



Draft Strategy To Optimize Resource Management of Storm Water

Annalisa Kihara
State Water Resources Control Board



Background

CALIFORNIA WATER PLAN

- Collaborative planning framework
- Statewide resource management strategies
- Urban Stormwater Runoff Management



Background

CALIFORNIA WATER ACTION PLAN

- Make conservation a way of life
- Increase regional self-reliance and integrated water management
- Expand water storage capacity and improve groundwater management





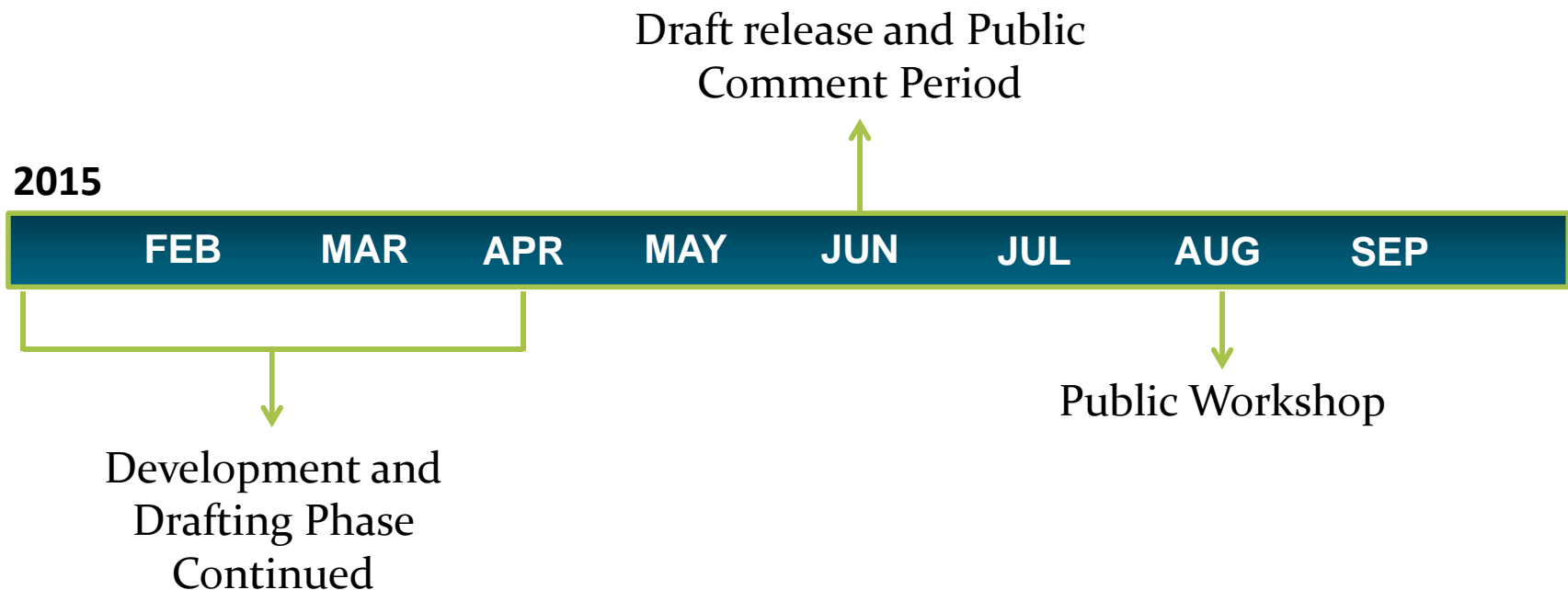
Storm Water Strategic Initiative

COLLABORATION AND OUTREACH

- Draft proposal to develop stormwater program workplan and implementation strategy was developed by a multidisciplinary team from State Water Board and Regional Boards
- A collaborative process with stakeholders representing:
 - environmental advocacy group
 - non-profit organizations
 - municipal, industrial, and construction stormwater permittees
 - general public

Storm Water Strategic Initiative

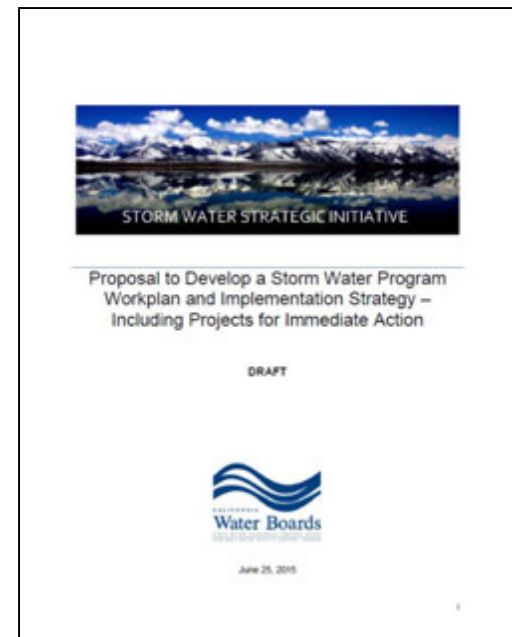
STEPS TAKEN



Storm Water Strategic Initiative

DRAFT PROPOSAL

- Guiding Principles, Issues, Actions
- Guiding comments:
 - Develop a strategic vision for the program with discrete goals
 - Consolidate the overlapping tasks and priorities into implementable projects
 - Leverage existing information and efforts
 - Facilitate the collaboration of regulatory and non-regulatory interests
 - Consider the creation of an Implementation Committee



Storm Water Strategy Partners

WATER BOARD

- Stormwater Planning Unit (DWQ) will lead
- Other related State Water Board programs
- Regional Water Board staff

OTHERS

- Contractors supported through project contract funding
- Stormwater Strategy
- Implementation Committee (proposed)
- Regional Pilot Projects and Partners



Storm Water Strategy - Goals

1. Change the perspective of storm water as a waste or hazard, and treat it as a valuable water resource;
2. Manage storm water to preserve watershed processes and achieve desired water quality outcomes;
3. Implement efficient and effective regulatory programs; and
4. Collaborate to solve water quality and pollutant problems with an array of regulatory and non-regulatory approaches.



Storm Water Strategy - Objectives

1. Increase Storm water Capture and Use
2. Encourage Stakeholder Collaboration
3. Establish Permit Pathways to Assess Storm water Programs and to Meet Water Quality Requirements
4. Establish Financially Sustainable Storm water Programs
5. Improve & Align State Board Oversight of Storm water Programs and Water Quality Planning
6. Support Source Control and Pollution Prevention



Storm Water Strategy - Projects

- 1a. Promote Storm Water Capture and Use
- 2a. Encourage Stakeholder Collaboration to Promote Storm Water as a Resource
- 3f. Develop Guidance for Implementation of Post-Construction Requirements to Improve Watershed Health
- 4b. Eliminate Barriers to Funding Storm Water Programs and Identify Funding for Storm Water Capture and Use Projects
- 4a. Implement Senate Bill 985 – Incorporate Requirements of Storm Water Resource Plans into Storm Water Programs



Storm Water Strategy - Projects

1a. Promote Storm Water Capture and Use

Develop strategies and set regionally – based goals to increase storm water capture and use.

- Identify existing strategies
- Consider new opportunities
- Identify how to align Water Board programs with storm water capture



Storm Water Strategy - Projects

2a. Encourage Stakeholder Collaboration to Promote Storm Water as a Resource

Partner with flood control agencies, water conservation efforts, groundwater sustainability agencies, water agencies, and municipalities to promote projects that provide multiple benefits

- Identify opportunities and barriers to collaboration
- Templates for formal or informal partnership agreements
- Identify ways to incentivize multiple benefit projects



Storm Water Strategy - Projects

3f. Develop Guidance for Implementation of Post-Construction Requirements to Improve Watershed Health

Develop technical guidance and permitting tools to promote statewide implementation of post-construction requirements based on watershed processes

- Methodology to identify watershed-specific processes and receiving water bodies critical to watershed health
- Identify post-construction strategies tools necessary for protection



Storm Water Strategy - Projects

4b. Eliminate Barriers to Funding Storm Water Programs and Identify Funding for Storm Water Capture and Use Projects

Support funding of storm water programs throughout the state

- Review current funding programs and evaluate opportunities to support storm water programs
- Identify existing limitations
- Develop a strategy for increasing funding for storm water programs



Storm Water Strategy - Projects

4a. Implement Senate Bill 985 – Incorporate Requirements of Storm Water Resource Plans into Storm Water Programs

Implement Storm Water Resource Plan Guidelines pursuant to the Storm Water Resource Planning Act of 2014, and in accordance with the Water Code.

- Modify storm water planning, permitting and funding programs to support the priority actions identified in Storm Water Resource Plans.



Comments/Questions?

Annalisa Kihara, PE
Storm Water Planning Unit Chief
Annalisa.Kihara@waterboards.ca.gov
(916) 324-6786

