Community
Watershed Stewardship Program

Application Form

PLEASE READ THE PROGRAM GUIDE before completing this Application Form for information pertaining to eligibility, selection criteria and required documentation.

This Application Form must be completed in full and submitted with all required supporting documentation. See Program Guide for more details.

Grant awards subject to approval of 2013-14 budget.

If you require further assistance, please contact:
Phone: (503) 823-7917 Fax: (503) 823-6995
Email: **shannon.jamison@portlandoregon.gov**

For Administrative Use Only:

A. Applicant Information

Section I: Project Coordinator	
Project Coordinator Name:	
Coordinator's Organization:	St. Mary Ethiopian Orthodox Church
Mailing Address:	
Phone Number:	
Section II: Fiscal Agent	
Fiscal Agent Contact Person:	
Fiscal Agent Organization:	Johnson Creek Watershed Council
Mailing Address:	
Phone:	**E-mail:**

B. Project Information

Project Name: St. Mary Ethiopian Orthodox Church parking lot retrofit

Total Amount of Grant Requested (to a maximum of $10,000): $10,000

Project Location (address or closest street and cross street):

Please check the watershed(s) that the project is located in.

☐ Fanno Creek ☐ Tryon Creek ☒ Johnson Creek ☐ Columbia Slough

☐ Willamette River ☐ Columbia River

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1. **Describe the specific project you wish to undertake with stewardship funds.**

This project will remove approximately 4,900 square-feet of asphalt from the St. Mary Ethiopian Orthodox Church parking lot, which is adjacent to Johnson Creek. A 1,500 square-foot stormwater infiltration basin will be created, which will collect stormwater from the remaining 8,000 square feet of parking area. Funds for soil and plants in the budget will go first to completing the bioswale. Additionally, two other depaved areas will be landscaped with native plants and trees, creating green space for the church. This landscaping will use any funds remaining in the plant and soil budget, as well as extra funds raised through an Ethiopian Dinner Fundraiser. The design for these areas will be created through a collaborative process involving church members and utilizing the technical expertise of project partners from Green Lents and Depave. This project is expected to eliminate flooding issues that the church has been experiencing for years, and will greatly improve water quality.

The Ethiopian Dinner Fundraiser will be held at the church in early June to raise additional funds for the project, and to invite our neighbors and volunteers to see our property and become involved in the project.

2. **Describe what has been done on the project to date.**

The church parking lot has only one drywell, which catches all of the runoff water generated from the parking lot. However, this drywell has been unable to infiltrate the water, which leads to overflow into the church building itself. The church is forced to use pumps to get water from the parking lot to the street during heavy rains, and has placed sandbags around the building to keep stormwater from flooding the building. The church spent $13,000 to have the drywell repaired in 2008, but within 6 months it again stopped functioning.

In February, 2013, Danny Kapsch from the BES stormwater retrofit team visited the site and prepared a site plan, which is attached. Eli Callison from the BES Johnson Creek Watershed Group was consulted. Both Danny and Eli believe that the proposed plan will be successful in managing the runoff from the remaining parking lot area. Cameron Herrington from CWSP consulted the City's Development Services Center and confirmed that a reduction of parking to the 27 spaces in Danny's site plan will exceed the number required for the church.

In March, project partners Green Lents, Johnson Creek Watershed Council, and Depave met with St. Mary Church leaders to coordinate and create a plan of shared responsibility for the project.

3. **Describe how your project complements existing or proposed neighborhood, restoration or watershed plans/projects.**

This stormwater project will alleviate the flooding issues and improve water quality, as well as create a green environment on the church property, which is on the banks of Johnson Creek. The bioswale controls excess stormwater and erosion and naturally recharges groundwater.

4. **Describe the current and proposed role of project coordinator(s).**

Tadele Gelagay will coordinate with the other project partners. He will represent the church and recruit volunteers from the congregation. He will also coordinate a sub-committee of church members to help with planning of this project, a dinner event to raise additional funds, and the ongoing maintenance of the new bioswale and landscaped areas.

5. **Describe your plan for long-term maintenance and continued community involvement. Who will be responsible for monitoring the project site or assessing the needs of the project after the funding period has ended?**

The St. Mary Ethiopian Orthodox Church Board of Trustees and a sub-committee of church members will be responsible for maintenance. They will also seek to maintain the partnerships with Depave, Johnson Creek Watershed Council, and Green Lents.

C. Project Benefits (based on grant selection criteria - *See Program Guide, Section 5*)

Section I: Watershed Benefits (Program Guide, Section 5)

6. **Describe the watershed health benefits expected from this project.**

Improve water quality, allow rain to soak into the ground, reduce stormwater runoff that can wash pollutants into Johnson Creek, reduce sewer overflows, create habitat for pollinators, and create green land on the church premises.

7. **Describe the educational elements of this proposal, including what people involved will learn about watershed health and stewardship.**

The church community will learn how to protect the environment, erosion control, gardening, and the importance of watershed projects.

Section II: Community Involvement and Partnerships (Program Guide, Section 5)

8. **Describe the community benefits expected from this project. How will the neighborhood/community and individuals involved in the project benefit?**

The project will involve many volunteers and participants from all four partner organizations. This project will solve the flooding issue at the church. Church members will learn to transform neglected places into community assets. The project will build relationships between the Ethiopian community and other organizations in our neighborhood.

9. **List the groups that have committed to working on your project and describe how they will be involved (volunteer labor, in-kind donations, etc.). Be sure to provide letters of support from these groups, and account for their contributions in the project budget.**

Depave: Assistance with project planning, site preparation, permitting, saw cutting, depave and planting event coordination, contractor referral

Johnson Creek Watershed Council: Fiscal sponsorship, volunteer recruitment, publicity and support for fundraiser event

Green Lents: Site planning and landscape design support, plant selection, volunteer recruitment, providing tools through Green Lents Community Tool Library

Section III: Equity and Leadership of Underrepresented Communities (Program Guide, Section 5)

10. **Explain how your project helps CWSP meet its goal of promoting equity and the leadership of underrepresented communities, as described in Section 5 of the Program Guide.**

St. Mary's Ethiopian Orthodox Church is a small community church with a limited amount of resources. We are all immigrants and most are living with a subsistence income, and we have not been a beneficiary of community resources. We have not previously been involved in watershed stewardship projects. The church community has been unable to find resources to create another drywell or funds to connect the stormwater to the main sewer system. This project will have a high positive impact in our community, and we can learn a lot out of this project.

D. Project Timeline

Fill in the project timeline provided. Include project tasks such as applying for permits, work parties, outreach activities, major project phases, and estimated completion date.

Month/Year	Tasks to be Completed	Parties Responsible
May 2013	Planning and publicity for Ethiopian Dinner Fundraiser	St. Mary, JCWC
June 2013	Soil testing	Depave
Early June 2013	Ethiopian Dinner Fundraiser	St. Mary, JCWC
Mid June-Early July 2013	Site design and planning	St. Mary, Green Lents, Depave, JCWC
August 2013	Permitting	Depave, St. Mary

September 2013	Depaving work day	Depave, St. Mary, JCWC, Green Lents
September 2013	Excavation and soil	Depave and contractor
October 2013	Selection and purchase of plants	Green Lents, St. Mary
October 2013	Planting work day	St. Mary, Green Lents, JCWC
Winter 2013-2014	Stormwater stays out of the church!	

St. Mary Ethiopian Orthodox Church: parking lot retrofit

	CWSP funds	MATCH	Source of Match	Comments
Materials and Supplies				
Plants	1,650	???	St. Mary Church: Ethiopian dinner fundraiser	Priority for swale area (30% of depaved area)
Soil	1,000	???	St. Mary Church: Ethiopian dinner fundraiser	Priority for swale area (30% of depaved area)
Mulch		600	Donated wood chips from arborist	For the two non-swale depaved areas
Asphalt saw rental, truck, gas, blades	275	175	Depave will donate blades	
Asphalt disposal	1,200			
Gravel/subsoil disposal	1,400			
Truck/gas to pick up plants		150	St. Mary Church members	
Striping + ADA signage + Curb	600			
Rubber tire stops	675			27 tire stops x $22/each
SUBTOTAL	**6,800**	**925**		
Refreshments				
Work party and fundraiser food	200	500	St. Mary Church members	
Professional Services				
Landscape/site design		300	Green Lents	5 hours @ $60/hr
Fiscal sponsor	500	500	Johnson Creek Watershed Council	5% of total; JCWC normally charges 10%
Soil test		200	St. Mary Church: Ethiopian dinner fundraiser	Test conducted by Depave
Contractor for excavation	1,100	500	St. Mary Church: Ethiopian dinner fundraiser	
Permit	1,400			
SUBTOTAL	**3,000**	**1,500**		
Volunteer Labor				
Volunteer Labor		3,750		approx. 250 hours @ $15/hr
GRAND TOTAL	***10,000***	***6,675***		

Google

Address **7715 SE 92nd Ave**
Portland, OR 97266

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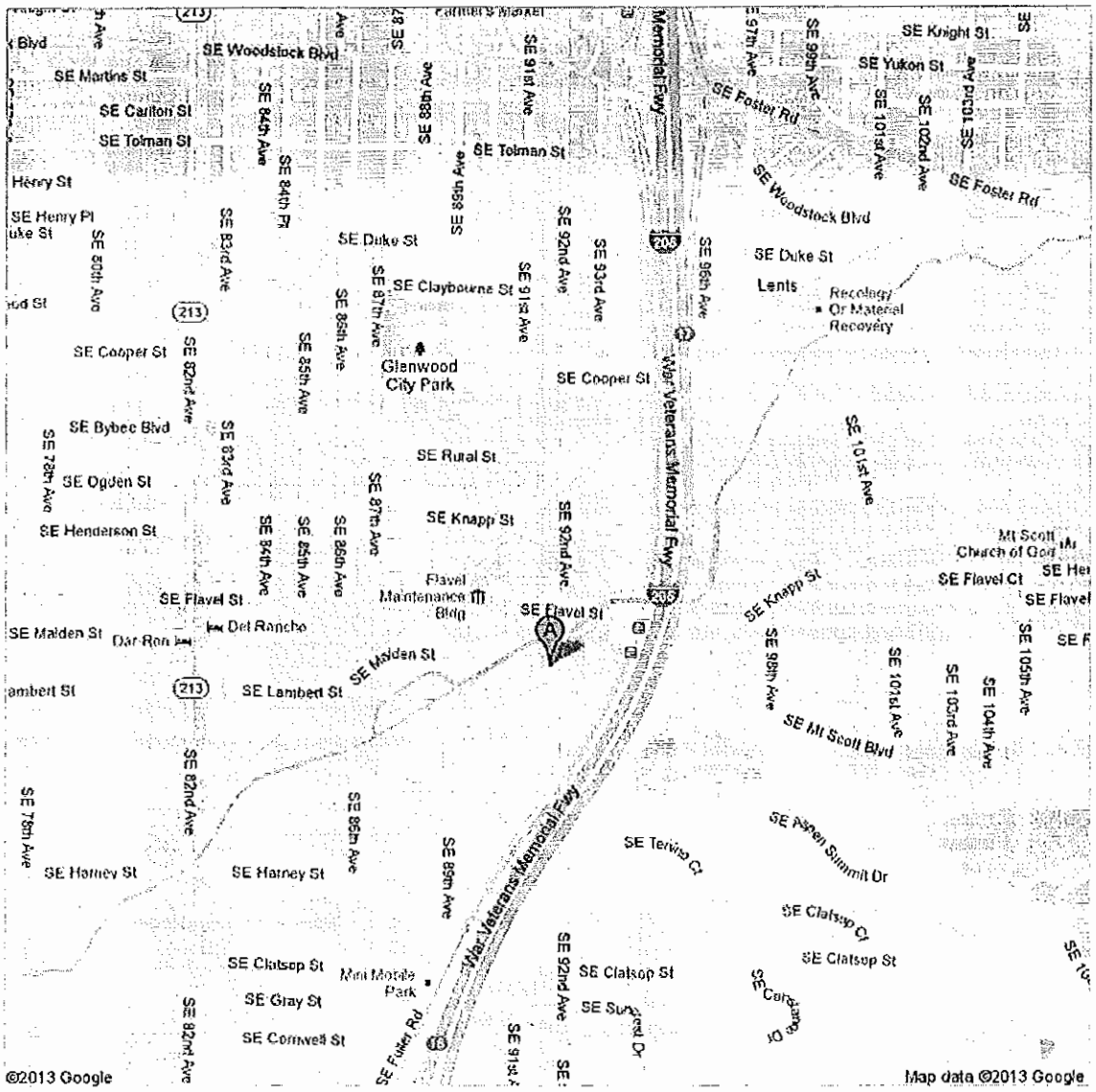

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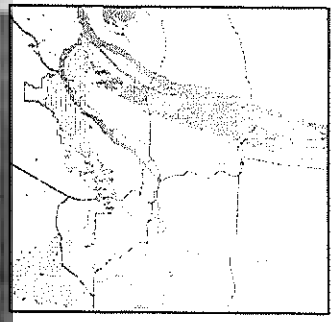

St. Mary Ethiopian Church Retrofit plan

Surface Water Conveyance
- Open Channel
- Roadside Ditch
- Water Body
- Stormwater Pipe or Culvert
- Combined Storm/Sewer Pipe
- Open Water

Public Infrastructure
- Sanitary Gravity Main
- Sanitary Pressure Main
- Combined Gravity Main
- Combined Pressure Main
- Storm Gravity Main
- Storm Pressure Main
- Culvert
- Emergency Bypass
- French Drain

Non-City Street Ownership
- Multnomah County
- Oregon Department of Transportation
- Private Street

Topography
- 2ft Contours

Greenway Zones
- River Water Quality
- River Industrial
- River General
- River Recreational
- River Natural

Environmental Zones
- Conservation
- Protection

Industrial Stormwater and Source Control
- Industrial Pretreatment Permits
- Industrial Stormwater Permits
- Stormwater - No Exposure Certifications
- DEQ Environmental Cleanup Sites

Stormwater Management Facilities
- Private Stormwater Mgmt Facilities
- BES Maintained Stormwater Sites

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CITY OF PORTLAND
ENVIRONMENTAL SERVICES
1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204 ▪ Charlie Hales, Mayor ▪ Dean Marriott, Director

March 20, 2013

From: Daniel Kapsch, BES Stormwater Retrofits
1120 SW 5th Avenue, Room 1000
Portland, OR 97204
Re: St. Mary Ethiopian Church parking lot retrofit

To Whom It May Concern:

An initial site visit was conducted on February 27th at St. Mary Ethiopian Church with representatives Tadele Gelagay and Solomon Belay and CWSP coordinator Cameron Herrington. The purpose of the visit was to discuss drainage issues at the site and determine the best course of action to mitigate those issues. A follow-up visit was conducted on March 12th.

The church currently has a large amount of paved asphalt area that drains to a catch basin and drywell system adjacent to the church building. During heavier rain events, the existing drainage system fails—sending large volumes of stormwater runoff into the church. The drywell was "fixed" in the summer of 2008 but continues to cause issues.

Fortunately the paved areas on the site can be reduced by approximately 4,900 square feet, greatly reducing the volume of runoff and providing new landscaped areas in which to install surface vegetated stormwater facilities and abandon the failed drywell. Reconfiguration of the parking can create a new landscaped area large enough for an appropriately sized infiltration basin that can safely manage the remaining 8,000 square feet of paved area. An initial site plan showing this potential was created for project planning and implementation.

This site plan conforms to current City zoning requirements for off-street parking for the church. This was verified with an inquiry visit with a City planner at the Development Services Center on March 5th. Additionally, the Johnson Creek watershed group was consulted to determine if drywell failure could be related to the seasonally high water tables of the adjacent Johnson Creek. Groundwater levels in this area are generally below the creek and are typically not an issue in this area. This indicates that a surface vegetated stormwater facility will function well for the property.

Overall the project is a needed improvement that would reduce stormwater issues at the site and greatly reduce stormwater runoff generated from the site. The project will also create additional green space within the historic floodplain of Johnson Creek, creating additional watershed benefits.

Regards,

Danny Kapsch

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ENVIRONMENTAL SERVICES

1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204 ▪ Charlie Hales, Mayor ▪ Dean Marriott, Director

March 25, 2013

Community Watershed Stewardship Program
Bureau of Environmental Services
1120 SW 5th Ave, Room 1000
Attn: Rebecca Hamilton

Dear Rebecca:

I'm writing in support of the Ethiopian Orthodox Church's depave/bioswale CWSP grant. After reviewing the data available from the USGS website on this site, and discussing the location with Joel Bowker from the UIC section, it does appear that the church needs to reduce the amount of stormwater impacting the drywell onsite to prevent flooding of their structure. Their approach to reduce the impervious surface, and provide additional surface infiltration, would contribute to this goal. Furthermore, from the data available, it does not appear that groundwater levels are high enough to negatively impact a surface facility at this site. However, I would recommend infiltration testing, and groundwater monitoring for sight specific data to confirm this.

Sincerely,

Eli Callison
Watershed Services Group - Johnson Creek
Bureau of Environmental Services

Cc: Maggie Skenderian, Johnson Creek Watershed Manager

Green Lents

Our Place, Our Community, Our Home: Lents!

March 27, 2013

Cameron Herrington
Community Watershed Stewardship Program
Portland Bureau of Environmental Services
1120 SW 5th Avenue, Suite 1000
Portland, OR 97214

RE: St. Mary's Church Depaving and Stormwater Facility project

Dear Cameron:

On behalf of Green Lents, I am writing in support of the St. Mary's Ethiopian Church application for the Community Watershed Stewardship Program grant. Green Lents is looking forward to the partnership opportunity with the church, DePave, and the Johnson Creek Watershed Council. Green Lents is an all-volunteer run non-profit with a mission to provide education, volunteer and leadership opportunities in and around the Lents neighborhood to promote a thriving, sustainable community. We have a dedicated Watershed Team with the capacity to support this project.

Green Lents will assist with the sizing and design of the stormwater facility, plant selection for the facility, publicity and volunteer recruitment for the depaving and planting work parties, and providing tools through the Green Lents Community Tool Library. A member of the Watershed Team will attend the project planning and coordination meetings with the church and the other partner organizations.

Thank you for your consideration of this great community project to enhance the Johnson Creek watershed.

Sincerely,

Melanie McCandless

Green Lents Watershed Team Leader & Board Member

8814 SE Rural Street, Portland OR 97266 | getinvolved@greenlents.org | 971-266-4196

www.greenlents.org • facebook.com/green.lents • twitter @greenlentsnow

Board of Directors: Jalene Littlejohn *Co-Chair*, Jessica Anders *Co-Chair*, David Nemo *Treasurer*, Melanie McCandless *Records Keeper*, Xavi Cortal, David Hyde, John Notis, Cora Potter

depave

from parking lots
to paradise

March 27th, 2013

Community Watershed Stewardship Program
Portland Bureau of Environmental Services
1120 SW 5th Avenue, Suite 1000
Portland, OR 97214

Re: St Mary's Ethiopian Church Depaving

To the Grant Evaluation Committee,

On behalf of Depave, I am writing in enthusiastic support of the St Mary's Ethiopian Church grant application for funding to implement stormwater elements in their parking lot. We are excited to partner with the church congregation, the Johnson Creek Watershed Council, and Green Lents to improve this space and help alleviate serious flooding issues. Having worked with a variety of groups to implement these types of retrofits, I am very encouraged by the community support for this project.

Specifically, Depave is able to assist church and partner volunteers in construction/permitting drawing preparation, the permitting process, saw cutting, depave and planting event coordination, as well as providing technical process guidance to the project leaders at St Mary's and the Johnson Creek Watershed Council.

Please give this application your full support! Thank you for your consideration.

Sincerely,

Eric Rosewall

Eric Rosewall
Depave Program Director

P:
E:

Johnson Creek
Watershed Council

March 26, 2013

Mr. Cameron Herrington
Community Watershed Stewardship Program
City of Portland – Bureau of Environmental Services
1120 SW Fifth, Room 1000
Portland, OR 97205

RE: Support for St. Mary Ethiopian Church's depaving project grant application

Dear Cameron:

On behalf of Johnson Creek Watershed Council (JCWC), I would like to express our strong support for St. Mary Ethiopian Church's project to depave part of their current parking lot and install bioswales. We are always happy to help activate enthusiastic community members in caring for our shared local environment, and are particularly excited that the project will benefit water quality in nearby Johnson Creek. We encourage you and the CSWP grant review committee to consider their grant application favorably.

Per our discussions, JCWC will serve as fiscal agent for this project, as we have done in the past for other CSWP grant recipients such as Friends of Tideman Johnson and Friends of Crystal Springs. We have a large volunteer base and are happy to help with volunteer recruitment and management for the depave and planting events. We also would be able to lend tools as needed. Finally, we would be happy to advise St. Mary Ethiopian Church members on production of a fundraising event such as an Ethiopian dinner, and could help them promote a fundraising event to our supporters through JCWC's monthly electronic bulletin and Facebook page.

Thank you for your serious consideration of St. Mary Ethiopian Church's application. We look forward to working with them on this valuable project.

Sincerely,

Matt Clark
Executive Director

The Johnson Creek Watershed Council is a 501(c)(3) non-profit organization. Tax ID: 93-1311608.
1900 SE Milport Road, Suite B Milwaukie, OR 97222 503-652-7477 www.jcwc.org

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St. Mary Ethiopian Orthodox Tewahedo Church Portland Oregon
7715 SE 92nd Avenue • Portland, Oregon 97266

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For the preaching of the cross is foolishness to those who are perishing, but to us who are being saved it is the power of God. 1Cor 1:18

City of Portland Environmental Services
1120 SW 5TH Avenue, Room 1000
Portland, Oregon 97204

March 28, 2013

Re: <u>Application for Community Watershed Stewardship Program</u>

I, Tadele Gelagay, the chairman of the board of trustee representing St. Mary's Ethiopian Orthodox church is politely requesting the City of Portland community Watershed Stewardship grant program taking into considerations our grant application. We are currently partnering with Dpave, Johnson Creek Watershed Council and the Green lent watershed team which they are generously willing to provide us all the necessary technical support and mobilizing other resources to alleviate the church parking water overflowing problems.

Thank you for considering our application!!

Sincerely,

Tadele Gelagay

Tadele Gelagay, Chairman of the Board