



## MEMORANDUM

**TO:** Comprehensive Plan Citizen Advisory Committee (CAC)

**FROM:** Laura Weigel, Associate Planner

**DATE:** February 22, 2013

**SUBJECT:** Agenda Item 1: Surface Water Management Goals and Policies

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### ACTIONS

1. Review the first draft of the "Surface Water Management" goals and policies prior to the Planning Commission work session on March 11, 2013.

**Track Changes Version:** Attachment 4a.

**Clean Version:** Attachment 4b.

#### Purpose of Proposed Updates:

- Combine two sections of the 1994 Comp Plan: Goal 6, Section 5 Water Quality Resources and Goal 11, Section 5, Stormwater Management. The City manages stormwater and water quality under the Surface Water Management Utility. The conveyance of stormwater is integral to water quality and therefore should not be considered separately.
- Clarify existing language
- Remove redundancies
- Update to reflect the Surface Water Management Master Plan and practices in this field
- Reflect the Community Vision and Values and results from the Aug. 2012 virtual summit.

The CAC received a brief overview of Surface Water Management on January 31, 2013. The powerpoint is included in the meeting materials for February 28<sup>th</sup> on the website as Reference A.

### NEXT STEP

The Planning Commission will review the draft goals and policies in a work session on March 11, 2013. The revision from the PC will be reviewed with the CAC on March 21<sup>st</sup> prior to the Community Health and Public Safety hearing this summer.

**GOAL 11, Section 2 Stormwater**  
**Goal 6: Section 2. Water Resources Quality**  
**NEW TITLE:**  
**Surface Water Management**

**1. Goals**

1. ~~Increase water quality by reducing the amount of pollution conveyed by storm water runoff. problems which cause flooding, erosion and water quality problems.~~

~~2. The City shall:~~

~~a. 2. Reduce water pollution and~~

2. Ensure that future land use activities protect and enhance area water quality, and;

~~3. 3. Protect and enhance the functions and values of the natural ground and surface water drainage systems\*.~~

**Policies**

~~SW 1. Minimize future storm drainage problems within and adjacent to the Urban Services Boundary (USB).~~

~~SW 2. Implement measures to protect and improve existing drainage systems and easements by~~

~~SW 3.Aa. Prohibiting the encroachment of structures and other permanent improvements over public storm drainage lines and within public storm drainage easements and drainage ways.~~

~~SW 4. b. Discourage modification to existing open drainage ways, and allow only modification when such action is in conformance with City standards.~~

SW 5. Require new and improved storm drainage facilities to have the adequate capacity to accommodate storm drainage flows from upstream development at full build-out and to comply with the City's Surface Water Management Program projected upstream flows within the respective drainage basin in addition to runoff generated by the development served by these facilities.

~~SW 9. Require all storm drainage improvements on private property to Accommodate, and that required as a condition of new development to:~~

~~a. Accommodate storm drainage flows of development at full build out; and,~~

~~b. Be compatible with the City's Storm Drainage Public Facility and Capital Improvement Plans and Surface Water Management Program.~~

SW 6. Require developers to construct required storm drainage facilities and to pay an appropriate system development charge (SDC).

SW 7. Develop equitable funding mechanisms:

a. ~~For To maintain~~ storm drainage facilities maintenance;

b. To resolve the deficiencies of the existing and future system within developed areas, and provide adequate storm drainage services to developing areas; and,

c. To implement a capital improvement program (CIP) for the storm drainage systems surface water management.

**Comment [LW1]:** Removed function and values for simplicity's sake.

**Comment [LW2]:** Deleted. Redundant.

**Comment [LW3]:** Deleted because modifications must be in conformance with City Standards, so the statement is irrelevant.

**Comment [LW4]:** Removed the word adequate because the question is "what is adequate"

**Comment [LW5]:** Combined SW5 & 9 to reduce redundancy.

**Comment [LW6]:** We are looking at all of the SDC statement in the plan to determine the best way to handle them.

SW 8. Utilize natural systems and non-structural methods to ~~treat, convey and dispose of storm water~~stormwater of run-off/runoff ~~control storm water~~stormwater run-off at the source ~~as a preference to structural systems~~ to the extent allowed by site characteristics.

~~WQ 1. Protect the natural surface water drainage systems and enhance water quality by treating and controlling run-off and pollution at the source.~~

~~WQ 2. Favor the use of the natural drainage system and other non structural methods to treat, convey and dispose of run-off.~~

~~SW 9. Require all storm drainage improvements on private property, and that required as a condition of new development to:~~

- ~~a. Accommodate storm drainage flows of development at full build-out; and,~~
- ~~b. Be compatible with the City's Storm Drainage Public Facility and Capital Improvement Plans and Surface Water Management Program.~~

~~WQ 1. Protect the natural surface water drainage systems and enhance water quality by treating and controlling run-off and pollution at the source.~~

~~WQ 2. Favor the use of the natural drainage system and other non structural methods to treat, convey and dispose of run-off.~~

~~WQ 3. Lake Oswego's management of surface water shall:~~

- ~~a. Restore, protect and enhance water quality and the physical and biological integrity of rivers, lakes and stream corridors and their associated environmental values including natural vegetation, fish and wildlife habitats;~~

~~WQ 9. Restore the environmental functions and values of stream corridors as a means to enhance water quality.~~

**Combined a & WQ9:**

~~WQ 9. Restore, protect and enhance the environmental functions and values of rivers, lakes and stream corridors as a means to enhance water quality and fish and wildlife habitat.~~

- ~~b. Promote public safety and minimize damage to public and private property ~~by~~ from surface water run-off; and,~~
- ~~c. Educate and involve the community in opportunities to protect, restore, ~~protect~~ and enhance water quality.~~

~~WQ 4. Fund surface water management programs in a manner which allocates costs based upon the impact a development has upon the surface water management system.~~

WQ 5. Require all development and redevelopment to: implement measures to minimize run-off from the development site during and after construction.

- a. ~~Comply with applicable local, state and federal water quality and erosion control standards; and,~~
- b. ~~implement measures to minimize run-off from the development site during and after construction.~~

WQ 6. Develop and implement intergovernmental agreements with local, regional, state and federal agencies to

**Comment [LW7]:** Combined three policies to remove redundancy.

**Comment [LW8]:** The chapter is about managing surface water so remove this line but keep policies.

**Comment [LW9]:** Deleted. Redundant to policy SW7.

**Comment [LW10]:** Compliance is required.

implement measures to minimize the quantity of pollutants entering ground and surface waters from both point and non-point sources\*.

WQ 7. Facilitate the extension of the City's sanitary sewer systems and implement surface water management systems to areas within the Urban Services Boundary where ~~failing~~ septic systems fail, are contaminating ground and surface waters, provided:

- a. ~~Those properties benefiting from sewer extension pay their commensurate share of the cost of service, and,~~
- b. ~~Annexation occurs prior to any property receiving service.~~

**Comment [LW11]:** Redundant to Annexation Policies in Inspiring Spaces and Places.

WQ 8. Improve the water quality of Oswego Lake and the Willamette and Tualatin Rivers by working with DEQ, Oswego Lake Corporation and area residents and businesses within the Lake's drainage basin to implement water quality programs and projects.

- ~~WQ9. — Restore the environmental functions and values of stream corridors as a means to enhance water quality.~~

**New Policies:**

Promote Low Impact Development (LID) to improve water quality, reduce impervious surfaces, promote infiltration, and preserve open space.

Ensure public and private stormwater systems are planned, developed, and maintained to prevent flooding, protect water quality, and preserve natural surface water systems to protect aquatic habitat:

Ensure that construction and maintenance projects are planned and implemented to cause as little short and long term harm as possible to the environment.

Investigate drainage and flooding problems; facilitate analysis, design, and implement solutions.

Reduce the rate of expansion of impervious surface in the community.

Use innovative features in transportation project design to reduce or eliminate stormwater runoff.

**Definitions:**

Ground water: Water held underground in the soil or in pores and crevices in rock.

Surface water: Water that collects on the surface of the ground.

Point and non-point sources: **Point source pollution** comes from a single source, such as a wastewater treatment plant, pipes, ditch, etc. **Non-point source pollution** is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into lakes, rivers, wetlands, coastal waters and ground waters.

**Action Items:**

Explore allowing rainwater harvesting for non-potable uses.

Promote streamside stewardship through education and outreach.