***Project Title**	Lake Forest Park Green Stormwater Solutions CBP3 Program Planning
***Project Short Description**	Lake Forest Park (LFP) is initiating the planning phase of an LID pilot program using a CBP3 contract structure to install LID BMPs (e.g., rain gardens and permeable pavement) on private properties. This program will provide water quality and flow control benefits for multiple City receiving waters, including Lyon Creek, by removing stormwater and its associated pollutants (including TSS and fecal coliform) from the City's MS4.

***Project Long Description**	Lake Forest Park (LFP) is developing a performance-based Low Impact Development (LID) incentive pilot program. This program will use a CBP3 contract structure to install LID Best Management Practices (BMPs) on private properties within LFP. BMP options available to participants are anticipated to include rain gardens, rainwater harvesting, and permeable pavement. Similar BMPs that improve water quality and are well suited to residential properties may also be offered. In LFP runoff often originates from nonpoint sources, such as residential properties, and results in flashy flows or downstream flooding during storm events. Reducing the number of properties connected to the MS4 system will reduce the volume and velocity of these events. The planning phase of this program will include defining the program scope and outcomes, conducting a financial analysis and legal evaluation, and developing an RFP and contract. This phase will inform a future "implementation" phase of the program, which LFP has already identified funds for. Using a CBP3 structure will help LFP streamline project implementation, increase programmatic efficiency, and reduce the burden on LFP's limited staff. The Lyon Creek watershed was identified as the priority catchment area in the City's 2023 Stormwater Management Action Plan. Properties in this watershed will be given highest priority. All receiving waters in LFP's jurisdiction could be positively impacted by this program. Many of the existing stormwater outfalls in LFP drain into these waterbodies which provide habitat for multiple salmonid species. Historically, Chinook salmon thrived in these waters. Today they are exceptionally rare and are listed as a "Species of Greatest Conservation Need" in WDFW's State Wildlife Action Plan. Installing LID BMPs is also listed in the WRIA 8 Chinook Salmon Conservation Plan as a strategy to protect and enhance Chinook habitat. By moderating stream flows from the effects of both flooding and drought, as well as reducing TSS in streams, LID BMPs contribute to healthy salmon habitat. Lyon Creek is included on Ecology's 303(d) list for bacteria (fecal coliform), DO, bioassessment, and temperature. LID BMPs may attenuate all these listings. LID BMPs trap fine sediments that would lead to sedimentation in streams and can remove pollutants bound to the sediment. Fecal coliform bacteria levels can also be reduced by using LID BMPs for on-site stormwater management. LID BMPs help to prevent animal waste from residential properties from entering the MS4. Stormwater that infiltrates into the soil will enter creeks or streams at a lower temperature than runoff that is collected through the City's MS4. LID BMPs promote and safeguard benthic health by reducing the water quantity exported to streams during storm events and encouraging the slow release of groundwater into streams in a natural manner. Cleaner water, less sedimentation, and the restoration of natural hydrological functions can lead to healthier habitats for benthic macroinvertebrates. These LID BMPs will also provide multiple co-benefits for the community, including an increase in aesthetic value, and pollinator, native plant, and wildlife habitat in yards throughout the city. They also serve to educate and engage residents in environmental stewardship, increasing community involvement. LID BMPs increase drought preparedness as rainwater harvesting techniques can store water for use well into drought events. And LID BMPs with infiltration add to existing soil moisture and groundwater levels, also contributing to drought resilience across the landscape. Rain gardens also contribute to aquifer recharge, which is important since LFP draws drinking water from ground water wells. Rain gardens have been demonstrated to enhance the taxonomic richness of local soil fauna. By reducing connections to our MS4 system LID BMPs will directly aid in the reduction of flooding issues which have historically plagued LFP.

***Total Cost**	$353,990.00	***Total Eligible Cost**	$353,990.00
***Effective Date**	07/01/2026	***Expiration Date**	06/30/2029
***Project Category**	Nonpoint Source Activity		
	Onsite Sewage System		

[X] Stormwater Activity
Stormwater Facility
Wastewater Facility

Will Environmental Monitoring Data be collected?	No
***Ecology Program**	Water Quality
***Overall Goal**	This project will help LFP accomplish the program development work necessary to successfully engage residents in managing stormwater through nature-based solutions on their own property. Specifically, funds would be used to develop an RFP, a CBP3 contract, program guidelines for residents and contractor(s), to engage residents in early outreach and education activities (including events to gather community feedback), and to assess potential barriers and opportunities presented by this pilot program.

Task Number 1
Task Title Grant and Loan Administration
Task Cost $6,277.00

IMPORTANT NOTICE. The cost of this task should not exceed 15% of the Total Eligible Costs you entered on the General Information form.

Task Description

A. The RECIPIENT shall carry out all work necessary to meet ECOLOGY grant or loan administration requirements. Responsibilities include but are not limited to: Maintenance of project records; submittal of requests for reimbursement and corresponding backup documentation; progress reports; and the EAGL (Ecology Administration of Grants and Loans) recipient closeout report (including photos, if applicable). If that the RECIPIENT elects to use a contractor to complete project elements, the RECIPIENT shall retain responsibility for the oversight and management of this funding agreement.

B. The RECIPIENT shall keep documentation that demonstrates the project is in compliance with applicable procurement, contracting, and interlocal agreement requirements; permitting requirements, including application for, receipt of, and compliance with all required permits, licenses, easements, or property rights necessary for the project; and submittal of required performance items. This documentation shall be available upon request.

C. The RECIPIENT shall maintain effective communication with ECOLOGY and maintain up-to-date staff contact information in the EAGL system. The RECIPIENT shall carry out this project in accordance with any completion dates outlined in this agreement.

Task Goal Statement Properly managed and fully documented project that meets ECOLOGY's grant or loan administrative requirements.

Task Expected Outcomes

* Timely and complete submittal of requests for reimbursement, quarterly progress reports, and Recipient Closeout Report.
* Properly maintained project documentation.

Recipient Task Coordinator Deliverables

Deliverable #	Description	Due Date	Received? (ECY Use Only)	EIM Study ID	Latitude (expressed in decimals)	Longitude (expressed in decimals)	Location Address
1.1	Progress Reports that include descriptions of work accomplished, project challenges or changes in the project schedule. Submitted at least quarterly.						
1.2	Recipient Closeout Report (EAGL Form)						

Task Number	Task Cost	Task Title
Task #1	$6,277.00	Grant and Loan Administration
Task #2	$86,524.00	Define Program Concept, Scope, and Outcomes
Task #3	$126,893.00	Financial Analysis and Legal Evaluation
Task #4	$92,034.00	Program RFP and Contract Development
Task #5	$37,585.00	Performance-Based Program Launch
Task #6	$4,677.00	Project Close Out
Task #7	$0.00	
Task #8	$0.00	
Task #9	$0.00	
Task Total	$353,990.00	

Task #: 2

Task Title: Define Program Concept, Scope, and Outcomes

Task Cost: $86,524.00

Expected Start Date: 07/01/2026

Expected Finish Date: 05/21/2027

Describe the work that will be billed to this task. (char 3,500)

Subtask 2.1 – Develop Performance-Based Procurement Elements
The RECIPIENT will identify and coordinate with key internal program partners that are critical to develop the stormwater, community, and economic outcomes; performance measures; reporting approach (calculation methods); and verification protocols based on the preliminary ideas summarized in the City's SMAP and City Council Regular Meeting on August 14, 2025. The RECIPIENT will ensure that calculation methods are fully documented prior to developing the draft RFP (Subtask 4.1).

Subtask 2.2 – Initial External Engagement
The RECIPIENT will identify and solicit feedback from interested community parties and potential funding partners to gather information on community needs and recommendations for moving the program forward. The RECIPIENT will develop an Engagement Plan to reach out to the most likely parties/partners, given the solicited feedback. The RECIPIENT will then work with internal staff to define the roles and responsibilities for each party/partner.
This subtask will likely involve conversations to gather input from City procurement, contracting, and legal staff; staff from other municipalities that have developed similar programs; and potential interested parties/partners.

Subtask 2.3 – Scope
The RECIPIENT will develop a draft scope for the program that includes the program area, initial program term, expanded program area, renewal term (if applicable), and term of the maintenance agreement.

Deliverables

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To Delete a Row
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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget
2.1. Technical memorandum summarizing stormwater, community, and economic outcomes, performance measures; reporting; and verification	12/21/2026	$29,311.00
2.2. Draft Engagement Plan	01/21/2027	$28,641.00
2.3. Draft CBP3 Program Scope	05/21/2027	$28,572.00
		Total Deliverable Budget: $86,524.00

Task #: 3

Task Title: Financial Analysis and Legal Evaluation

Task Cost: $126,893.00

Expected Start Date: 05/22/2027

Expected Finish Date: 07/21/2027

Describe the work that will be billed to this task. (char 3,500)

Subtask 3.1 – Financial Analysis
The RECIPIENT will develop a financial analysis for the program that evaluates and communicates the financial value of the program. The cost of the program should be compared to traditional procurement using a Cost-Benefit Analysis or a Value-for-Money Analysis. The financial analysis will also help to develop the price that will be paid for performance measures achieved (e.g., cost per acre of impervious area treated).

Subtask 3.2 – Legal Authorities
The RECIPIENT will coordinate with City procurement, contracting, and legal staff to develop a summary of legal authorities including local regulatory drivers, governance, and procurement rules.

Subtask 3.3 – Revenue, Funding, and Financing
The RECIPIENT will identify revenue sources including one-time funding sources (e.g., grants, settlement awards, appropriated funds), explore governance and financing models, and evaluate the use of private financing.

Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget
3.1. Technical memorandum summarizing the financial analysis	07/21/2027	$41,665.00
3.2. Technical memorandum summarizing legal authorities	06/21/2027	$43,703.00
3.3. Technical memorandum summarizing revenue, funding, and financing	06/28/2027	$41,525.00
		Total Deliverable Budget: $126,893.00

Task #: 4

Task Title: Program RFP and Contract Development

Task Cost: $92,034.00

Expected Start Date: 07/01/2027

Expected Finish Date: 09/01/2027

Describe the work that will be billed to this task. (char 3,500)

Subtask 4.1 Develop Draft RFP
The RECIPIENT will develop a draft RFP annotated to highlight any outstanding items/decisions. The RFP will include a high-level project description, scope expectations, private partner obligations and milestones, monitoring and verification requirements, tools that will be used to define bidder obligations (e.g., site screening tool or form), program failure and remediation plans, and payment terms. The project team will engage potential private partners identified in Subtask 2.2 to raise awareness of upcoming opportunity and get input on RFP terms to ensure they will be attractive to bidders.

Subtask 4.2 – Develop Draft Contract
The RECIPIENT will develop an annotated draft performance-based contract that highlights any outstanding items/decisions. The contract will include performance measures; financial assurances; real estate assurances; outcome-based payment terms; a binding program management plan (including an approach to governance and adaptive management); monitoring, reporting, and verification requirements; long-term stewardship responsibilities; and program failure and remediation plans.

Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget

4.1. Draft annotated RFP	08/01/2027	$52,464.00
4.2. Draft annotated performance contract	09/01/2027	$39,570.00
		Total Deliverable Budget: $92,034.00

Task #: 5

Task Title: Performance-Based Program Launch

Task Cost: $37,585.00

Expected Start Date: 08/01/2027

Expected Finish Date: 11/01/2027

Describe the work that will be billed to this task. (char 3,500)

The program team will develop community outreach materials (5.1), a program webpage (5.2), and hold community events to promote the Green Stormwater Solutions program. The program will be advertised through social media and other City notifications. The program team will attend two community events in the summer/fall of 2027 to engage residents and gather community feedback about the program. This task will also involve preparing a short set of program guidelines for residents and contractors interested in participating in the program. (5.3)

Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget
Community outreach materials	09/01/2027	$11,314.00
Program website	10/01/2027	$8,313.00
Program guidelines for residents and contractors	11/01/2027	$17,958.00
		Total Deliverable Budget: $37,585.00

Task #: 6

Task Title: Project Close Out

Task Cost: $4,677.00

Expected Start Date: 11/01/2027

Expected Finish Date: 12/31/2027

Describe the work that will be billed to this task. (char 3,500)

The RECIPIENT will prepare an Outcome summary report using the Ecology template (6.1).
Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget
Outcomes Summary	12/31/2027	$4,677.00
		Total Deliverable Budget: $4,677.00

Task #: 7

Task Title:

Task Cost:

Expected Start Date:

Expected Finish Date:

Describe the work that will be billed to this task. (char 3,500)

Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget
		Total Deliverable Budget: $0.00

Task #: 8

Task Title:

Task Cost:

Expected Start Date:

Expected Finish Date:

Describe the work that will be billed to this task. (char 3,500)

Deliverables

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Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget

Total Deliverable Budget: $0.00

Task #: 9

Task Title:

Task Cost:

Expected Start Date:

Expected Finish Date:

Describe the work that will be billed to this task. (char 3,500)

Deliverables

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Click the (-) button on the right. When done, click the SAVE button.

Deliverables Table (Deliverables are documents that can be uploaded into EAGL to show that work was completed; deliverables should align with the detailed budget provided on the Task Costs and Budget Form and the project schedule uploaded on the Project Planning and Schedule Form.)

Deliverables Description	Deliverable Date	Deliverable Budget

Total Deliverable Budget: $0.00

Total Task Costs:	Total Task Costs: $353,990.00

Task Number

Task Title Task Cost *

Task Description

Task Goal Statement

Task Expected Outcomes

Recipient Task Coordinator

Deliverables

Deliverable #	Description	Due Date	Received? (ECY Use Only)	EIM Study ID	EIM System Link	Latitude	Longitude	Location Address

Task Title	Task Cost
Grant and Loan Administration	$6,277.00
Total	

Total Eligible Costs
(from the General Information Form)
$0

***Describe the process used to estimate the cost of the project. If your process included reviewing similar projects, describe how this review affected your estimate.**

The City coordinated with Herrera Environmental Consultants (Herrera) to develop a budget estimate for program development. Herrera has extensive experience implementing similar projects to develop new programs, researching potential concerns, coordinating with internal and external partners, developing community outreach materials, and developing stormwater guidelines. This in-depth experience was used to develop projected costs for the scope of work outlined for this program. A work breakdown structure was used to ensure that the costs provided for each deliverable were accurate. Herrera also coordinated with Environmental Incentives (EI) to ensure that the planning phase of this program was budgeted correctly.

***Has the proposed project been demonstrated to be the lowest cost solution to the problem?**

If the proposed project is not the lowest cost, describe the other benefits or considerations such as feasibility, community acceptance, or coordination with other projects that influenced the decision making process.

The proposed project has not yet been determined to be the lowest cost solution; however, this will be evaluated as part of the financial analysis included in Subtask 3.1. Community metrics will also be developed as part of Task 2 and this project will also be evaluated using those metrics. Community metrics may include:

A. Supporting small, minority-, and women-owned business enterprises (SMWBEs)

B. Ensuring work is performed by Contractor staff living in overburdened communities based on the Washington Environmental Health Disparities Map.

C. Projects encourage other LID BMPs to be installed within LFP.

***Upload a detailed budget for the project and any supporting documentation, including engineers estimates, cost analysis, etc.**

Upload Documents

Click the Browse button and select your file.

To add another file, click the + button to the right.

To delete a file, click the x button next to the file name. To delete the row, click the - button to the right, then click confirm.

Final proposed budget for application segmented by task	336605_958148-LFP_CBP3_Budget_FINAL.pdf

Project Team

Fill out the following table to describe your Project Team, including staff, contractors, and partner agencies:

Team Member Name/and or Title	Agency/Company Name	Key Responsibilities	Qualifications/Experience	Estimated Total Hours Devoted to the Project	Who will take over the person's responsibilities if they are unable to work on the project?
Chris Korwel, Stormwater Program Coordinator	City of Lake Forest Park	Project Manager: write RFP/hire consultant, track project schedule and budget, communicate with Ecology staff	5+ years Stormwater project management experience.	286.0	Supervisor will manage the project until a new PM is hired.
Rebecca Dickinson, Public Works Director	City of Lake Forest Park	Technical Lead	10+ years in Project Manager / Director / Consultant roles.	40.0	PM will manage until new Director of Public Works is hired.
Jessica Howard, Public Works Admin Assistant	City of Lake Forest Park	Administrative Lead	3+ years in administrative roles, 7+ years Copywriting experience.	16.0	Director of Public Works or other City staff will assist until new Admin Assistant is hired.
Tanya Baker, Finance Specialist	City of Lake Forest Park	Finance Lead	5+ years in AP/AR/Payroll	60.0	Director of Finance or other City staff will assist until vacancy is filled.
Trish Andrus, Accounting Supervisor	City of Lake Forest Park	Accounting Lead	5+ years accounting experience.	60.0	Director of Finance or other City staff will assist until vacancy is filled.
Kim Pratt	Madrona Law (for City of Lake Forest Park)	Legal Lead	30+ years practicing law.	4.0	New legal counsel or an alternate legal counsel from the same firm would be used as a stopgap.
Laurie Halvorson	Madrona Law (for City of Lake Forest Park)	Legal Support	Legal review and aid experience	4.0	New legal aid or an alternate legal aid from the same firm would be used as a stopgap.
Engineer VII	Consultant	Principal in charge, will provide oversight and quality assurance review of deliverables	20+ years of experience in stormwater	76.0	Another senior reviewer with a similar level of experience will provide oversight for the project.
Engineer VI	Consultant	Consultant Project Manager, technical lead, and training support	15-20 years of experience in stormwater	352.0	A project manager with a similar level of experience will manage the project
Engineer III	Consultant	Technical support	3-5 years of experience in stormwater	704.0	Another junior engineer with a similar level of experience will support the project.

Project Team

GIS Analyst II	Consultant	3-5 years of experience in stormwater	3-5 years of experience in stormwater	20.0	Another GIS Analyst with a similar level of experience will support the project.
Administrative Coordinator IV	Consultant	Document formatting support	3-5 years of experience in document production	30.0	Another administrative coordinator with a similar level of experience will support the project.
Financial Analyst VI	Consultant	Financial analysis lead	20+ years of experience in financial analysis	40.0	Another financial analyst with a similar level of experience will lead this portion of the project
Financial Analyst II	Consultant	Financial analysis support	3-5 years of experience in financial analysis	108.0	Another junior financial analyst with a similar level of experience will support the project

Describe similar projects that your project team or organization has completed. Note any deviations from the original proposal in scope, budget, or schedule and briefly describe project success and lessons learned. If the project was funded by Ecology, include the Ecology grant or loan number.
The City's Project Manager was employed at Kitsap Conservation District (KCD) and served as a resource planner for the Rain Garden & LID Program for over four years. KCD's program focused on installing rain gardens and other LID BMPs, such as rain barrels, lawn modification, soakage trenches, and native plants, on properties located in unincorporated Kitsap County. One of the unique elements of this incentive program is that it offers two financing options: Dig Day (rain gardens) or Cost Share (all practices). The Dig Day financing allows KCD to pay contractors directly, where the Cost Share option reimburses landowners up to $1,500 for the construction of the LID BMP. The City's Project Manager is familiar with the necessary steps to implement an LID BMP incentive program. This includes collecting applications from interested parties, evaluating projects based on prioritization criteria, establishing agreements with the property owner and contractor, providing technical assistance, and completing the reimbursement process.

Project Start Date 07/01/2027
The date the actual work will start, or if interim refinance, the date the work started.

List and describe the criteria you used to determine the value and feasibility of the project.

Examples: useful life, installation cost, site suitability, and environmental justice.

This project offers clear value and proven feasibility, as it aligns with the City's goals and follows a well-established incentive program approach that has been successfully implemented through the Puget Sound region. This includes, but is not limited to, City of Seattle's RainWise program, Kitsap Conservation District Cost Share Program, Port Angeles' Rain Garden Rebate Program, and City of Shoreline's Soak It Up Rebate Program. Because the incentive program framework has already been developed and refined by others in the region, the project can incorporate lessons learned from others to ensure that it is executed efficiently and with confidence that the water quality and community benefits will be met.

Briefly describe all project alternatives (including the preferred alternative) considered, and explain how each alternative met or failed to meet the criteria listed above.

Use one line for each alternative and click "save to enter additional alternatives.

Description of Alternative	Criteria
Alternative 1: Contractor to design, construct, and maintain LID BMPs through a performance-based contract	This is the proposed scope included in this grant application. This is the City's preferred alternative to ensuring that LID BMPs are designed, constructed, and maintained according to the minimum performance measures.
Alternative 2: Contractor to design, construct, and maintain LID BMPs through a traditional time and materials contract	A time and materials contract does not typically include performance-based criteria, so the LID BMP design and maintenance performed by a contractor may not be meeting the City's goals for stormwater, community, or economic outcomes.
*Alternative 3: City to design, construct, and maintain LID BMPs	The City has limited staff availability and would be unable to achieve this alternative.

List project stakeholders and provide documentation showing key stakeholders have been identified and how they will support the project.

Key internal project stakeholders include the following staff from the City: Chris Korwel (Stormwater Program Coordinator), Rebecca Dickinson (Public Works Director), Jessica Howard (Public Works Admin Assistant), Damany DeGrant (Lead Maintenance Worker), Kim Pratt (Legal), Laurie Halvorson (Legal), and finance staff. The City is still in the process of identifying external project stakeholders, however, the primary external project stakeholders will be residential property owners. Additional external project partners may include the cities of Mountlake Terrace and Shoreline, tribes, and other private organizations and implementation partners that support the City's community and economic outcomes.

Describe the steps you have taken to be ready to start the project no later than 10 months after the publication of the final offer list. Provide detailed information and documentation on project elements such as status of designs, permits, interlocal agreements, landowner agreements, easements, other secured funding, staff, or agency approvals.

The City's Project Manager obtained project approval from the Public Works Director and met with City Council Members on July 10, 2025 to discuss the project's goals, approach, and anticipated water quality and community benefits. These discussions helped build support and confirm alignment on the project's direction. In addition, the City's Project Manager is in the process of securing additional funding from King Conservation District to cover additional expenses associated with this project. With internal approvals in place, initial outreach to City Council completed, and additional funding sources being considered, the project is ready to start within 10 months from publication of the final offer list.

For stormwater facility and wastewater facility projects: Do you own or have clear control over the entire project area?

Yes No [X] Not Applicable

Please explain why you selected not applicable: Stormwater "Activity" project, not "Facility".

For stormwater facility and wastewater facility projects requiring road cuts: When was the last time the road was resurfaced or reconstructed? This is for informational purposes; no points are associated with this question.

Date:

Have you reviewed the area of potential effect (APE) in the Washington Information System for Architectural and Archaeological Records Data (WISAARD) database? This is for informational purposes; no points are associated with this question.

[X] Yes No Not Applicable

Please explain why you selected not applicable:

Upload a project schedule that includes all tasks necessary to complete the project, including tasks that are not part of the funding request.

Please ensure your project schedule aligns with the funding cycle schedule found at our website: https://ecology.wa.gov/About-us/How-we-operate/Grants-loans/Find-a-grant-or-loan/Water-Quality-Combined-Funding-Program

Upload any other supporting documentation.

Upload Documents

Program Schedule 336645_958153-LFP_CBP3_Program_Schedule_FINAL.pdf

To go to the Water Quality Atlas, follow this link: https://fortress.wa.gov/ecy/waterqualityatlas/StartPage.aspx.

Name the specific water body(ies) this project will improve or protect and the parameters it will address.
The Lyon Creek watershed was identified as the priority catchment area in the City's 2023 SMAP, therefore, residential properties in the Lyon Creek watershed will be given highest priority during the project review and selection process.
Lyon Creek is included on Ecology's 303(d) list for bacteria (fecal coliform), DO, bioassessment, and temperature . Installation of LID BMPs can help address TSS and bacteria, and may also improve DO, bioassessment, and temperature. LID BMPs trap fine sediments that would lead to sedimentation in streams and can remove pollutants bound to the sediment. Bacteria levels can also be reduced by using LID BMPs for on-site stormwater management. Stormwater that infiltrates into the soil will enter creeks or streams at a lower temperature than runoff that is collected through the City's MS4.
LFP has three additional receiving waters (McAleer Creek, West Lake Washington, and East Lake Washington), which could also be positively impacted by this program.

Is the project planning, implementation, or a combination? (For facility projects: check "Planning" for planning and design projects; check "Implementation" for construction projects; check "Planning/Implementation" for combined design/construction projects.)
[X] Planning
Implementation
Planning/Implementation

What type of plan or regulatory requirement does this project address?
TMDL/TMDL Alternative (approved or in development)/Straight to Implementation
Wastewater Engineering Report/Sewer Plan
[X] Permit
[X] Salmon Recovery Plan
[X] Watershed Plan
Shoreline Master Plan
Administrative Order or Other Legal Action
Capital Improvement Plan
Puget Sound Action Plan
Mitigation
Other

If your project is addressing a TMDL, select at least one from the dropdown list.

To select multiple TMDLs, hold down the control key as you select

TMDL Name

Enter the implementation action and plan reference in the Action Table. If this is a planning-only project, you may enter, "Not applicable, planning-only".

Action Table

Action	Reference the document that describe the action, including page numbers and where a copy can be obtained
Not applicable, planning-only	Not applicable, planning-only

Did you discuss this project with Ecology staff? If yes, provide the name of the staff and the last date of contact.
City of Lake Forest Park staff met with Herrera Environmental Consultants (Herrera) and Environmental Incentives (EI) on August 8, 2025 and August 22, 2025 to discuss the project.

Describe how the project drainage area connects to the water body.
Examples: surface flow, ditch, pipe, groundwater, infiltration, and path/distance to outfall/discharge.
Not applicable. This is a planning project.

Describe the measure and method that will be used to determine the water quality benefit and overall success of the project.

If you need help determining a water quality metric, please refer to the Funding Guidelines for suggested metrics by project type.

The City has developed draft stormwater, community, and economic outcomes, performance measures, and verification methods for this project that will be refined during Task 2 of the proposed scope of work included in this grant application.

Stormwater Outcomes

The proposed stormwater outcomes could include the following:
A. LID BMPs are functional, provide stormwater benefits, and do not create flooding or other downstream problems.
B. LID BMPs are in compliance with the National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Stormwater Permit.
To align with the stormwater outcomes described above, the City could specify performance measures that establish minimum requirements for LID BMP function and condition:
A. LID BMPs meet the following design, construction, and/or maintenance standards:
• Rain Gardens: Rain Garden Handbook for Western Washington: A Guide for Design, Installation, and Maintenance (Hinman et al., 2024)
• Rainwater Harvesting: 2026 King County Surface Water Design Manual (King County, forthcoming)
• Permeable Pavement: 2026 King County Surface Water Design Manual (King County, forthcoming)
B. LID BMP maintenance is performed within the 1-year maintenance timeline specified in the NPDES Phase II Municipal Stormwater Permit after the City's inspection identifies an exceedance of one or more maintenance standard(s) or after major storm events (24-hour storm event with a 10 year or greater recurrence interval).
LID BMPs verified to meet these performance measures (i.e., design, construction, and/or maintenance standards) would receive payment on a dollar per square foot basis. Because the LID BMPs provide different amounts of water quality and/or flow control benefits and may be located in any watershed within the city, the payment amount could vary based on the City's assessment of receiving water benefits (e.g., LID BMPs that most directly discharge into the City's receiving waters).

Verification

To receive payment under the partial pay-for-performance model, the contractor will be required to provide verification of program performance in accordance with the performance measures. The contract could include language requesting verification that may include the following steps:
A. The City provides the contractor the design standard or maintenance table/checklist for the specific LID BMP.
B. The Contractor provides a site plan or fills in the maintenance table/checklist (e.g., date maintenance completed, timestamped photographs [before and after maintenance]).
C. City (or third party paid by the City) fills out punch list to verify that the LID BMP is constructed or maintained according to the applicable standards (based on before and after photographs and/or field verification, if feasible).

Community and Economic Outcomes

The proposed community and economic outcomes for this program could include the following:
A. Supporting small, minority-, and women-owned business enterprises (SMWBEs)
B. Ensuring work is performed by Contractor staff living in overburdened communities based on the Washington Environmental Health Disparities Map.
C. Projects encourage other LID BMPs to be installed within LFP
The community benefits of well-maintained LID BMPs are inherent to the stormwater outcomes of this program. Performance measures for the City's design, construction, and maintenance program related to community outcomes could include:
A. A minimum percentage of work completed by SMWBEs (particularly those that provide workforce development programs).
B. A minimum percentage of work hours completed by contractor staff living in overburdened communities.
C. LID BMPs meet specified public outreach minimum criteria (e.g., including yard signs to encourage others to participate in the program, participating in demonstration tours for the public), which the City could define during the program's development in Phase 1.

Verification

Verification may include the following information summarized in an annual report:
A. Total work hours
B. Number of work hours completed by contractor staff living in overburdened communities
C. Percentage of work completed by SMWBEs
D. Percentage of residential properties participating in LID BMP public outreach

Using the method described above, estimate the water quality and public health benefits that will be achieved by the project.

The water quality and public health benefits of this project will be calculated during the next phase of this program development using the metrics developed as part of Task 2 (if this grant proposal is funded).

How long will the project provide benefits after the funding assistance ends? Who will be responsible for maintaining the benefits during its useful life?

This is a planning-level project, so the following information applies to LID BMPs that would be constructed in a later phase of the project. The useful life for LID BMPs can range from five to 40 years depending on the type of BMP (i.e., rain gardens, rainwater harvesting, and permeable pavement). The residential property owners and/or contractor(s) would be responsible for maintaining the benefits during its useful life through maintenance covenants and/or the CBP3 contract.

How will greenhouse gas emissions be reduced or mitigated under this project? And what policies or measures has your organization put in place to reduce greenhouse gas emissions apart from this project?

The City will incorporate strategies to reduce greenhouse gas emissions by emphasizing sustainable practices throughout the project. A key measure would be encouraging the use of virtual meetings whenever feasible, thereby minimizing travel-related greenhouse gas emissions from vehicles. When in-person meetings are necessary, the City would encourage alternative modes of transportation and attempt to reduce the number of trips required.

Are you aware of any Category I or Category II wetlands on the site or downstream from the site? This is for informational purposes; no points are associated with this question.

Yes [X] No Not Applicable

If you selected "Yes", how do you propose to mitigate any impacts to the wetland?

Please explain why you selected not applicable:

Upload a map that shows an aerial view of the project area, an estimated direction of flow for the project area, potential locations for the proposed facility or activity, and how the project connects to the water body named above.

The map does not need to be precise, but it should help reviewers with a general understanding of the area. If access to GIS software is not available, screen shots or snips from Google Maps with arrows and text added using a paint program may be used.

Upload Documents

Map highlighting Lake Forest Park city boundaries.	336649_958152-LakeForestParkonGoogleMaps.png