 'good buy' for the public and prevent simple privatization of public sector roles

We have created a P3 and executed a project successfully

Address different approaches to project sourcing.

Leverage CBP3 for developing stormwater parks

Would really love a session for jurisdictions to brainstorm/dream big together on the kinds of community benefits and associated metrics that can be included in P3s, beyond what has already been codified into KPIs in the handful of existing programs... It's still very early days in these models... LET'S SHOOT FOR THE MOON ON PUBLIC

Ecology knows what they need to do to lower barriers for participation by nonprofits in public-facing CBPs in WA esp in SW WA

Current needs and knowledge gaps of learning network participants

- Establishing per unit price benchmarks to determine public benefit
- Developing metrics to assess water quality and community benefits
- What do contracts require regarding verification, monitoring, and maintenance?
 - Template for third party verification contracts
 - Addressing unknown challenges in contracting within respective jurisdictions
- CBP3 scalability

What is coming next?

- Deadline to complete the CBP3 Request for Technical Assistance Form: March 31, 2024
- Next Learning Network Workshop: June 2024
- Stormwater Application Workshop: August 13, 2024
- SFY26 WQC Application: mid-August to mid-October 2024
- Technical Assistance until June 2025
 - Readiness Assessment
 - Procurement Plans
 - Contract Structure
 - Grant application assistance

Thank you!

Sarah Ponte

Stormwater Public-Private Partnership
Planner

sarah.ponte@ecy.wa.gov

(546) 669-4701

Jessica Schwing

Stormwater Financial Assistance Unit
Supervisor

jessica.schwing@ecy.wa.gov

(564) 999-1267





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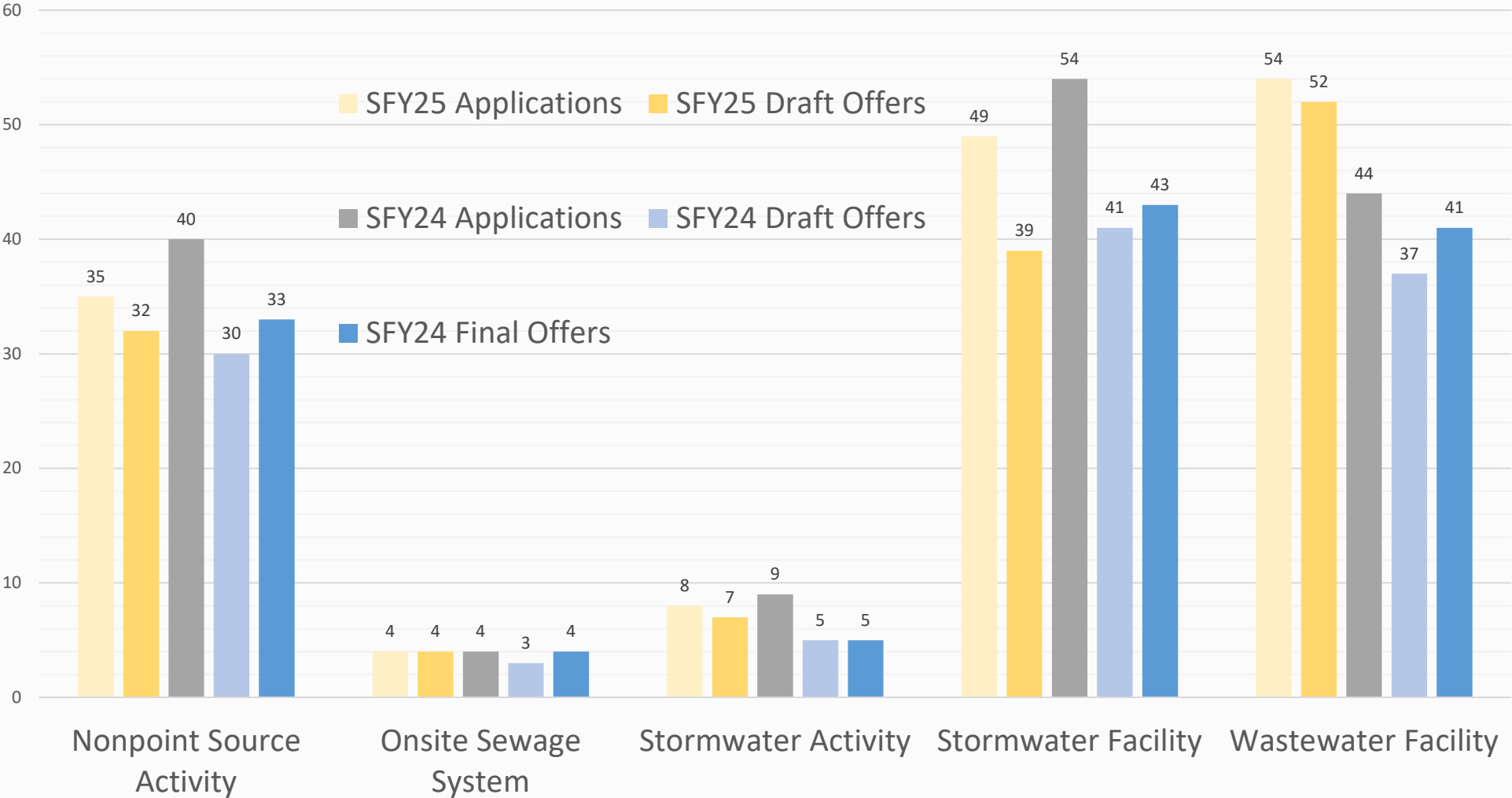
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GovDelivery

Water Quality Program

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Eliza Keeley

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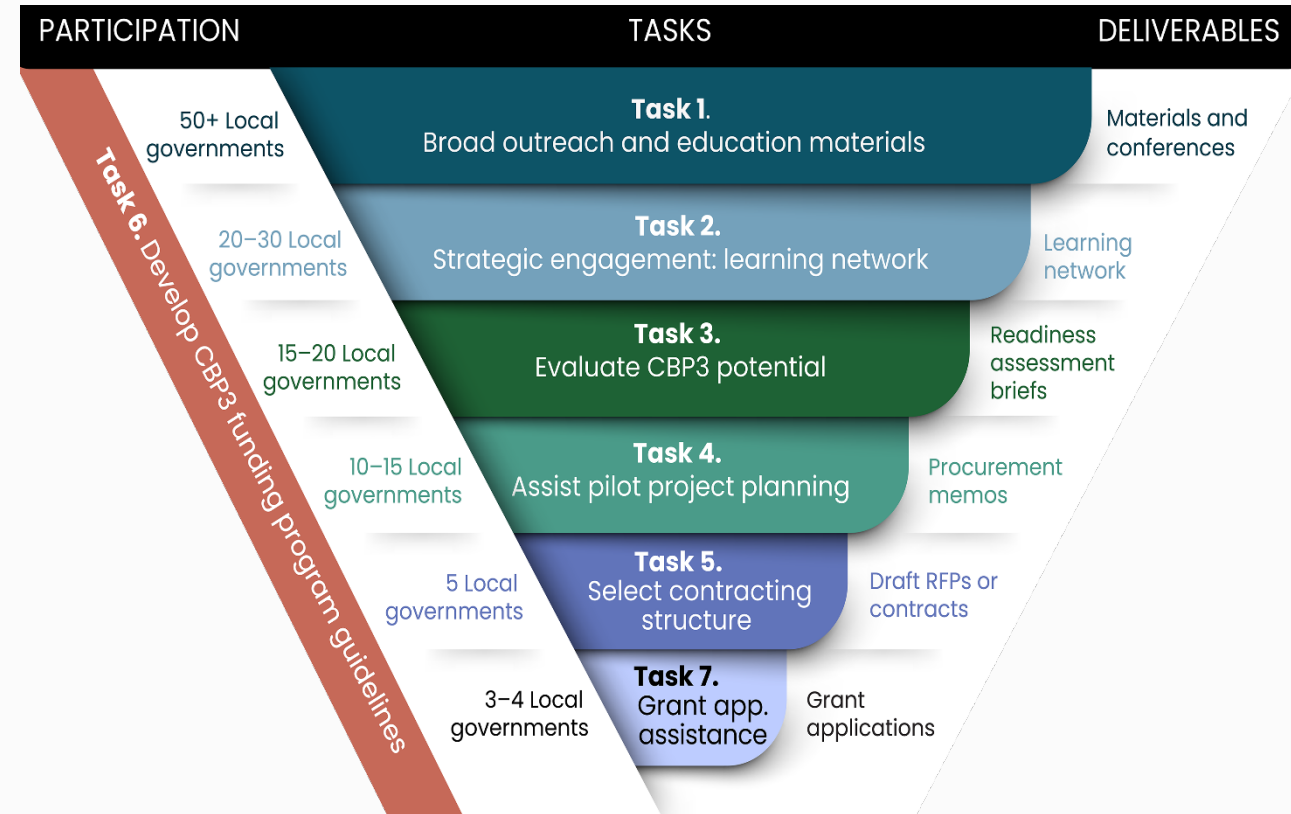
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Pilot Projects Planning and Implementation

Phase I: Outreach and Technical Assistance Services to Local Governments

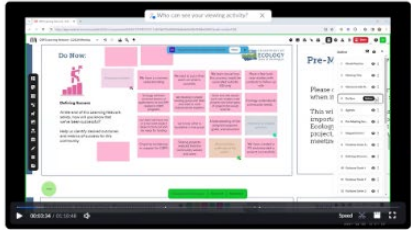
This Program provides technical assistance to Washington state local governments to identify and advance stormwater projects using alternative procurement mechanisms.



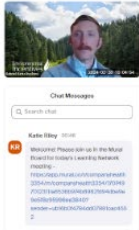
CBP3 Learning Network Collaboration Site

Request for Technical Assistance Form

February 2024



[Meeting Recording](#)



[Meeting Mural](#)



Stormwater CBP3 Learning Network Meeting #3: Applying CBP3 at Multiple Scales

Logistics

Date and Time	Wednesday, February 28th, 10:00 am – 11:30 am Optional Mural practice, 9:45 – 10:00 am
Location	Virtual (Mural and Zoom)

Goal

Overall Goal of the Learning Network

Form a network of local government stormwater program managers and stakeholders interested in Community-based Public Private Partnerships (CBP3) and performance-based contracts to accelerate stormwater project delivery and develop a targeted funding program from the state.

February Meeting Purpose

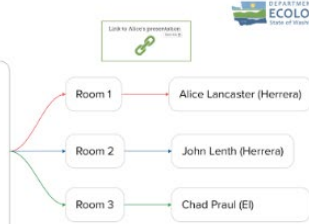
Explore how to apply CBP3 at multiple scales, including smaller-scale CBP3s and other performance contracts, to help Washington communities achieve their stormwater goals.

Detailed Agenda

Agenda Item	Lead	Time	Objectives
OPTIONAL Pre-meeting Mural Practice	Gabe Kirtz, Environmental Incentives (EI)	9:45-10:00a	Optional Mural practice for those who would like to familiarize themselves with the platform.

Breakout Activity

We'll use our breakouts to further explore the contracts and scenarios discussed in today's presentations, with guiding questions as conversation prompts. We will spend **20 min** in breakouts and then do quick report outs in plenary.



[Meeting Mural \(PDF format\)](#)



Request for Technical Assistance - Washington Stormwater CBP3 Project

Who should complete this form?

Any municipality, local government, or other entity interested in receiving technical assistance from the Stormwater CBP3 project team to advance a community-based public-private partnership (CBP3) or alternative procurement project.

Information related to the questions below does not need to be complete or final. Additionally, submitting this form does **not** guarantee that technical assistance will ultimately be provided.

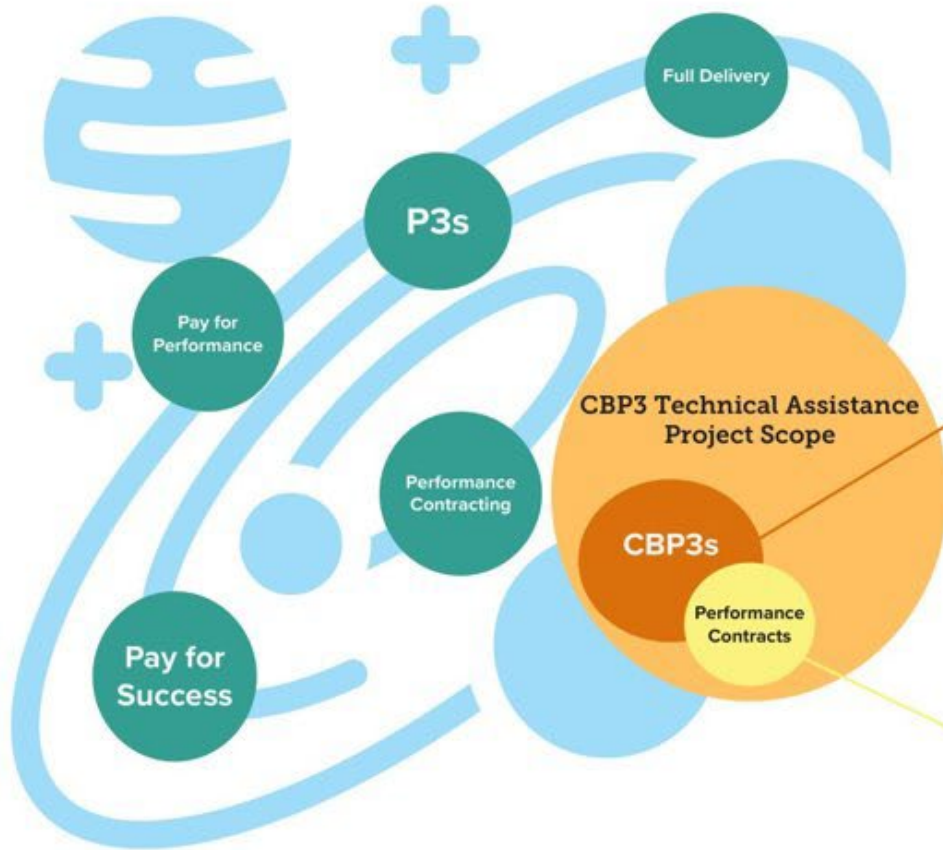
How will this form be used?

- To identify technical assistance needs
- To identify potential projects
- To inform future Learning Network topics
- To inform the development of future funding programs

Please refer to the [Washington CBP3 Guidebook](#) or contact Sarah Ponte at sarah.ponte@ecy.wa.gov | (564) 669-4701 or Gabriel Kirtz at gkirtz@enviroincentives.com | (858) 284-4075 for assistance completing this form.

Defining Alternative Procurement

There is a whole universe of terminology around alternative procurement



A Community-based Public-Private Partnership (**CBP3**) is a type of P3 that (Guidebook definition)

- 1) creates a partnership between a municipality and a private entity;
- 2) measures benefits beyond stormwater that are valuable to the community; and
- 3) develops green stormwater infrastructure.

These elements are beneficial when applied where relevant, but not all of them will be required for grant eligibility.

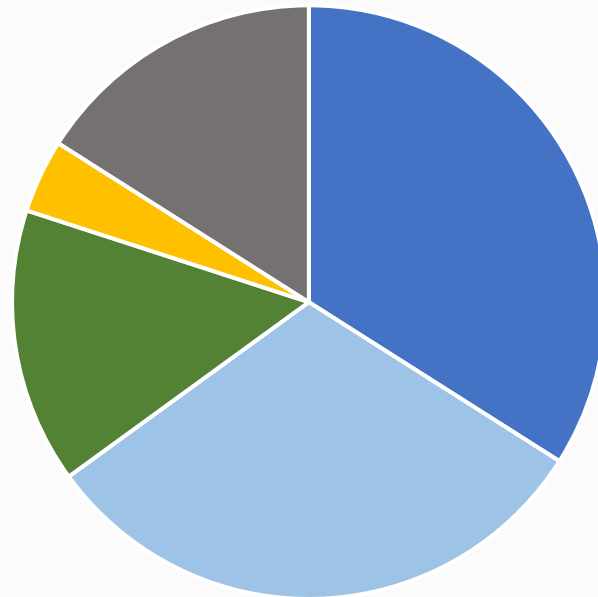
Performance Contracts condition payments based on defined performance outcomes that reflect the quality of the project delivered. They include:

- 1) performance measures,
- 2) verification processes, and
- 3) payment terms based on outcomes

Performance contracts are an important element of CBP3s (both single project CBP3s and larger, programmatic CBP3s), but can be used on projects that don't meet all the criteria for a CBP3.

Learning Network Participation

Learning Network Kickoff Meeting



~ 130 participants in total

- Stormwater Program Managers
- Private Sector
- None of the above
- Other local government staff
- Non-profit/CBO

Do Now:



Defining Success

At the end of this Learning Network series, how will you know that we've been successful?

Help us identify desired outcomes and metrics of success for this community.

Ecology embraces the 'C' in CBP3 and explicitly defines program 'success' with value metrics beyond water quality widgets

Support to jurisdictions on building their business case from the public side... knowing their guardrails for a high public value per unit price of WQ mngmt, before entering into negotiations with a private partner

Meet and greet with a full range of firms working in this space, particularly as prospective P3 Primes... but also engagement and technical subs... including but not limited to Corvias. Build a robust WA State ecosystem of P3 private partners. Avoid optics of 'king making' by platforming only three firms via the TA team, wonderful as those 3 are..

Explicitly address how to structure any kind of P3 so the economic benefits accrue to local firms, MBEs, and community-based organizations, not only to large regional or national engineering or planning firms, likely exclusively white/white led.

Understand better how this will benefit our economic development strategy

We have a common understanding

We start to put a finer point on what is possible

We learn about how this process might be expanded outside GSI only

Have a few local case studies with contacts to follow up with

Explicitly address how this work supports community wealth building in communities historically pushed to the economic margins in government contracts due to structural racism

Ecology will have received dozens of applications for any RFP related to CBP3 programs

We develop a smaller working group with folks who want to work independently together

Show how this would work with smaller scale projects and what types of projects this would work for

Ecology understands community needs.

At the end of this Learning Network series, how will you know that we've been successful?

Help us identify desired outcomes and metrics of success for this community.

Common definition on eligible projects (scope) and roles/responsibilities between all parties; Community, Public, and Private Sector.

Our team will have one or a few solid project ideas to flush out and be ready for funding

we know what is fundable in the grant

Understanding of the program purpose, goals, and structure

Gain better understanding of eligible projects.

Address different approaches to project sourcing.

Ongoing workgroup or support for CBP3

Seeing projects realized that the community values and uses

Municipalities understand the public trust role in structuring any kind of P3, to ensure a 'good buy' for the public and prevent simple privatization of public sector roles

We have created a P3 and executed a project successfully

How to 'find' projects

Leverage CBP3 for developing stormwater parks

Would really love a session for jurisdictions to brainstorm/dream big together on the kinds of community benefits and associated metrics that can be included in P3s, beyond what has already been codified into KPIs in the handful of existing programs... It's still very early days in these models... LET'S SHOOT FOR THE MOON ON PUBLIC

Ecology knows what they need to do to lower barriers for participation by nonprofits in public-facing CBPs in WA esp in SW WA

Current needs and knowledge gaps of learning network participants

- Establishing per unit price benchmarks to determine public benefit
- Developing metrics to assess water quality and community benefits
- What do contracts require regarding verification, monitoring, and maintenance?
 - Template for third party verification contracts
 - Addressing unknown challenges in contracting within respective jurisdictions
- CBP3 scalability

What is coming next?

- Deadline to complete the CBP3 Request for Technical Assistance Form: March 31, 2024
- Next Learning Network Workshop: June 2024
- Stormwater Application Workshop: August 13, 2024
- SFY26 WQC Application: mid-August to mid-October 2024
- Technical Assistance until June 2025
 - Readiness Assessment
 - Procurement Plans
 - Contract Structure
 - Grant application assistance

Thank you!

Sarah Ponte

Stormwater Public-Private Partnership
Planner

sarah.ponte@ecy.wa.gov

(546) 669-4701

Jessica Schwing

Stormwater Financial Assistance Unit
Supervisor

jessica.schwing@ecy.wa.gov

(564) 999-1267





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Watershed Management Update

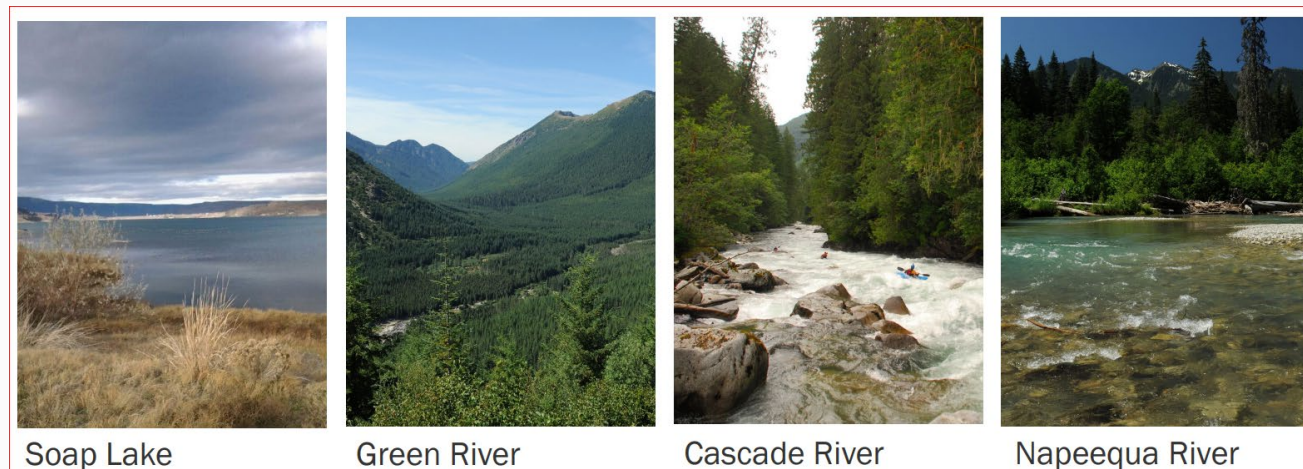
Bryson Finch

Melissa Gildersleeve

Hannah Coe

Water Quality Standards rules

- Chelan UAA – waiting federal action
- Salmon Spawning – waiting federal action
- Outstanding Resource Waters – approval from EPA on March 8, 2024
- Aquatic Life Toxics Criteria – Draft rule package out for public comment
- Natural Conditions – Working on draft rule package for spring roll out



Water Quality Assessment

- Current count is 90 million pieces of data
- Finishing the analysis for external review
 - Tribal review – spring 2024
 - Public review – summer 2024

Litigation (not permit)

EPA Litigation related to Washington Programs

1. 303(d) Pace Case

- TMDLs

- 303d list

2. Puget Sound Nutrient TMDLS

3. Spokane PCB TMDL

4. Toxics Aquatic Life Criteria rule petition

Aquatic Life Toxics Rulemaking

- **Purpose:**

- Update protective values for aquatic life (fish, invertebrates, and plants) from exposure to toxic pollutants

- **History:**

- Last major update in 1992, last minor update in 2007
- Planned to wait until Idaho and Oregon underwent their updates before WA initiated rulemaking
- Currently EPA litigation regarding WA aquatic life criteria

Proposal Overview: Aquatic Life Toxics

- **Highlights:**
 - Updating 16 of 28 existing pollutants
 - Adding 14 new pollutants to water quality standards
 - Not adopting EPA recommendations for 3 pollutants
 - Proposing state-specific 6PPD-q criterion
 - PFOA/PFOS proposed but do not plan to adopt if EPA does not finalize draft recommendations

Proposal Details: Aquatic Life Toxics

- 1. Some criteria were not changed (58 criteria)**
 - Meeting EPA recommendations and no ESA concerns

- 2. Propose to adopt EPA criteria recommendations (51 criteria)**
 - WA existing criteria differs from EPA and there are no known endangered species concerns

- 3. New criteria (36 criteria)**
 - EPA added pollutants to their recommendations since WA last updated their criteria

- 4. Updated criteria based on new science only (12 criteria)**
 - A likely to adversely affect (LAA) or jeopardy determination in Idaho or Oregon for a similarly listed species in WA

Proposal Details: Aquatic Life Toxics

- 5. Increased protection of criteria and reviewed new science (8 criteria)**
 - There was a jeopardy determination for these criteria in Idaho or Oregon for a similarly listed species in WA. Updating criteria using new science alone was not protective of endangered species

- 6. Propose to not adopt EPA criteria recommendations (7 criteria)**
 - Lack of scientific support or high natural variability of pollutant throughout the state

- 7. Developed state-specific criteria (5 criteria)**
 - State-specific direction was most appropriate for emerging chemicals (e.g., 6PPD-q), or new science and tools were available (e.g., silver and copper)

Proposed Revisions to Existing Toxics Criteria

Toxics	Freshwater Acute	Freshwater Chronic	Saltwater Acute	Saltwater Chronic
Aldrin	●		●	
Arsenic	●	●	●	●
Cadmium	●	●	●	●
Chromium III	●	●		
Chromium VI	●	●		
Copper	●	●		
Cyanide	●	●		
Dieldrin	●	●		
Endrin	●	●		
gamma-BHC	●			
Mercury	●			
Nickel	●	●		
Pentachlorophenol	●	●		●
Selenium	●	●		
Silver	●		●	
Zinc	●	●		

New Proposed Toxics Criteria

Toxics	Freshwater acute	Freshwater Chronic	Saltwater Acute	Saltwater Chronic
6PPD-quinone	●			
Aluminum	●	●		
Acrolein	●	●		
Carbaryl	●	●	●	
Demeton		●		●
Diazinon	●	●	●	●
Guthion		●		●
Malathion		●		●
Methoxychlor		●		●
Mirex		●		●
Nonylphenol	●	●	●	●
PFOS	●	●	●	
PFOA	●	●	●	
Tributyltin	●	●	●	●
Silver		●		●

Timeline

Aquatic Life Toxics Criteria Rulemaking



2025 Nonpoint Plan

- Outlines the state's approach for addressing nonpoint pollution
- Ensures eligibility for grant and loan funding
- Due to EPA by December 31, 2025
- Remaining 8 CWG chapters due with 2025 NP Plan



Washington's Water Quality Management Plan to Control Nonpoint Sources of Pollution

Water Quality Program

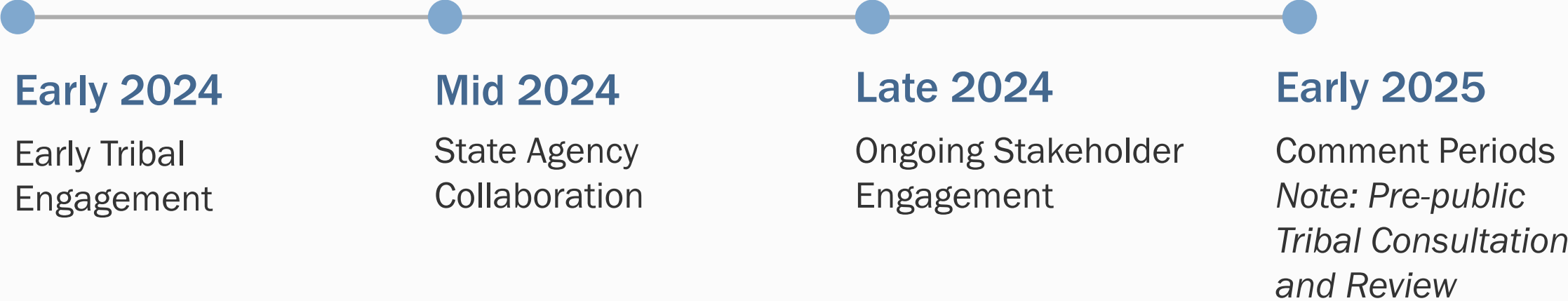
Washington State Department of Ecology
Olympia, Washington

December 2022, Publication 22-10-025

2025 Nonpoint Plan Strategy

- To develop the Plan we are:
 - Responding to changing conditions, addressing emerging challenges, and adapting strategies
 - Incorporating lessons learned from previous Plans
 - Engaging early and often with Tribes and Tribal organizations
 - Listening to partners and communities engaged in nonpoint work

2025 Nonpoint Plan Timeline





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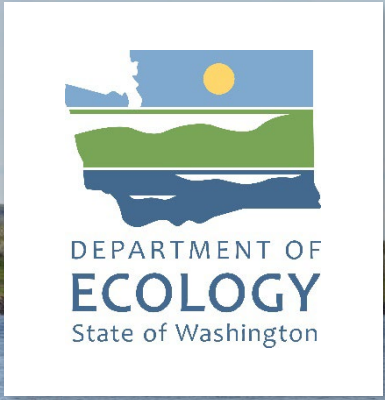
Roundtable



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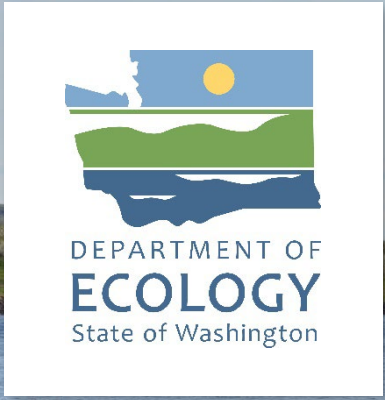
Wrap up

Colleen Keltz



Next meeting date

June 13



Thank you