

LTCP/Integrated Plan

CSO Team Meeting
September 4, 2012

Background

Draft Consent Decree between US EPA, Washington Dept. of Ecology and City of Seattle allows the City to submit for approval a work plan that proposes:

“stormwater project(s) that will result in significant benefits to water quality beyond those that would be achieved by implementation of the approved CSO control measures only.”

Integrated Plan Objective

- Proposes stormwater projects to be completed by 2025 that will provide greater water quality benefits compared to the Long Term Control CSO projects
- Identifies CSO projects to be deferred (i.e., completed after 2025). Note that all LTCP projects must be completed.
- The goal of the Integrated Plan is to defer CSO projects past 2025 to focus resources on stormwater projects that will provide greater benefits to the receiving water body and the public.

TASK 1

RANK WATER BODIES & DRAINAGE BASINS

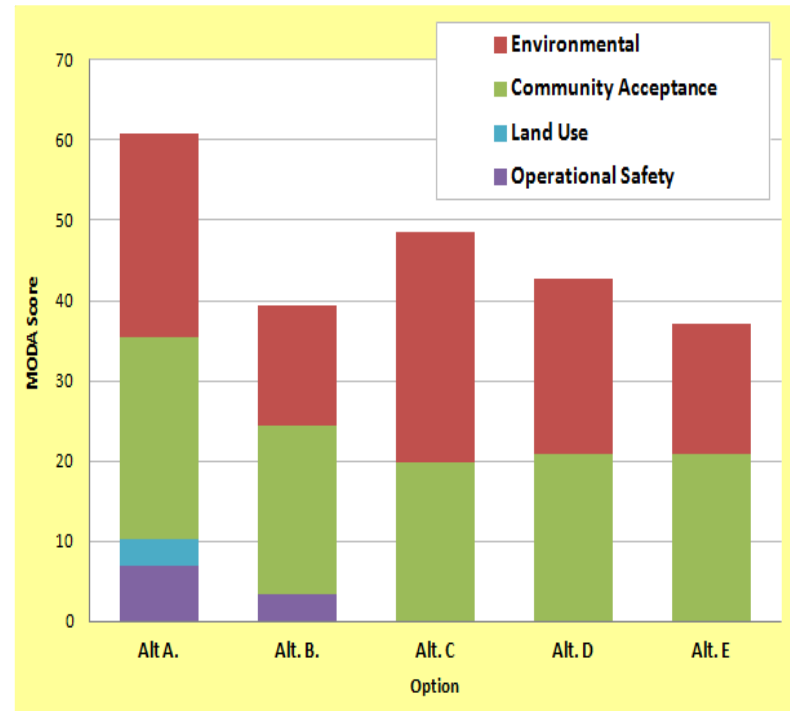
- ✓ Rank based on:
 - Consent Decree requirements:
 - 303(d) Impaired Waters
 - CERCLA
 - Specialized Circumstances
 - Other Considerations:
 - Total Suspended Solids (TSS)
 - Flow



TASK 2

DEVELOP SW OPPORTUNITY CRITERIA

- ✓ Develop criteria that identify appropriate/ applicable stormwater projects/ programs for the ranked receiving water bodies and corresponding drainage basins



TASK 3

IDENTIFY STORMWATER ALTERNATIVES

- ✓ Identify stormwater projects/ programs based on receiving water body ranking
- ✓ Expect to reflect a range of opportunities
 - Stormwater Treatment Facilities
 - Programmatic (Street Sweeping)
 - Green Stormwater Infrastructure (GSI)
 - Joint Treatment with King County



TASK 4 / 5

RATE & RANK STORMWATER ALTERNATIVES / IDENTIFY CSO DEFERMENTS

- ✓ Develop stormwater alternatives
 - Preliminary design criteria and cost estimates
 - Preliminary pollutant load reduction analyses and
 - Preliminary environmental benefit analysis
- ✓ Screen and rank stormwater alternatives
- ✓ Identify CSO projects to defer



Performance Measure Scoring for Planning Area 2 – By SPU

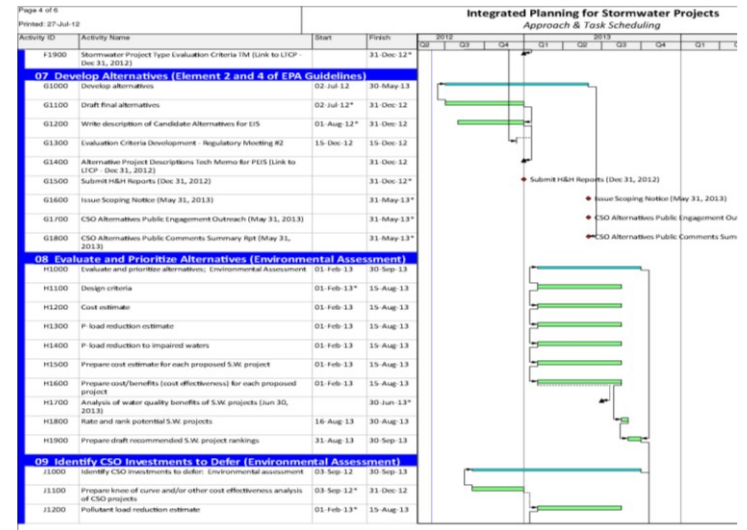
Environmental Performance Measures	Scores - Planning Area 2			
	Joint CSO Storage		SPU Independent	
	Joint KC: Practical Green	Joint KC: Max Green	SPU Independent: Practical Green	SPU Independent: Max Green
Flexibility to meet regulatory requirements: changes over time	2	3	1	2
Minimize impact to surrounding	2	2	1	2

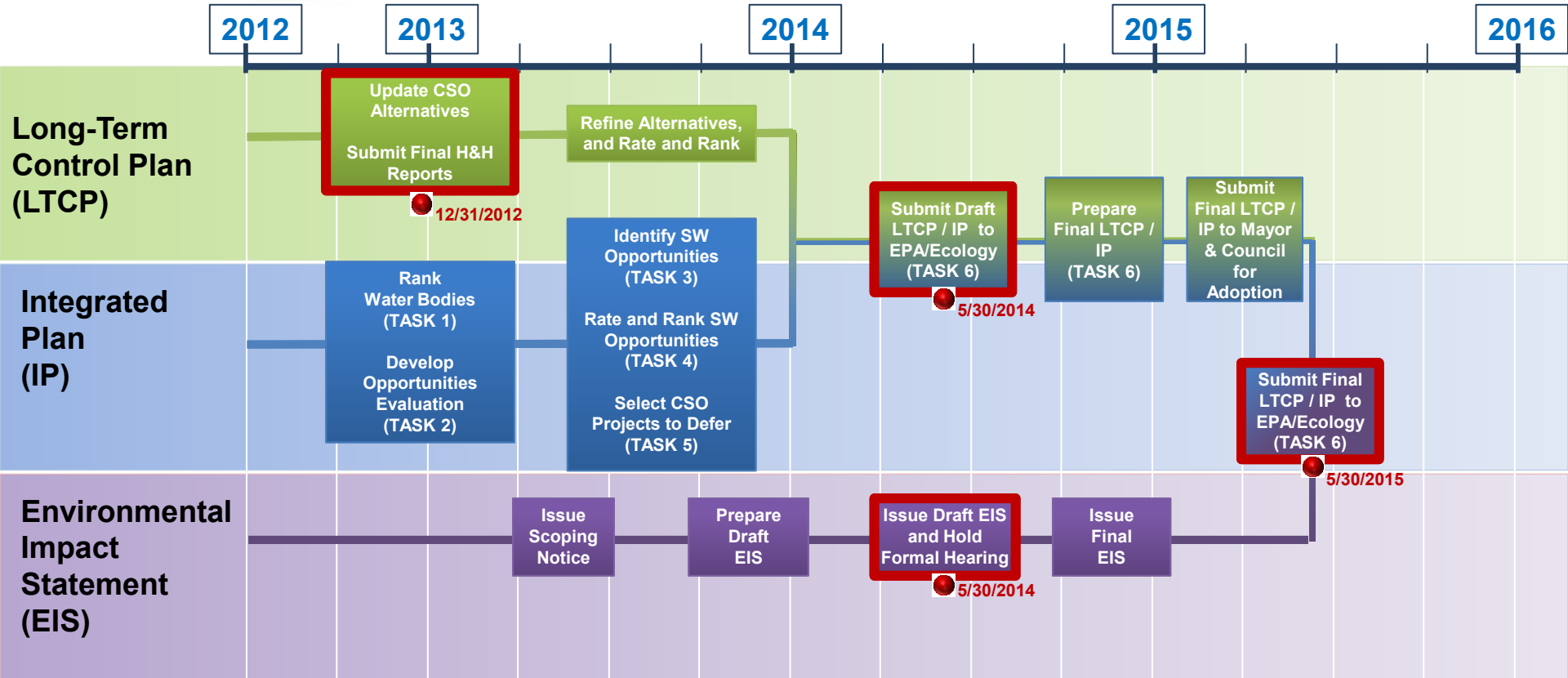
Blue = 3 points
Yellow = 2 points
Red = 1 point

TASK 6 PREPARE INTEGRATED PLAN

- ✓ Submit IP with LTCP
 - Final design criteria and cost estimates
 - Final pollutant load reduction analyses
 - Final environmental benefits analysis

- ✓ Prepare final stormwater and deferred CSO project alternatives
 - Design, construction, implementation schedule
 - Post Construction Monitoring
 - Financial plan





Consent Decree Deadline