

## RESOLUTION NO. 17-67

### Resolution Of The City Council Of The City Of Emeryville Adopting A Framework For Green Infrastructure Plan Development

**WHEREAS**, Provisions C.3.j, C.11 and C.12 of the reissued Municipal Regional Stormwater Permit (MRP 2.0) adopted by the San Francisco Bay Regional Water Quality Control Board on November 19, 2015 (Order No. R2-2015-0049) require permittees to prepare a Green Infrastructure Plan; and

**WHEREAS**, the Green Infrastructure Plan will include a mechanism to prioritize and map areas for potential and planned projects, both public and private, wherein compliant vegetated stormwater management systems will be constructed to remove pollutants from stormwater before it reaches the storm drain system and natural waterways; and

**WHEREAS**, the MRP 2.0 requires that the City meet the following milestones:

1. The City must adopt a framework for its Green Infrastructure Plan by June 30, 2017.
2. The Green Infrastructure Plan must be complete and approved by City Council before June 30, 2019.
3. The approved Green Infrastructure Plan must be submitted with the City's Annual Stormwater Report in September 2019; now, therefore, be it

**RESOLVED**, that the City Council of the City of Emeryville hereby adopts the Framework for Green Infrastructure Plan Development, attached hereto as Exhibit A, to prepare the required Green Infrastructure Plan.

**ADOPTED**, by the City Council of the City of Emeryville at a regular meeting held Tuesday, May 16, 2017, by the following vote:

AYES:	<u>5</u>	Mayor Donahue, Vice Mayor Bauters and Council Members
NOES:	<u>0</u>	Martinez, Medina and Patz
ABSTAIN:	<u>0</u>	
ABSENT:	<u>0</u>	

ATTEST:

MAYOR

CITY CLERK

CITY ATTORNEY



CITY OF EMERYVILLE

# **City of Emeryville**

## **Framework for Green Infrastructure Plan Development**

This Framework for Green Infrastructure Plan Development is organized as follows.

- Section 1: Purpose
- Section 2: Municipal Stormwater Permit Deadlines
- Section 3: Specific Tasks for Plan Development
- Section 4: Timeframe for Plan Development
- Section 5: Staffing Assignments
- Section 6: Budget

### **1. Purpose**

This document provides a framework for the development of a Green Infrastructure Plan for Emeryville. The purpose of the Green Infrastructure Plan is to guide the identification, implementation, tracking, and reporting of green infrastructure projects. “Green infrastructure” refers to a sustainable system that slows runoff by dispersing it to vegetated areas; harvests and uses runoff; promotes infiltration and evapotranspiration; and uses bioretention and other low impact development practices to clean stormwater runoff. The Green Infrastructure Plan will be developed in accordance with Green Infrastructure Plan requirements in Provision C.3.j of the Municipal Regional Stormwater Permit (MRP) (Regional Water Quality Control Board Order No. R2-2015-0049, adopted on November 19, 2015), which states in part:

....the [Green Infrastructure] Plan is intended to describe how Permittees will shift their impervious surfaces and storm drain infrastructure from gray, or traditional, storm drain infrastructure where runoff flows directly into the storm drain and then to the receiving water, to green—that is, to a more resilient, sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention and other green infrastructure practices to clean stormwater runoff.... The Plan is intended to serve as an implementation guide and reporting tool... to set goals for reducing, over the long term, the adverse water quality impacts of urbanization and urban runoff on receiving waters.

### **2. Municipal Stormwater Permit Deadlines**

Provision C.3.j.i.(1) of the Municipal Regional Stormwater Permit requires the City of Emeryville to approve this document, a framework to develop a Green Infrastructure Plan, by June 30, 2017. The subsequently-developed Green Infrastructure Plan itself must be submitted to the Regional Water Quality Control Board by September 30, 2019.

### **3. Specific Tasks for Plan Development**

Preparation of the Green Infrastructure Plan will require the following specific tasks.

### **Identify Green Infrastructure Projects**

A list of known future private and public green infrastructure projects will be developed for inclusion in the Green Infrastructure Plan. This list will include, but not be limited to, documentation of plans for private and public development projects that are subject to MRP Provision C.3 stormwater requirements. The Green Infrastructure Plan will also document the continuing implementation and results of the MRP-required review of planned capital improvement projects for their potential to incorporate green infrastructure elements. Emeryville staff initiated this review process in Fiscal Year 2015-16 and will continue to evaluate projects as they are conceived, funded, and carried out. Additionally, a tool developed by the Alameda Countywide Clean Water Program will be used to identify, map, and prioritize potential green infrastructure projects that may be included in the Green Infrastructure Plan.

### **Develop Tracking Procedures**

Guidance provided by the County Clean Water Program will be used to develop procedures for estimating the pollutant load reduction benefits of green infrastructure projects, and for tracking and reporting on completed projects. The procedures will be described in the Green Infrastructure Plan.

### **Incorporate Guidelines and Typical Designs**

The Green Infrastructure Plan will incorporate guidelines for streetscape and green infrastructure project design and construction, and green infrastructure typical design drawings and specifications. These will be based on example guidelines, typical design drawings, and specifications provided by the County Clean Water Program. The City of Emeryville will evaluate the materials provided by the County Clean Water Program for consistency with local standards, and will revise existing guidelines, standard specifications, design details, and procedures as needed.

### **Update Planning Documents**

To support the implementation of the Green Infrastructure Plan, planning documents, including those listed below, will be reviewed, and relevant sections of these documents will be modified as needed for the incorporation of green infrastructure in public and private development projects. Some of the documents that may be considered for review and revision include:

- General Plan
- Area plans such as the Park Avenue District Plan and the North Hollis Area Urban Design Program
- Other applicable plans, policies and guidelines such as the Parks and Recreation Strategic Plan, Complete Streets Policy and Emeryville Design Guidelines
- The Pedestrian and Bicycle Plan

### **Evaluate Funding Sources**

An evaluation of funding sources for potential future public green infrastructure projects will be included in the Green Infrastructure Plan. Guidance provided by the County Clean Water Program may be used to develop an in-lieu fee for private development projects that are constrained from fully meeting stormwater treatment measures onsite, as a potential funding source for future public green infrastructure projects.

### **Training and Outreach**

Staff will receive training on green infrastructure planning, implementation, design, and maintenance from the County Clean Water Program. Updates and opportunities for input on the preparation of the Green Infrastructure Plan will be provided to the City Council and relevant Council Committees and Advisory Committees. Outreach to the general public and development community will be conducted in coordination with the County Clean Water Program.

### **Compile Green Infrastructure Plan**

Documentation of the tasks described above will be compiled into the Green Infrastructure Plan for review by the City Council.

### **Implement the Green Infrastructure Plan**

A resolution, policy, or other legal mechanism will be adopted to begin implementing the Green Infrastructure Plan.

### **Submit Plan to the Water Board**

The Plan, and applicable policies or other legal mechanisms for Plan implementation, will be submitted to the Regional Water Quality Control Board (Water Board) with the City of Emeryville's 2019 Annual Report of Stormwater Program Implementation.

## **4. Timeframe for Plan Development**

The schedule for conducting specific tasks is presented below. Adoption of the Green Infrastructure Plan is scheduled for June 30, 2019. The Plan, and applicable policies or other legal mechanism for Plan implementation, must be submitted to the Regional Water Board by September 30, 2019.



## Schedule of Specific Tasks

Task	FY 2016-17		FY 2017-18				FY 2018-19				FY 2019-20	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Identify Projects												
Develop Tracking Procedures												
Incorporate Guidelines												
Update Planning Documents												
Evaluate Funding Sources												
Training and Outreach												
Compile Plan												
Adopt Plan												
Submit Plan to Water Board												

### 5. Staffing Assignments

The Public Works Director and Environmental Programs Supervisor, will be responsible for the coordination and allocation of resources to complete the preparation of the Green Infrastructure Plan as required.

### 6. Budget

Based on staff time estimates developed by the County Clean Water Program, staff recommend hiring a half-time intern for two years at a total cost of \$22,000; in addition, it is estimated that a total of .25 FTE spread among existing staff will be required. Additional costs for the revision of existing plans, policies, and guidelines may also be incurred.