

**WHATCOM COUNTY CONTRACT
INFORMATION SHEET**

Whatcom County Contract No.
202401027

Originating Department:	Public Works
Division/Program: <i>(i.e. Dept. Division and Program)</i>	Climate Action
Contract or Grant Administrator:	Chris Elder
Contractor's / Agency Name:	Department of Ecology
Is this a New Contract? If not, is this an Amendment or Renewal to an Existing Contract? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Amendment or Renewal, (per WCC 3.08.100 (a)) Original Contract #: _____	
Does contract require Council Approval? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If No, include WCC: _____ Already approved? Council Approved Date: _____ (Exclusions see: Whatcom County Codes 3.06.010, 3.08.090 and 3.08.100)	
Is this a grant agreement? SEASPC-2325- Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, grantor agency contract number(s): <u>WhCoPW-00004</u> CFDA#: _____	
Is this contract grant funded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, Whatcom County grant contract number(s): _____	
Is this contract the result of a RFP or Bid process? Contract Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, RFP and Bid number(s): _____ Cost Center: <u>156400</u>	
Is this agreement excluded from E-Verify? No <input type="checkbox"/> Yes <input type="checkbox"/> If no, include Attachment D Contractor Declaration form.	
If YES, indicate exclusion(s) below: <input type="checkbox"/> Professional services agreement for certified/licensed professional. <input type="checkbox"/> Goods and services provided due to an emergency <input type="checkbox"/> Contract work is for less than \$100,000. <input type="checkbox"/> Contract for Commercial off the shelf items (COTS). <input type="checkbox"/> Contract work is for less than 120 days. <input type="checkbox"/> Work related subcontract less than \$25,000. <input type="checkbox"/> Interlocal Agreement (between Governments). <input type="checkbox"/> Public Works - Local Agency/Federally Funded FHWA.	
Contract Amount:(sum of original contract amount and any prior amendments): \$ <u>(250,000)</u> This Amendment Amount: \$ _____ Total Amended Amount: \$ _____	Council approval required for; all property leases, contracts or bid awards exceeding \$40,000 , and professional service contract amendments that have an increase greater than \$10,000 or 10% of contract amount, whichever is greater, except when: 1. Exercising an option contained in a contract previously approved by the council. 2. Contract is for design, construction, r-o-w acquisition, prof. services, or other capital costs approved by council in a capital budget appropriation ordinance. 3. Bid or award is for supplies. 4. Equipment is included in Exhibit "B" of the Budget Ordinance 5. Contract is for manufacturer's technical support and hardware maintenance of electronic systems and/or technical support and software maintenance from the developer of proprietary software currently used by Whatcom County.
Summary of Scope: Whatcom County will convene a multi-jurisdictional and collaborative partner team to complete a Phase 2 vulnerability assessment for Whatcom County marine and Nooksack riverine shorelines upstream to Deming under projected climate change scenarios. This assessment will inform and support development of needed improvements to shoreline and land use codes and initiate adaptation planning efforts in the most vulnerable communities.	
Term of Contract:	<u>2/1/2024</u>
Expiration Date:	<u>6/30/2025</u>

Contract Routing:	1. Prepared by: <u>CE</u>	Date: <u>1/22/2024</u>
	2. Attorney signoff: <u>Christopher Quinn</u>	Date: <u>1/23/2024</u>
	3. AS Finance reviewed: <u>A Martin</u>	Date: <u>1/23/2024</u>
	4. IT reviewed (if IT related): _____	Date: _____
	5. Contractor signed: <u>✓</u>	Date: <u>2/21/24</u>
	6. Executive contract review: _____	Date: _____
	7. Council approved (if necessary): <u>AB2024-104</u>	Date: <u>2/6/2024</u>
	8. Executive signed: <u>✓</u>	Date: <u>2/21/24</u>
	9. Original to Council: _____	Date: _____



Agreement No. SEASPC-2325-WhCoPW-00004

SHORELANDS SHORELINE PLANNING COMPETITIVE AGREEMENT

BETWEEN

THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

AND

WHATCOM COUNTY PUBLIC WORKS

This is a binding Agreement entered into by and between the state of Washington, Department of Ecology, hereinafter referred to as "ECOLOGY," and Whatcom County Public Works, hereinafter referred to as the "RECIPIENT," to carry out with the provided funds activities described herein.

GENERAL INFORMATION

Project Title:	Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions
Total Cost:	\$250,000.00
Total Eligible Cost:	\$250,000.00
Ecology Share:	\$250,000.00
Recipient Share:	\$0.00
The Effective Date of this Agreement is:	10/02/2023
The Expiration Date of this Agreement is no later than:	06/30/2025
Project Type:	Planning

Project Short Description:

Whatcom County Public Works Department (RECIPIENT) will convene a multi-jurisdictional and collaborative partner team to complete a Phase 2 vulnerability assessment for Whatcom County marine and Nooksack riverine shorelines upstream to Deming under projected climate change scenarios. This assessment will inform and support development of needed improvements to shoreline and land use codes and initiate adaptation planning efforts in the most vulnerable communities.

Project Long Description:

Climate change continues to challenge governments to respond and adapt to changing conditions. Through proactive assessment and collaborative planning, the RECIPIENT and its partners hope to understand future impacts along marine and riverine shorelines to support resilient communities and ecosystems. The goal of this project is to develop a Phase 2 vulnerability assessment for Whatcom County marine and Nooksack riverine shorelines upstream to Deming under

State of Washington Department of Ecology

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Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

projected climate change scenarios.

The RECIPIENT will develop an integrated vulnerability assessment based on a region-wide common set of agreed-upon assumptions and probable outcomes that the RECIPIENT, partner jurisdictions, and collaborative partners can use to craft policies, regulations, land use and adaptation plans, public infrastructure plans, mitigation and restoration plans, and other actions to address and mitigate the suite of projected future climate change impacts. The RECIPIENT will conduct a marine vulnerability assessment and a riverine vulnerability assessment, develop adaptation planning strategies and pilot adaptation plan(s), and analyze and recommend amendments to the RECIPIENT's Shoreline Master Program (SMP) and other land use regulations. The RECIPIENT has assembled a multi-jurisdictional and collaborative partner team motivated to understand and prepare for the projected future compound marine and riverine flood impacts. The partner team currently consists of staff from Lummi Nation, Nooksack Tribe, Whatcom County, city of Bellingham, Port of Bellingham, United States Geological Survey (USGS), Washington Sea Grant, city of Ferndale, city of Blaine, and city of Sumas.

The RECIPIENT will build upon a previous vulnerability assessment (Phase 1) planning project for Whatcom County's marine shoreline and lower Nooksack riverine shoreline, the Whatcom County Compound Flood Vulnerability Assessment, which was funded by the Department of Ecology's Shoreline Master Program Competitive Grant pilot program (SEASMPC-2123-WhCoPW-00012). This Phase 2 project will use an expanded marine bluff retreat assessment and updated Coastal Storm Model System for Puget Sound (CoSMoS) data that integrates discharge impacts of streams along the marine shoreline. It will extend the riverine flood model analysis up the Nooksack River to Deming including the Everson Overflow to the international border with Canada, using projected climate change scenarios; and will be modeled using Hydraulic Engineering Center's River Analysis System (HEC-RAS) models.

Developing a vulnerability assessment provides the RECIPIENT, and their multi-jurisdictional and collaborative partners, with an improved understanding of public infrastructure and private development (assets), and ecosystem functions and values (systems) at risk due to projected sea level rise and marine and riverine flood impacts. Participation by the Lummi Nation and Nooksack Tribe will help ensure that the project addresses priorities and concerns of tribal communities including public safety, community well-being, salmon recovery, and viable shellfish populations.

Overall Goal:

To convene a multi-jurisdictional and collaborative partner team to complete a Phase 2 vulnerability assessment for Whatcom County marine and Nooksack riverine shorelines upstream to Deming under projected climate change scenarios. The RECIPIENT and its partners will use the assessment to support an informed and well-considered response to the impacts of climate change.

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Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

RECIPIENT INFORMATION

Organization Name: Whatcom County Public Works

Federal Tax ID: 91-6001383

UEI Number: NT6RMN8THTN7

Mailing Address: 322 N. Commercial Street, Suite 220
Bellingham, Washington 98225

Physical Address: 322 N. Commercial Street, Suite 220
Bellingham, Washington 98225

Organization Email: rrydel@co.whatcom.wa.us

Contacts

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

Project Manager	<p>Chris Elder Senior Planner</p> <p>322 N. Commercial Bellingham, Washington 98225 Email: celder@co.whatcom.wa.us Phone: (360) 778-6225</p>
Billing Contact	<p>Julia Bilderback</p> <p>322 N. Commercial Street, Suite 220 Bellingham, Washington 98225 Email: jbilderb@co.whatcom.wa.us Phone: (360) 778-6208</p>
Authorized Signatory	<p>Satpal Singh Sidhu County Executive</p> <p>311 Grand Avenue, Suite 108 Bellingham, Washington 98225 Email: ssidhu@co.whatcom.wa.us Phone: (360) 778-5200</p>

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

ECOLOGY INFORMATION

Mailing Address: Department of Ecology
Shorelands
PO BOX 47600
Olympia, WA 98504-7600

Physical Address: Shorelands
300 Desmond Drive SE
Lacey, WA 98503

Contacts

Project Manager	Jackie Chandler PO Box 47600 Olympia, Washington 98504-7600 Email: jcha461@ecy.wa.gov Phone: (360) 522-3927
Financial Manager	Cindy James PO Box 47600 Olympia, Washington 98504-7600 Email: cjam461@ecy.wa.gov Phone: (360) 280-8645

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

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Recipient Name: Whatcom County Public Works

AUTHORIZING SIGNATURES

RECIPIENT agrees to furnish the necessary personnel, equipment, materials, services, and otherwise do all things necessary for or incidental to the performance of work as set forth in this Agreement.

RECIPIENT acknowledges that they had the opportunity to review the entire Agreement, including all the terms and conditions of this Agreement, Scope of Work, attachments, and incorporated or referenced documents, as well as all applicable laws, statutes, rules, regulations, and guidelines mentioned in this Agreement. Furthermore, the RECIPIENT has read, understood, and accepts all requirements contained within this Agreement.

This Agreement contains the entire understanding between the parties, and there are no other understandings or representations other than as set forth, or incorporated by reference, herein.

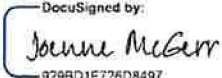
No subsequent modifications or amendments to this agreement will be of any force or effect unless in writing, signed by authorized representatives of the RECIPIENT and ECOLOGY and made a part of this agreement. ECOLOGY and RECIPIENT may change their respective staff contacts without the concurrence of either party.

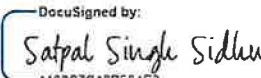
This Agreement shall be subject to the written approval of Ecology’s authorized representative and shall not be binding until so approved.

The signatories to this Agreement represent that they have the authority to execute this Agreement and bind their respective organizations to this Agreement.

Washington State
Department of Ecology

Whatcom County Public Works

By:  2/21/2024
926RD1E726D8497

By:  2/21/2024
10207C18856-63

Joenne McGerr
Shorelands
Program Manager

Satpal Singh Sidhu
County Executive

Template Approved to Form by
Attorney General's Office

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

Elizabeth Kosa

DocuSigned by:

Elizabeth Kosa

2/8/2024

Department Director

Date

Christopher Quinn

DocuSigned by:

Christopher Quinn

2/21/2024

Senior Civil Deputy Prosecuting, approved
as to form only

Date

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

SCOPE OF WORK

Task Number: 1 **Task Cost: \$0.00**

Task Title: 1. Project Administration / Management

Task Description:

The RECIPIENT shall provide necessary project oversight to complete the scope of work in compliance with this ECOLOGY agreement, which includes project coordination, administration and management.

A. The RECIPIENT shall coordinate with ECOLOGY throughout the project. The RECIPIENT will provide ECOLOGY opportunities to review draft deliverables at appropriate intervals. ECOLOGY will provide ongoing technical assistance, and will evaluate consistency of deliverables with the Shoreline Management Act and applicable guidelines throughout the review process.

B. The RECIPIENT shall conduct project management activities including compliance with state statutes and rules, project scheduling, adherence to the scope of work, timelines, and due dates; request for, and if applicable, conducting the competitive procurement process including preparation of contractor bidding documents, advertisements, and grant monitoring.

C. The RECIPIENT shall submit quarterly progress reports and payment requests (PRPRs) with supporting documentation; maintain project records; and submit ECOLOGY-approved deliverables by the due dates established between ECOLOGY and the RECIPIENT.

Task Goal Statement:

Properly manage and fully document the project in accordance with ECOLOGY's grant administration requirements.

Task Expected Outcome:

Timely and complete submittal of requests for reimbursement, quarterly progress reports, and recipient closeout report. Properly maintained project documentation.

Recipient Task Coordinator: Chris Elder

1. Project Administration / Management

Deliverables

Number	Description	Due Date
1.1	Payment Request / Progress Report (PRPR)	
1.2	Recipient Close Out Report (RCOR)	06/30/2025

Agreement No:

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Project Title:

Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name:

Whatcom County Public Works

SCOPE OF WORK

Task Number: 2

Task Cost: \$125,000.00

Task Title: 2. Marine and Riverine Vulnerability Assessments

Task Description:

A. The RECIPIENT will secure qualified consultant services. In accordance with the RECIPIENT or State of Washington procurement procedures, the RECIPIENT will enter into a contact with the selected consultants(s) and prepare a contract in accordance with the scope of work in this agreement.

B. The RECIPIENT will meet the requirements in the General Terms and Conditions Section 12. Environmental Data Standards for a Quality Assurance Project Plan (QAPP). The RECIPIENT will:

1. Provide ECOLOGY a draft QAPP, based on ECOLOGY's determination of the level of detail needed.
2. Revise the QAPP to reflect Ecology's comments (iterative rounds as needed).
3. Finalize QAPP for ECOLOGY approval.

C. The RECIPIENT will collaborate with project team members, including during and outside of scheduled team meetings, to complete the draft assessments, including incorporating information from work conducted by the Lummi Nation, Floodplain Integrated Planning Team, and other local and regional efforts. This project will evaluate impacts on vulnerable, overburdened, and underserved populations. These populations have been identified through other Whatcom County planning efforts and will be clearly identified during this effort.

D. Building on the RECIPIENT's Compound Flood Vulnerability Assessment (Phase 1), the RECIPIENT will complete a draft marine vulnerability assessment of all impacted areas along the county's marine shoreline. The assessment will evaluate the exposure, sensitivity, and adaptive capacity of assets and ecosystems in the floodplain and future inundation areas under previously selected scenarios and will incorporate vulnerabilities of marine bluffs. The RECIPIENT will use CoSMoS data from the USGS to identify areas impacted under different sea level rise and storm scenarios. The RECIPIENT will complete a detailed erosion analysis, focusing on marine bluffs, using CoSMoS data, aerial imagery, and/or other sources as needed to understand how the beach and bluff would change under selected sea level rise and flood scenarios.

E. The RECIPIENT will complete a draft riverine vulnerability assessment for the projected future Nooksack River and Sumas River floodplain extents, plus 200' to account for a possible future SMP jurisdiction extent. The assessment will evaluate the exposure, sensitivity, and adaptive capacity of assets & ecosystems in the floodplain area. The RECIPIENT will use relevant models, such as the HEC-RAS 2D model & the USGS Compound Flood model, to model future river flows & evaluate exposure & sensitivity under future flood scenarios. The RECIPIENT will incorporate previously completed and ongoing work as appropriate, such as habitat assessments, efforts to identify infiltration areas, Nooksack Floodplain Integrated Planning team materials, and Phase 1 products.

F. The RECIPIENT will complete a final riverine vulnerability assessment. In combination with the marine vulnerability assessment, this riverine vulnerability assessment will provide the RECIPIENT & its partners with a comprehensive assessment of vulnerabilities throughout the majority of its floodplain extent.

G. The RECIPIENT will complete a final marine vulnerability assessment. In combination with the riverine vulnerability assessment, this marine vulnerability assessment will provide the RECIPIENT & its partners with a comprehensive assessment of vulnerabilities throughout the majority of its future inundation areas and future floodplain extent.

Task Goal Statement:

- To ensure the RECIPIENT has qualified personnel to conduct the scope of this project.
- To ensure the RECIPIENT is utilizing appropriate quality assurance methodology in the project's scientific practices.

State of Washington Department of Ecology

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Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

- To complete a comprehensive vulnerability assessment with partner engagement for the entire marine shoreline, including bluffs.
- To conduct a more-detailed erosion analysis for marine bluffs and create framework and a baseline for ongoing erosion and shoreline change monitoring, including an inventory of existing marine armoring.
- To complete a comprehensive vulnerability assessment of current and future riverine floodplains with partner engagement.

Task Expected Outcome:

- The RECIPIENT and project team members will become informed about which areas are most vulnerable to inundation, erosion, marine and riverine shoreline change, and future including but not limited to exposure, sensitivity, and adaptive capacity that will be based on previously selected sea level rise and compound flood scenarios.
- Improved confidence among partner staff in using the data.

Recipient Task Coordinator: Chris Elder

2. Marine and Riverine Vulnerability Assessments

Deliverables

Number	Description	Due Date
2.1	Final signed consultant contract. Upload to EAGL and notify ECOLOGY Project Manager.	
2.2	Quality Assurance Project Plan (QAPP). Upload to EAGL and notify ECOLOGY Project Manager.	
2.3	Final marine vulnerability assessment. Upload to EAGL and notify ECOLOGY Project Manager.	
2.4	Draft riverine vulnerability assessment, incorporating results from Phase 1 project. Upload to EAGL and notify ECOLOGY Project Manager.	
2.5	Draft marine vulnerability assessment, incorporating results from Phase 1 project. Upload to EAGL and notify ECOLOGY Project Manager.	
2.6	Final riverine vulnerability assessment, incorporating results from Phase 1 project. Upload to EAGL and notify ECOLOGY Project Manager.	

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

SCOPE OF WORK

Task Number: 3 **Task Cost: \$50,000.00**

Task Title: 3. Adaptation Planning for Frontline Communities

Task Description:

A. Through a public outreach process and in coordination with project partners, the RECIPIENT will develop adaptation planning recommendations for different climate impact zones that can apply to marine shorelines across Whatcom County.

The RECIPIENT will maintain a project webpage on Whatcom County's website. This website will be used for posting notices to the public regarding the pilot adaption plan.

The RECIPIENT will hold at least one community meeting(s) to gather community input on the adaptation planning process. The RECIPIENT will take meeting attendance and submit meeting agendas and attendance logs to ECOLOGY by uploading a copy in EAGL.

Light refreshments (not meals) for meetings, as defined by ECOLOGY's Administrative Requirements for Recipients of Ecology Grants and Loans (2023 Yellow Book), may be eligible for reimbursement. Prior to each public meeting, the RECIPIENT must use the light refreshment request form to request and receive approval by ECOLOGY's Project Manager for light refreshment reimbursement(s). The RECIPIENT will submit approved request forms with the corresponding Payment Request/Progress Report (PRPR).

B. With community input, the RECIPIENT will develop a pilot adaptation plan for at least one frontline community to be selected by the project team. The plan may incorporate information such as adaptation strategies identified in Appendix E of the Phase 1 report, monitoring priorities, adaptation triggers, cost estimates, basic cost-benefit analysis, and an evaluation of risks to public safety.

Task Goal Statement:

Complete an informed adaptation planning process for all climate impact zones and develop a pilot adaptation plan for one or more frontline communities.

Task Expected Outcome:

Adaptation planning recommendations for all climate impact zones within the project area, and one or more pilot adaptation plans will be completed with partner and community development. Development of adaptation strategies for all climate impact zones along the marine and riverine shorelines and floodplains will inform future projects, allowing for initiation of adaptation actions in one or more frontline communities.

State of Washington Department of Ecology

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Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

Recipient Task Coordinator: Chris Elder**3. Adaptation Planning for Frontline Communities****Deliverables**

Number	Description	Due Date
3.1	Outreach and meeting materials from community meeting(s) held to inform adaptation planning. Upload to EAGL and notify ECOLOGY Project Manager.	
3.2	Light Refreshments Meeting Request Form for each meeting held under this agreement, if applicable. Upload to EAGL and notify ECOLOGY Project Manager via email.	
3.3	Adaptation planning strategies for marine and riverine shorelines. Upload to EAGL and notify ECOLOGY Project Manager.	
3.4	Draft pilot adaptation plan for one or more frontline communities. Upload to EAGL and notify ECOLOGY Project Manager.	
3.5	Final pilot adaptation plan for one or more frontline communities. Upload to EAGL and notify ECOLOGY Project Manager.	

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

SCOPE OF WORK

Task Number: 4 **Task Cost: \$75,000.00**

Task Title: 4. Analyze SMP, Comprehensive Plan & Land Use Code

Task Description:

A. The RECIPIENT will review county land use regulations including, but not limited to, the Shoreline Master Program (WCC Title 23), Zoning (Title 20), Land Division (Title 21), Environment (Title 16), Flood Damage Prevention (Title 17), and other related codes, for consistency and compatibility with projected climate impacts including sea level rise, changes to flood magnitude and frequency, and related impacts. This review will consider areas identified as floodplain under future climate scenarios and anticipated changes to flood risk. This review will use the results from the Phase 1 Compound Flood Vulnerability and Risk Assessment, the assessments described in Tasks 2 and 3, and initial community input gathered in Task 4. This review will further consider best available science and adopted plans, such as the Climate Action Plan, Natural Hazard Mitigation Plan, updates the WRIA 1 Salmonid Recovery Plan, and Integrated Comprehensive Flood Hazard Management Plans.

B. The RECIPIENT will develop a prioritized list of recommended changes including, but not limited to, amendments to relevant Whatcom County Code and zoning boundaries. Recommended amendments to the Whatcom County Code, including possible zoning amendments, will reflect the results of this study and incorporate adaptation planning strategies.

C. The RECIPIENT will identify and incorporate any pertinent policy recommendations into the Comprehensive Plan including the climate element, as required by HB 1181, and needs for updating goals and policies to align with ECOLOGY’s interim climate guidance for Shoreline Management Plans and the Ecology Climate Resilience Strategy.

Task Goal Statement:

Reduce future potential impacts and associated costs due to climate change, sea level rise, and flooding impacts by revising land use policies and County codes, as identified in the vulnerability assessments and associated documents.

Task Expected Outcome:

In coordination with the RECIPIENT’s planning processes complete a land use policy code review for consistency with climate impacts. Develop a prioritized list of recommendations that the RECIPIENT can use to propose code amendments and policy changes.

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

Recipient Task Coordinator: Chris Elder

4. Analyze SMP, Comprehensive Plan & Land Use Code

Deliverables

Number	Description	Due Date
4.1	Draft prioritized list of recommendations for code amendments and policy changes that could mitigate impacts due to climate change, sea level rise, and flooding, and build community resilience. Upload to EAGL and notify ECOLOGY Project Manager.	
4.2	Final prioritized list of recommendations for code amendments and policy changes that could mitigate impacts due to climate change, sea level rise, and flooding, and build community resilience. Upload to EAGL and notify ECOLOGY Project Manager.	

State of Washington Department of Ecology
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 Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions
 Recipient Name: Whatcom County Public Works

BUDGET

Funding Distribution EG240529

NOTE: The above funding distribution number is used to identify this specific agreement and budget on payment remittances and may be referenced on other communications from ECOLOGY. Your agreement may have multiple funding distribution numbers to identify each budget.

Funding Title: Model Toxics Control Operating Account (MTFunding Type: Grant
 Funding Effective Date: 10/02/2023 Funding Expiration Date: 06/30/2025

Funding Source:

Title: Model Toxics Control Operating Account (MTCOA)
 Fund: FD
 Type: State
 Funding Source %: 100%
 Description: Model Toxics Control Operating Account (MTCOA)

Approved Indirect Costs Rate: Approved State Indirect Rate: 0%
 Recipient Match %: 0%
 InKind Interlocal Allowed: No
 InKind Other Allowed: No
 Is this Funding Distribution used to match a federal grant? No

Model Toxics Control Operating Account (MTCOA)	Task Total
1. Project Administration / Management	\$ 0.00
2. Marine and Riverine Vulnerability Assessments	\$ 125,000.00
3. Adaptation Planning for Frontline Communities	\$ 50,000.00
4. Analyze SMP, Comprehensive Plan & Land Use Code	\$ 75,000.00

Total: \$ 250,000.00

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

Funding Distribution Summary**Recipient / Ecology Share**

Funding Distribution Name	Recipient Match %	Recipient Share	Ecology Share	Total
Model Toxics Control Operating Account (MTCOA)	0.00 %	\$ 0.00	\$ 250,000.00	\$ 250,000.00
Total		\$ 0.00	\$ 250,000.00	\$ 250,000.00

AGREEMENT SPECIFIC TERMS AND CONDITIONS

N/A

SPECIAL TERMS AND CONDITIONS

The RECIPIENT will negotiate the task deliverable due dates with the ECOLOGY Project Manager, and the ECOLOGY Project Manager will enter the information in the Deliverables Due Date EAGL form. The RECIPIENT will keep track of these dates, and will note any date changes on the quarterly progress reports. The Deliverables Due Date form can be found on the Application Menu - Forms page in EAGL. (Note: This form does not automatically print out with the Agreement.)

GENERAL FEDERAL CONDITIONS

If a portion or all of the funds for this agreement are provided through federal funding sources or this agreement is used to match a federal grant award, the following terms and conditions apply to you.

A. CERTIFICATION REGARDING SUSPENSION, DEBARMENT, INELIGIBILITY OR VOLUNTARY**EXCLUSION:**

1. The RECIPIENT/CONTRACTOR, by signing this agreement, certifies that it is not suspended, debarred, proposed for debarment, declared ineligible or otherwise excluded from contracting with the federal government, or from receiving contracts paid for with federal funds. If the RECIPIENT/CONTRACTOR is unable to certify to the statements contained in the certification, they must provide an explanation as to why they cannot.
2. The RECIPIENT/CONTRACTOR shall provide immediate written notice to ECOLOGY if at any time the RECIPIENT/CONTRACTOR learns that its certification was erroneous when submitted or had become erroneous by reason of changed circumstances.
3. The terms covered transaction, debarred, suspended, ineligible, lower tier covered transaction, participant, person, primary covered transaction, principal, proposal, and voluntarily excluded, as used in this clause, have the meaning set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact ECOLOGY for assistance in obtaining a copy of those regulations.
4. The RECIPIENT/CONTRACTOR agrees it shall not knowingly enter into any lower tier covered transaction with a person who is proposed for debarment under the applicable Code of Federal Regulations, debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction.
5. The RECIPIENT/CONTRACTOR further agrees by signing this agreement, that it will include this clause titled "CERTIFICATION REGARDING SUSPENSION, DEBARMENT, INELIGIBILITY OR VOLUNTARY

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EXCLUSION” without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

6. Pursuant to 2CFR180.330, the RECIPIENT/CONTRACTOR is responsible for ensuring that any lower tier covered transaction complies with certification of suspension and debarment requirements.
7. RECIPIENT/CONTRACTOR acknowledges that failing to disclose the information required in the Code of Federal Regulations may result in the delay or negation of this funding agreement, or pursuance of legal remedies, including suspension and debarment.
8. RECIPIENT/CONTRACTOR agrees to keep proof in its agreement file, that it, and all lower tier recipients or contractors, are not suspended or debarred, and will make this proof available to ECOLOGY before requests for reimbursements will be approved for payment. RECIPIENT/CONTRACTOR must run a search in <http://www.sam.gov> and print a copy of completed searches to document proof of compliance.

B. FEDERAL FUNDING ACCOUNTABILITY AND TRANSPARENCY ACT (FFATA) REPORTING

REQUIREMENTS:

CONTRACTOR/RECIPIENT must complete the FFATA Data Collection Form (ECY 070-395) and return it with the signed agreement to ECOLOGY.

Any CONTRACTOR/RECIPIENT that meets each of the criteria below must report compensation for its five top executives using the FFATA Data Collection Form.

- Receives more than \$30,000 in federal funds under this award.
- Receives more than 80 percent of its annual gross revenues from federal funds.
- Receives more than \$25,000,000 in annual federal funds.

Ecology will not pay any invoices until it has received a completed and signed FFATA Data Collection Form. Ecology is required to report the FFATA information for federally funded agreements, including the required Unique Entity Identifier in www.sam.gov <http://www.sam.gov> within 30 days of agreement signature. The FFATA information will be available to the public at www.usaspending.gov <http://www.usaspending.gov>.

For more details on FFATA requirements, see www.frs.gov <http://www.frs.gov>.

C. FEDERAL FUNDING PROHIBITION ON CERTAIN TELECOMMUNICATIONS OR VIDEO SURVEILLANCE SERVICES OR EQUIPMENT:

As required by 2 CFR 200.216, federal grant or loan recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:

1. Procure or obtain;
2. Extend or renew a contract to procure or obtain; or
3. Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that use covered telecommunications equipment, video surveillance services or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in [Public Law 115-232](https://www.govinfo.gov/content/pkg/PLAW-115publ232/pdf/PLAW-115publ232.pdf) <https://www.govinfo.gov/content/pkg/PLAW-115publ232/pdf/PLAW-115publ232.pdf>, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

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Recipients, subrecipients, and borrowers also may not use federal funds to purchase certain prohibited equipment, systems, or services, including equipment, systems, or services produced or provided by entities identified in section 889, are recorded in the System for Award Management (SAM) <<https://sam.gov/SAM/>> exclusion list.

State of Washington Department of Ecology

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Recipient Name: Whatcom County Public Works

GENERAL TERMS AND CONDITIONS

Pertaining to Grant and Loan Agreements With the state of Washington, Department of Ecology

GENERAL TERMS AND CONDITIONS

For DEPARTMENT OF ECOLOGY GRANTS and LOANS

07/01/2023 Version

1. ADMINISTRATIVE REQUIREMENTS

- a) RECIPIENT shall follow the "Administrative Requirements for Recipients of Ecology Grants and Loans – EAGL Edition." (<https://fortress.wa.gov/ecy/publications/SummaryPages/2301002.html>)
- b) RECIPIENT shall complete all activities funded by this Agreement and be fully responsible for the proper management of all funds and resources made available under this Agreement.
- c) RECIPIENT agrees to take complete responsibility for all actions taken under this Agreement, including ensuring all subgrantees and contractors comply with the terms and conditions of this Agreement. ECOLOGY reserves the right to request proof of compliance by subgrantees and contractors.
- d) RECIPIENT's activities under this Agreement shall be subject to the review and approval by ECOLOGY for the extent and character of all work and services.

2. AMENDMENTS AND MODIFICATIONS

This Agreement may be altered, amended, or waived only by a written amendment executed by both parties. No subsequent modification(s) or amendment(s) of this Agreement will be of any force or effect unless in writing and signed by authorized representatives of both parties. ECOLOGY and the RECIPIENT may change their respective staff contacts and administrative information without the concurrence of either party.

3. ACCESSIBILITY REQUIREMENTS FOR COVERED TECHNOLOGY

The RECIPIENT must comply with the Washington State Office of the Chief Information Officer, OCIO Policy no. 188, Accessibility (<https://ocio.wa.gov/policy/accessibility>) as it relates to "covered technology." This requirement applies to all products supplied under the Agreement, providing equal access to information technology by individuals with disabilities, including and not limited to web sites/pages, web-based applications, software systems, video and audio content, and electronic documents intended for publishing on Ecology's public web site.

4. ARCHAEOLOGICAL AND CULTURAL RESOURCES

RECIPIENT shall take all reasonable action to avoid, minimize, or mitigate adverse effects to archaeological and historic archaeological sites, historic buildings/structures, traditional cultural places, sacred sites, or other cultural resources, hereby referred to as Cultural Resources.

The RECIPIENT must agree to hold harmless ECOLOGY in relation to any claim related to Cultural Resources discovered, disturbed, or damaged due to the RECIPIENT's project funded under this Agreement.

RECIPIENT shall:

- a) Contact the ECOLOGY Program issuing the grant or loan to discuss any Cultural Resources requirements for their project:
- Cultural Resource Consultation and Review should be initiated early in the project planning process and must be completed prior to expenditure of Agreement funds as required by applicable State and Federal requirements.
- * For state funded construction, demolition, or land acquisitions, comply with Governor Executive Order 21-02, Archaeological and Cultural Resources.

State of Washington Department of Ecology

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- For projects with any federal involvement, comply with the National Historic Preservation Act of 1966 (Section 106).
- b) If required by the ECOLOGY Program, submit an Inadvertent Discovery Plan (IDP) to ECOLOGY prior to implementing any project that involves field activities. ECOLOGY will provide the IDP form.

RECIPIENT shall:

- Keep the IDP at the project site.
 - Make the IDP readily available to anyone working at the project site.
 - Discuss the IDP with staff, volunteers, and contractors working at the project site.
 - Implement the IDP when Cultural Resources or human remains are found at the project site.
- c) If any Cultural Resources are found while conducting work under this Agreement, follow the protocol outlined in the project IDP.
- Immediately stop work and notify the ECOLOGY Program, who will notify the Department of Archaeology and Historic Preservation at (360) 586-3065, any affected Tribe, and the local government.
- d) If any human remains are found while conducting work under this Agreement, follow the protocol outlined in the project IDP.
- Immediately stop work and notify the local Law Enforcement Agency or Medical Examiner/Coroner's Office, the Department of Archaeology and Historic Preservation at (360) 790-1633, and then the ECOLOGY Program.
- e) Comply with RCW 27.53, RCW 27.44, and RCW 68.50.645, and all other applicable local, state, and federal laws protecting Cultural Resources and human remains.

5. ASSIGNMENT

No right or claim of the RECIPIENT arising under this Agreement shall be transferred or assigned by the RECIPIENT.

6. COMMUNICATION

RECIPIENT shall make every effort to maintain effective communications with the RECIPIENT's designees, ECOLOGY, all affected local, state, or federal jurisdictions, and any interested individuals or groups.

7. COMPENSATION

- a) Any work performed prior to effective date of this Agreement will be at the sole expense and risk of the RECIPIENT. ECOLOGY must sign the Agreement before any payment requests can be submitted.
- b) Payments will be made on a reimbursable basis for approved and completed work as specified in this Agreement.
- c) RECIPIENT is responsible to determine if costs are eligible. Any questions regarding eligibility should be clarified with ECOLOGY prior to incurring costs. Costs that are conditionally eligible require approval by ECOLOGY prior to expenditure.
- d) RECIPIENT shall not invoice more than once per month unless agreed on by ECOLOGY.
- e) ECOLOGY will not process payment requests without the proper reimbursement forms, Progress Report and supporting documentation. ECOLOGY will provide instructions for submitting payment requests.
- f) ECOLOGY will pay the RECIPIENT thirty (30) days after receipt of a properly completed request for payment.
- g) RECIPIENT will receive payment through Washington State's Office of Financial Management's Statewide Payee Desk. To receive payment you must register as a statewide vendor by submitting a statewide vendor registration form and an IRS W-9 form at website, <https://ofm.wa.gov/it-systems/statewide-vendorpayee-services>. If you have questions about the vendor registration process, you can contact Statewide Payee Help Desk at (360) 407-8180 or email PayeeRegistration@ofm.wa.gov.
- h) ECOLOGY may, at its sole discretion, withhold payments claimed by the RECIPIENT if the RECIPIENT fails to satisfactorily comply with any term or condition of this Agreement.
- i) Monies withheld by ECOLOGY may be paid to the RECIPIENT when the work described herein, or a portion thereof, has been completed if, at ECOLOGY's sole discretion, such payment is reasonable and approved according to this Agreement, as appropriate, or upon completion of an audit as specified herein.

State of Washington Department of Ecology

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Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

j) RECIPIENT must submit within thirty (30) days after the expiration date of this Agreement, all financial, performance, and other reports required by this Agreement. Failure to comply may result in delayed reimbursement.

8. COMPLIANCE WITH ALL LAWS

RECIPIENT agrees to comply fully with all applicable federal, state and local laws, orders, regulations, and permits related to this Agreement, including but not limited to:

- a) RECIPIENT agrees to comply with all applicable laws, regulations, and policies of the United States and the State of Washington which affect wages and job safety.
- b) RECIPIENT agrees to be bound by all applicable federal and state laws, regulations, and policies against discrimination.
- c) RECIPIENT certifies full compliance with all applicable state industrial insurance requirements.
- d) RECIPIENT agrees to secure and provide assurance to ECOLOGY that all the necessary approvals and permits required by authorities having jurisdiction over the project are obtained. RECIPIENT must include time in their project timeline for the permit and approval processes.

ECOLOGY shall have the right to immediately terminate for cause this Agreement as provided herein if the RECIPIENT fails to comply with above requirements.

If any provision of this Agreement violates any statute or rule of law of the state of Washington, it is considered modified to conform to that statute or rule of law.

9. CONFLICT OF INTEREST

RECIPIENT and ECOLOGY agree that any officer, member, agent, or employee, who exercises any function or responsibility in the review, approval, or carrying out of this Agreement, shall not have any personal or financial interest, direct or indirect, nor affect the interest of any corporation, partnership, or association in which he/she is a part, in this Agreement or the proceeds thereof.

10. CONTRACTING FOR GOODS AND SERVICES

RECIPIENT may contract to buy goods or services related to its performance under this Agreement. RECIPIENT shall award all contracts for construction, purchase of goods, equipment, services, and professional architectural and engineering services through a competitive process, if required by State law. RECIPIENT is required to follow procurement procedures that ensure legal, fair, and open competition.

RECIPIENT must have a standard procurement process or follow current state procurement procedures. RECIPIENT may be required to provide written certification that they have followed their standard procurement procedures and applicable state law in awarding contracts under this Agreement.

ECOLOGY reserves the right to inspect and request copies of all procurement documentation, and review procurement practices related to this Agreement. Any costs incurred as a result of procurement practices not in compliance with state procurement law or the RECIPIENT's normal procedures may be disallowed at ECOLOGY's sole discretion.

11. DISPUTES

When there is a dispute with regard to the extent and character of the work, or any other matter related to this Agreement the determination of ECOLOGY will govern, although the RECIPIENT shall have the right to appeal decisions as provided for below:

- a) RECIPIENT notifies the funding program of an appeal request.
- b) Appeal request must be in writing and state the disputed issue(s).
- c) RECIPIENT has the opportunity to be heard and offer evidence in support of its appeal.
- d) ECOLOGY reviews the RECIPIENT's appeal.
- e) ECOLOGY sends a written answer within ten (10) business days, unless more time is needed, after concluding the review.

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The decision of ECOLOGY from an appeal will be final and conclusive, unless within thirty (30) days from the date of such decision, the RECIPIENT furnishes to the Director of ECOLOGY a written appeal. The decision of the Director or duly authorized representative will be final and conclusive.

The parties agree that this dispute process will precede any action in a judicial or quasi-judicial tribunal.

Appeals of the Director's decision will be brought in the Superior Court of Thurston County. Review of the Director's decision will not be taken to Environmental and Land Use Hearings Office.

Pending final decision of a dispute, the RECIPIENT agrees to proceed diligently with the performance of this Agreement and in accordance with the decision rendered.

Nothing in this Agreement will be construed to limit the parties' choice of another mutually acceptable method, in addition to the dispute resolution procedure outlined above.

12. ENVIRONMENTAL DATA STANDARDS

a) RECIPIENT shall prepare a Quality Assurance Project Plan (QAPP) for a project that collects or uses environmental measurement data. RECIPIENTS unsure about whether a QAPP is required for their project shall contact the ECOLOGY Program issuing the grant or loan. If a QAPP is required, the RECIPIENT shall:

- Use ECOLOGY's QAPP Template/Checklist provided by the ECOLOGY, unless ECOLOGY Quality Assurance (QA) officer or the Program QA coordinator instructs otherwise.
- Follow ECOLOGY's Guidelines for Preparing Quality Assurance Project Plans for Environmental Studies, July 2004 (Ecology Publication No. 04-03-030).
- Submit the QAPP to ECOLOGY for review and approval before the start of the work.

b) RECIPIENT shall submit environmental data that was collected on a project to ECOLOGY using the Environmental Information Management system (EIM), unless the ECOLOGY Program instructs otherwise. The RECIPIENT must confirm with ECOLOGY that complete and correct data was successfully loaded into EIM, find instructions at:

<http://www.ecy.wa.gov/eim>.

c) RECIPIENT shall follow ECOLOGY's data standards when Geographic Information System (GIS) data is collected and processed. Guidelines for Creating and Accessing GIS Data are available at:

<https://ecology.wa.gov/Research-Data/Data-resources/Geographic-Information-Systems-GIS/Standards>. RECIPIENT, when requested by ECOLOGY, shall provide copies to ECOLOGY of all final GIS data layers, imagery, related tables, raw data collection files, map products, and all metadata and project documentation.

13. GOVERNING LAW

This Agreement will be governed by the laws of the State of Washington, and the venue of any action brought hereunder will be in the Superior Court of Thurston County.

14. INDEMNIFICATION

ECOLOGY will in no way be held responsible for payment of salaries, consultant's fees, and other costs related to the project described herein, except as provided in the Scope of Work.

To the extent that the Constitution and laws of the State of Washington permit, each party will indemnify and hold the other harmless from and against any liability for any or all injuries to persons or property arising from the negligent act or omission of that party or that party's agents or employees arising out of this Agreement.

15. INDEPENDENT STATUS

The employees, volunteers, or agents of each party who are engaged in the performance of this Agreement will continue to be employees, volunteers, or agents of that party and will not for any purpose be employees, volunteers, or agents of the other party.

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16. KICKBACKS

RECIPIENT is prohibited from inducing by any means any person employed or otherwise involved in this Agreement to give up any part of the compensation to which he/she is otherwise entitled to or receive any fee, commission, or gift in return for award of a subcontract hereunder.

17. MINORITY AND WOMEN'S BUSINESS ENTERPRISES (MWBE)

RECIPIENT is encouraged to solicit and recruit, to the extent possible, certified minority-owned (MBE) and women-owned (WBE) businesses in purchases and contracts initiated under this Agreement.

Contract awards or rejections cannot be made based on MWBE participation; however, the RECIPIENT is encouraged to take the following actions, when possible, in any procurement under this Agreement:

- a) Include qualified minority and women's businesses on solicitation lists whenever they are potential sources of goods or services.
- b) Divide the total requirements, when economically feasible, into smaller tasks or quantities, to permit maximum participation by qualified minority and women's businesses.
- c) Establish delivery schedules, where work requirements permit, which will encourage participation of qualified minority and women's businesses.
- d) Use the services and assistance of the Washington State Office of Minority and Women's Business Enterprises (OMWBE) (866-208-1064) and the Office of Minority Business Enterprises of the U.S. Department of Commerce, as appropriate.

18. ORDER OF PRECEDENCE

In the event of inconsistency in this Agreement, unless otherwise provided herein, the inconsistency shall be resolved by giving precedence in the following order: (a) applicable federal and state statutes and regulations; (b) The Agreement; (c) Scope of Work; (d) Special Terms and Conditions; (e) Any provisions or terms incorporated herein by reference, including the "Administrative Requirements for Recipients of Ecology Grants and Loans"; (f) Ecology Funding Program Guidelines; and (g) General Terms and Conditions.

19. PRESENTATION AND PROMOTIONAL MATERIALS

ECOLOGY reserves the right to approve RECIPIENT's communication documents and materials related to the fulfillment of this Agreement:

- a) If requested, RECIPIENT shall provide a draft copy to ECOLOGY for review and approval ten (10) business days prior to production and distribution.
- b) RECIPIENT shall include time for ECOLOGY's review and approval process in their project timeline.
- c) If requested, RECIPIENT shall provide ECOLOGY two (2) final copies and an electronic copy of any tangible products developed.

Copies include any printed materials, and all tangible products developed such as brochures, manuals, pamphlets, videos, audio tapes, CDs, curriculum, posters, media announcements, or gadgets with a message, such as a refrigerator magnet, and any online communications, such as web pages, blogs, and twitter campaigns. If it is not practical to provide a copy, then the RECIPIENT shall provide a description (photographs, drawings, printouts, etc.) that best represents the item.

Any communications intended for public distribution that uses ECOLOGY's logo shall comply with ECOLOGY's graphic requirements and any additional requirements specified in this Agreement. Before the use of ECOLOGY's logo contact ECOLOGY for guidelines.

RECIPIENT shall acknowledge in the communications that funding was provided by ECOLOGY.

20. PROGRESS REPORTING

State of Washington Department of Ecology

Agreement No: SEASPC-2325-WhCoPW-00004

Project Title: Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions

Recipient Name: Whatcom County Public Works

- a) RECIPIENT must satisfactorily demonstrate the timely use of funds by submitting payment requests and progress reports to ECOLOGY. ECOLOGY reserves the right to amend or terminate this Agreement if the RECIPIENT does not document timely use of funds.
- b) RECIPIENT must submit a progress report with each payment request. Payment requests will not be processed without a progress report. ECOLOGY will define the elements and frequency of progress reports.
- c) RECIPIENT shall use ECOLOGY's provided progress report format.
- d) Quarterly progress reports will cover the periods from January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31. Reports shall be submitted within thirty (30) days after the end of the quarter being reported.
- e) RECIPIENT must submit within thirty (30) days of the expiration date of the project, unless an extension has been approved by ECOLOGY, all financial, performance, and other reports required by the Agreement and funding program guidelines. RECIPIENT shall use the ECOLOGY provided closeout report format.

21. PROPERTY RIGHTS

- a) Copyrights and Patents. When the RECIPIENT creates any copyrightable materials or invents any patentable property under this Agreement, the RECIPIENT may copyright or patent the same but ECOLOGY retains a royalty free, nonexclusive, and irrevocable license to reproduce, publish, recover, or otherwise use the material(s) or property, and to authorize others to use the same for federal, state, or local government purposes.
- b) Publications. When the RECIPIENT or persons employed by the RECIPIENT use or publish ECOLOGY information; present papers, lectures, or seminars involving information supplied by ECOLOGY; or use logos, reports, maps, or other data in printed reports, signs, brochures, pamphlets, etc., appropriate credit shall be given to ECOLOGY.
- c) Presentation and Promotional Materials. ECOLOGY shall have the right to use or reproduce any printed or graphic materials produced in fulfillment of this Agreement, in any manner ECOLOGY deems appropriate. ECOLOGY shall acknowledge the RECIPIENT as the sole copyright owner in every use or reproduction of the materials.
- d) Tangible Property Rights. ECOLOGY's current edition of "Administrative Requirements for Recipients of Ecology Grants and Loans," shall control the use and disposition of all real and personal property purchased wholly or in part with funds furnished by ECOLOGY in the absence of state and federal statutes, regulations, or policies to the contrary, or upon specific instructions with respect thereto in this Agreement.
- e) Personal Property Furnished by ECOLOGY. When ECOLOGY provides personal property directly to the RECIPIENT for use in performance of the project, it shall be returned to ECOLOGY prior to final payment by ECOLOGY. If said property is lost, stolen, or damaged while in the RECIPIENT's possession, then ECOLOGY shall be reimbursed in cash or by setoff by the RECIPIENT for the fair market value of such property.
- f) Acquisition Projects. The following provisions shall apply if the project covered by this Agreement includes funds for the acquisition of land or facilities:
 1. RECIPIENT shall establish that the cost is fair value and reasonable prior to disbursement of funds provided for in this Agreement.
 2. RECIPIENT shall provide satisfactory evidence of title or ability to acquire title for each parcel prior to disbursement of funds provided by this Agreement. Such evidence may include title insurance policies, Torrens certificates, or abstracts, and attorney's opinions establishing that the land is free from any impediment, lien, or claim which would impair the uses intended by this Agreement.
- g) Conversions. Regardless of the Agreement expiration date, the RECIPIENT shall not at any time convert any equipment, property, or facility acquired or developed under this Agreement to uses other than those for which assistance was originally approved without prior written approval of ECOLOGY. Such approval may be conditioned upon payment to ECOLOGY of that portion of the proceeds of the sale, lease, or other conversion or encumbrance which monies granted pursuant to this Agreement bear to the total acquisition, purchase, or construction costs of such property.

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22. RECORDS, AUDITS, AND INSPECTIONS

RECIPIENT shall maintain complete program and financial records relating to this Agreement, including any engineering documentation and field inspection reports of all construction work accomplished.

All records shall:

- a) Be kept in a manner which provides an audit trail for all expenditures.
- b) Be kept in a common file to facilitate audits and inspections.
- c) Clearly indicate total receipts and expenditures related to this Agreement.
- d) Be open for audit or inspection by ECOLOGY, or by any duly authorized audit representative of the State of Washington, for a period of at least three (3) years after the final grant payment or loan repayment, or any dispute resolution hereunder.

RECIPIENT shall provide clarification and make necessary adjustments if any audits or inspections identify discrepancies in the records.

ECOLOGY reserves the right to audit, or have a designated third party audit, applicable records to ensure that the state has been properly invoiced. Any remedies and penalties allowed by law to recover monies determined owed will be enforced.

Repetitive instances of incorrect invoicing or inadequate records may be considered cause for termination.

All work performed under this Agreement and any property and equipment purchased shall be made available to ECOLOGY and to any authorized state, federal or local representative for inspection at any time during the course of this Agreement and for at least three (3) years following grant or loan termination or dispute resolution hereunder.

RECIPIENT shall provide right of access to ECOLOGY, or any other authorized representative, at all reasonable times, in order to monitor and evaluate performance, compliance, and any other conditions under this Agreement.

23. RECOVERY OF FUNDS

The right of the RECIPIENT to retain monies received as reimbursement payments is contingent upon satisfactory performance of this Agreement and completion of the work described in the Scope of Work.

All payments to the RECIPIENT are subject to approval and audit by ECOLOGY, and any unauthorized expenditure(s) or unallowable cost charged to this Agreement shall be refunded to ECOLOGY by the RECIPIENT.

RECIPIENT shall refund to ECOLOGY the full amount of any erroneous payment or overpayment under this Agreement.

RECIPIENT shall refund by check payable to ECOLOGY the amount of any such reduction of payments or repayments within thirty (30) days of a written notice. Interest will accrue at the rate of twelve percent (12%) per year from the time ECOLOGY demands repayment of funds.

Any property acquired under this Agreement, at the option of ECOLOGY, may become ECOLOGY's property and the RECIPIENT's liability to repay monies will be reduced by an amount reflecting the fair value of such property.

24. SEVERABILITY

If any provision of this Agreement or any provision of any document incorporated by reference shall be held invalid, such invalidity shall not affect the other provisions of this Agreement which can be given effect without the invalid provision, and to this end the provisions of this Agreement are declared to be severable.

25. STATE ENVIRONMENTAL POLICY ACT (SEPA)

RECIPIENT must demonstrate to ECOLOGY's satisfaction that compliance with the requirements of the State Environmental Policy Act (Chapter 43.21C RCW and Chapter 197-11 WAC) have been or will be met. Any reimbursements are subject to this provision.

26. SUSPENSION

When in the best interest of ECOLOGY, ECOLOGY may at any time, and without cause, suspend this Agreement or any portion thereof for a temporary period by written notice from ECOLOGY to the RECIPIENT. RECIPIENT shall resume performance on the next business day following the suspension period unless another day is specified by ECOLOGY.

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27. SUSTAINABLE PRACTICES

In order to sustain Washington's natural resources and ecosystems, the RECIPIENT is fully encouraged to implement sustainable practices and to purchase environmentally preferable products under this Agreement.

a) Sustainable practices may include such activities as: use of clean energy, use of double-sided printing, hosting low impact meetings, and setting up recycling and composting programs.

b) Purchasing may include such items as: sustainably produced products and services, EPEAT registered computers and imaging equipment, independently certified green cleaning products, remanufactured toner cartridges, products with reduced packaging, office products that are refillable, rechargeable, and recyclable, 100% post-consumer recycled paper, and toxic free products.

For more suggestions visit ECOLOGY's web page, Green Purchasing,

<https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Sustainable-purchasing>.

28. TERMINATION

a) For Cause

ECOLOGY may terminate for cause this Agreement with a seven (7) calendar days prior written notification to the RECIPIENT, at the sole discretion of ECOLOGY, for failing to perform an Agreement requirement or for a material breach of any term or condition. If this Agreement is so terminated, the parties shall be liable only for performance rendered or costs incurred in accordance with the terms of this Agreement prior to the effective date of termination.

Failure to Commence Work. ECOLOGY reserves the right to terminate this Agreement if RECIPIENT fails to commence work on the project funded within four (4) months after the effective date of this Agreement, or by any date mutually agreed upon in writing for commencement of work, or the time period defined within the Scope of Work.

Non-Performance. The obligation of ECOLOGY to the RECIPIENT is contingent upon satisfactory performance by the RECIPIENT of all of its obligations under this Agreement. In the event the RECIPIENT unjustifiably fails, in the opinion of ECOLOGY, to perform any obligation required of it by this Agreement, ECOLOGY may refuse to pay any further funds, terminate in whole or in part this Agreement, and exercise any other rights under this Agreement.

Despite the above, the RECIPIENT shall not be relieved of any liability to ECOLOGY for damages sustained by ECOLOGY and the State of Washington because of any breach of this Agreement by the RECIPIENT. ECOLOGY may withhold payments for the purpose of setoff until such time as the exact amount of damages due ECOLOGY from the RECIPIENT is determined.

b) For Convenience

ECOLOGY may terminate for convenience this Agreement, in whole or in part, for any reason when it is the best interest of ECOLOGY, with a thirty (30) calendar days prior written notification to the RECIPIENT, except as noted below. If this Agreement is so terminated, the parties shall be liable only for performance rendered or costs incurred in accordance with the terms of this Agreement prior to the effective date of termination.

Non-Allocation of Funds. ECOLOGY's ability to make payments is contingent on availability of funding. In the event funding from state, federal or other sources is withdrawn, reduced, or limited in any way after the effective date and prior to the completion or expiration date of this Agreement, ECOLOGY, at its sole discretion, may elect to terminate the Agreement, in whole or part, or renegotiate the Agreement, subject to new funding limitations or conditions. ECOLOGY may also elect to suspend performance of the Agreement until ECOLOGY determines the funding insufficiency is resolved. ECOLOGY may exercise any of these options with no notification or restrictions, although ECOLOGY will make a reasonable attempt to provide notice.

In the event of termination or suspension, ECOLOGY will reimburse eligible costs incurred by the RECIPIENT through the effective date of termination or suspension. Reimbursed costs must be agreed to by ECOLOGY and the RECIPIENT. In no

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Recipient Name: Whatcom County Public Works

event shall ECOLOGY's reimbursement exceed ECOLOGY's total responsibility under the Agreement and any amendments. If payments have been discontinued by ECOLOGY due to unavailable funds, the RECIPIENT shall not be obligated to repay monies which had been paid to the RECIPIENT prior to such termination. RECIPIENT's obligation to continue or complete the work described in this Agreement shall be contingent upon availability of funds by the RECIPIENT's governing body.

c) By Mutual Agreement

ECOLOGY and the RECIPIENT may terminate this Agreement, in whole or in part, at any time, by mutual written agreement.

d) In Event of Termination

All finished or unfinished documents, data studies, surveys, drawings, maps, models, photographs, reports or other materials prepared by the RECIPIENT under this Agreement, at the option of ECOLOGY, will become property of ECOLOGY and the RECIPIENT shall be entitled to receive just and equitable compensation for any satisfactory work completed on such documents and other materials.

Nothing contained herein shall preclude ECOLOGY from demanding repayment of all funds paid to the RECIPIENT in accordance with Recovery of Funds, identified herein.

29. THIRD PARTY BENEFICIARY

RECIPIENT shall ensure that in all subcontracts entered into by the RECIPIENT pursuant to this Agreement, the state of Washington is named as an express third party beneficiary of such subcontracts with full rights as such.

30. WAIVER

Waiver of a default or breach of any provision of this Agreement is not a waiver of any subsequent default or breach, and will not be construed as a modification of the terms of this Agreement unless stated as such in writing by the authorized representative of ECOLOGY.

End of General Terms and Conditions

**WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT**

**Elizabeth Kosa
Director**





NATURAL RESOURCES

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MEMORANDUM

TO: The Honorable Satpal Singh Sidhu, Whatcom County Executive, and The Honorable Members of the Whatcom County Council

THROUGH: Elizabeth Kosa, Public Works Director

FROM: Gary Stoyka, Natural Resources Manager 
Chris Elder, Senior Planner 

DATE: January 24, 2024

RE: Grant Agreement with Washington Department of Ecology to conduct a Climate Vulnerability Assessment and Develop Shoreline Management Solutions

Please find attached for your review a copy of the grant agreement between Washington State Department of Ecology and Whatcom County to conduct a climate vulnerability assessment and develop shoreline management solutions. The authorized agreement will be signed electronically through AdobeSign.

Requested Action

Staff requests approval to enter into a Shoreline Planning Competitive Grant agreement with Washington Department of Ecology to complete the Whatcom Climate Vulnerability Assessment and Shoreline Management Solutions.

Background and Purpose

Climate change continues to challenge governments to respond and adapt to changing conditions. Through proactive assessment and collaborative planning, Whatcom County and its partners hope to understand future impacts along marine and riverine shorelines to support resilient communities and ecosystems. Whatcom County completed a Phase 1 sea level rise vulnerability assessment in 2022 covering the marine and lower Nooksack riverine shoreline and focusing on Sandy Point and Birch Bay.

The purpose of this agreement is to provide funding to implement a Phase 2 vulnerability assessment for Whatcom County marine and Nooksack riverine shorelines upstream to Deming under projected climate change scenarios. This Phase 2 project will use an expanded marine bluff retreat assessment and updated Coastal Storm Model System for Puget Sound (CoSMoS) data that integrates discharge impacts of streams along the marine shoreline and will extend the riverine flood model analysis up the Nooksack River to Deming including the Everson Overflow.

Funding Amount and Source

This grant agreement will provide \$250,000 to conduct the Phase 2 assessment.

Please contact Chris Elder at extension 6225, if you have any questions or concerns regarding the terms of this agreement.

Encl.