

# NPDES Update: New Municipal Stormwater Permit



September 16, 2013  
Bellevue City Council  
Study Session



# Presentation

- Overview
- New Permit
  - What stayed the same
  - Significant New Requirements
- Next Steps & Future Council Actions



Information Only  
No Action Required

# NPDES Municipal Stormwater Permit

## National Pollutant Discharge Elimination System

- \* Federal Clean Water Act Permit
- \* Goal – protect water quality & fishable, swimmable uses by reducing pollution discharged from the municipal storm drainage system into surface waters

### Phase I Permit

- Cities/Counties with pop.  $\geq$  100,000 in the 1990 Census
- Snohomish, King, Pierce, and Clark counties (unincorporated), Seattle, Tacoma & WA Dept. of Transportation

### Phase II Permit

- Cities/Counties with pop.  $<$  100,000 in 1990 census and  $\geq$  10,000
- 85 Western Washington cities and counties including Bellevue

# History - Phase II Permit

## Where we've been

2007 – 2012

1<sup>st</sup> 5-year  
NPDES Permit

### Stormwater Management Program

- Permit administration
- Public education & outreach
- Public involvement
- Illicit discharge detection & elimination (IDDE)
- Controlling runoff from new & re-development and construction sites
- Pollution prevention and O&M for municipal operations
- Water quality monitoring

2012 – 2013

Reissued 1<sup>st</sup>  
NPDES Permit

### On August 1, 2012, Ecology:

- Reissued 1<sup>st</sup> Permit to July 31, 2013
- Issued new, 5-year Permit for Aug. 1, 2013 to Aug. 1, 2018
- Issued new 2012 Ecology Stormwater Manual

Phase II Coalition appealed certain conditions in the new 5-yr Permit to the PCHB\* on August 30, 2012

# New 5-year Permit (2013-2018)

## What Stayed the Same...

Effective August 1, 2013

Retains 1<sup>st</sup> permit's structure

Stormwater Management Program

Phased implementation approach

*Continues & builds upon* 1<sup>st</sup> permit's Program req.

Increases operational requirements for IDDE and O&M programs

Adds a new monitoring requirement

Adds 2 significant new development requirements - citywide impacts

# Significant New Requirements

Plus annual regional stormwater monitoring fee

## LID Land Use Principles

Review and revise citywide regulations to require Low Impact Development (LID) land use management strategies which

- \* Minimize impervious surfaces
- \* Minimize native vegetation loss

## LID Stormwater Facilities

Amend stormwater development codes and standards to adopt the new 2012 Ecology Stormwater Manual (LID stormwater facilities)

Goal: Make LID the preferred & commonly used approach to site development

Complete by December 31, 2016

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## Increased Illicit Discharge Detection & Elimination (IDDE)

Develop methodology & field screen 40% of the municipal storm drainage system for illicit discharges

Complete by December 31, 2017

## Increased Operation & Maintenance

Implement new 2-year catch basin inspection frequency for the municipal storm drainage system

Complete by August 1, 2017

# LID Land Use Principles Requirement

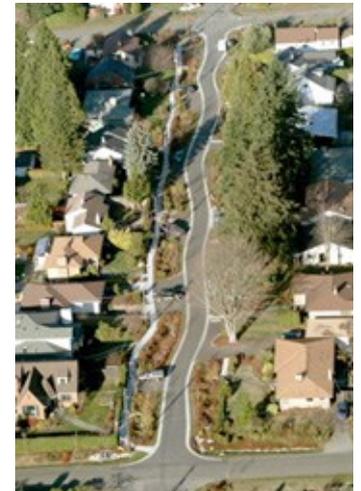
Minimize impervious surfaces/native vegetation loss

## LID Land Use Principles (philosophy)

- Requires review and revision process
- Sets no metrics – municipalities decide
- Requires good faith effort

## Process begins with opportunity analysis

- Comprehensive Plan
- Subdivision & PUD development codes
- Critical areas and shoreline management regulations
- Land Use Code
- Open Space
- Fire Code
- Bulk and dimensional consideration
- Impervious surface limit standards
- Landscaping/native vegetation/street landscaping standards
- Parking / Street Standards
- Design standards and guidelines for building & site design elements



# LID Land Use Principles Project Approach

Minimize impervious surfaces/native vegetation loss

- **Opportunity Analysis (consultant)**

- ❖ *Council Direction (2014)*

- Project Team with public input will identify recommended scope of regulations to be considered and project schedule for City Council direction.

- **Develop Options (consultant)**

- ❖ *Council Direction (2015 or 2016)*

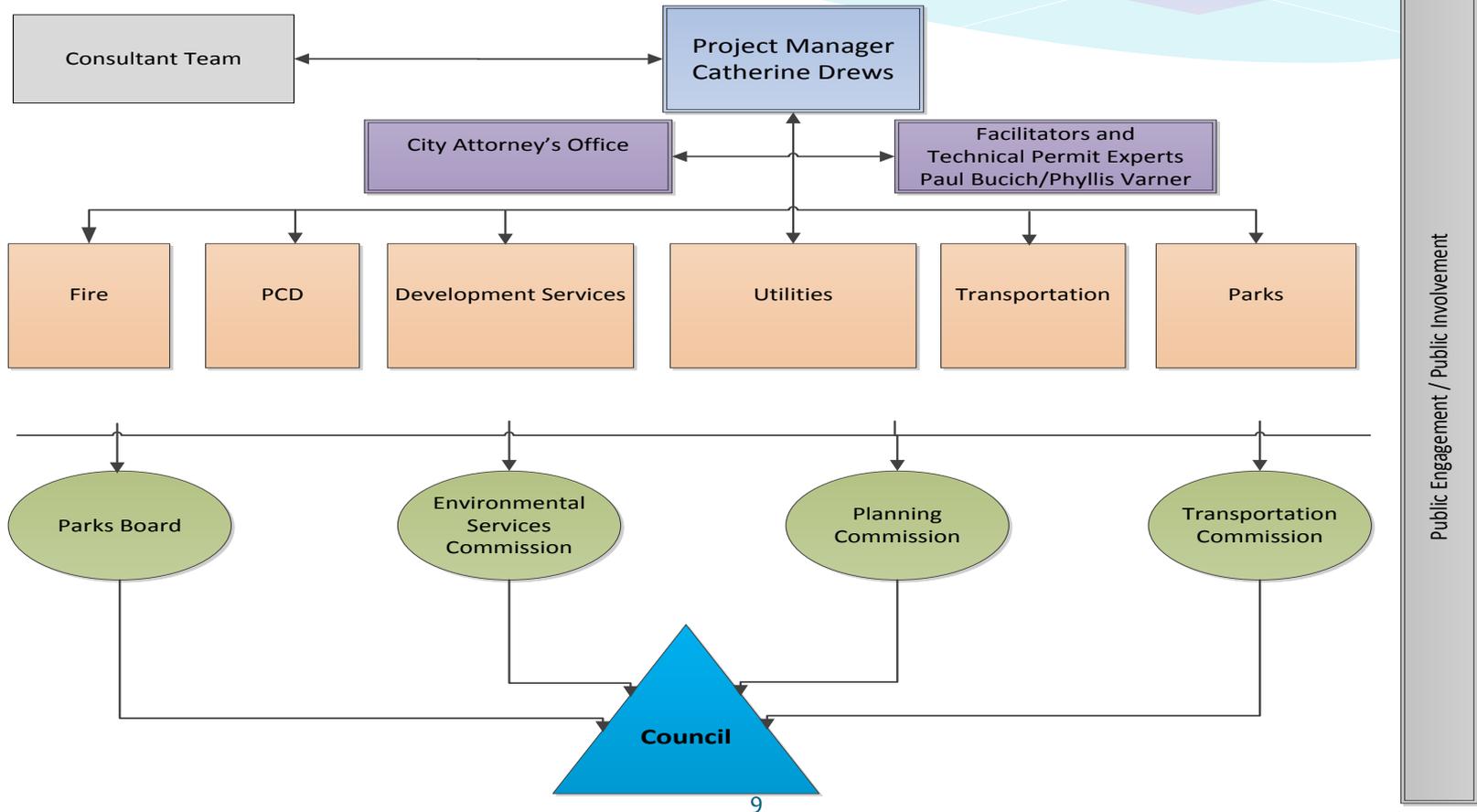
- Project team with public input will develop options and recommendations, conduct review process with Boards and Commissions, and return to City Council for direction on options to implement through code amendments and updated standards

- **Amend Codes by December 31, 2016**

- ❖ *Council Direction (2016)*

- Project team will write city code amendments based on Council approved options for their approval as well as update city standards as needed

# LID Land Use Principles Project Team



# Next Steps & Future Council Actions

- **NPDES Annual Report (2014)**
  - 2014 Stormwater Management Program Plan
- **LID Land Use Principles (2014-2016)**
  - Opportunity analysis (2014)
  - Options (2015-2016)
  - Code amendments (2016)
- **LID Stormwater BMP Development Codes (2016)**

# Questions

