


2018 Merced SWRP/IRWMP Update
Regional Advisory Committee Meeting #1

May 24, 2018
Presenters:
Leslie Dumas

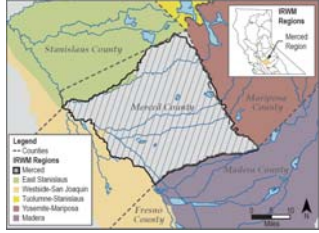


woodardcurran.com

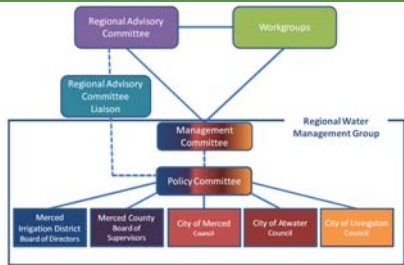
REGION BACKGROUND

Background

- Merced IRWM Region was formed in 2009
- First IRWMP was completed in 2013
- Current plan is compliant with 2012 IRWMP Guidelines



Region Governance



IRWM Program Status

- New Guidelines were released by DWR in 2016
- To be eligible for Prop 1 funding, IRWMPs must comply with 2016 Guidelines

REQUIRED UPDATES TO IRWMP

What IRWMP Updates are Needed?

- IRWMP Updates will:
 - Update Region's goals and objectives
 - Update the project list
 - Incorporate data from planning efforts since 2013
 - Revise IRWMP to comply with Prop 1 Standards

Plan Standards Updated in 2016

- | | |
|-----------------------------------|---------------------------------------|
| • Regional Description | • Relation to Local Water Planning |
| • Objectives | |
| • Resources Management Strategies | • Relation to Local Land Use Planning |
| • Project Review Process | • Climate Change |
| • Plan Performance and Monitoring | |

Overview of Required IRWMP Updates (1 of 2)

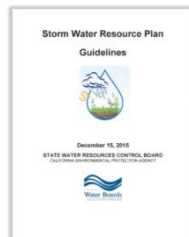
- Expanded discussion of climate change throughout the plan
 - Climate change adaptation and mitigation
 - Climate vulnerabilities (e.g. water supply, hydropower)
 - Changes in runoff and recharge (timing, variability, etc.)
- Update of Resource Management Strategies (from 2013 CA Water Plan)

Overview of Required IRWMP Updates (2 of 2)

- Require updates per recent legislative changes:
 - AB 1249 – address nitrate, arsenic, perchlorate, and hexavalent chromium in groundwater
 - AB 52 – confirm existence of Native American tribes through existing CEQA efforts
 - SB 985 – incorporate information from stormwater resource plan

SB 985: Stormwater Resource Planning

- Required in order to receive state grant funding for storm water and dry weather runoff capture projects
- The Merced IRWM Region has elected to combine a SWRP with the 2018 IRWMP Update



SWRP REQUIREMENTS

IRWMP vs. SWRP

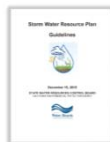
• IRWMP

- DWR Program
- Broad water management focus
- Generally qualitative



• SWRP

- SWRCB Program
- Specific stormwater focus
- More quantitative



Both plans include project solicitation and prioritization processes.

Major SWRP Requirements

- Watershed/Planning Area Identification
- Water Quality Compliance
- Organization, Coordination, Collaboration
- Quantitative Methods
- Identification and Prioritization of Projects
- Implementation Strategy and Schedule
- Education, Outreach, Public Participation

SWRP Requirement: Watershed Identification

- Necessary Additions:
 - Add context for stormwater planning
 - Describe sub-watersheds in more detail
 - Discuss water quality priorities
 - Add quantitative descriptions of watershed processes and disruptions, if available from existing sources
 - Add qualitative descriptions of disruptions to watershed processes

SWRP Requirement: Water Quality Compliance

- Necessary Additions:
 - Discuss activities that contribute to stormwater pollution
 - Describe Plan consistence with and support of applicable TMDL and NPDES permits
 - Discuss permit compliance

SWRP Requirement: Organization, Coordination, Collaboration

- Necessary Additions :
 - Expand discussion of stormwater entities and their roles/responsibilities
 - Discuss relationship of Plan to other existing stormwater-related local planning documents, ordinances, and programs

SWRP Requirement: Quantitative Methods

- SWRPs require more quantitative analysis than IRWMs.
- Necessary Additions:
 - Develop new metrics-based analysis to demonstrate that proposed stormwater projects will address Plan's objectives
 - Expand Opti to include new SWRP questions, including quantified benefits
 - Discuss how projects meet SWRP benefits, including quantifiable results

SWRP Requirement: Identification and Prioritization of Projects

- Necessary Additions:
 - Identify opportunities to implement specific project types (e.g., groundwater recharge, pollution source control, habitat restoration)
 - Prioritize projects based on quantitative metrics and multiple benefits
 - Discuss how projects meet SWRP benefits, including quantifiable results

SWRP Requirement: Implementation Strategy and Schedule

- Necessary Additions:
 - Expand discussion of funding sources and planning/implementation financing
 - General approach for SWRP implementation (e.g., implementation actions, project tracking, update procedures)
 - Identify decision support tools/data

SWRP Requirement: Education, Outreach, Public Participation

- Necessary Additions:
 - Discuss community engagement with project design
 - Discuss climate vulnerable communities
 - Describe efforts to identify and address environmental justice needs

APPROACH/SCHEDULE

Approach

- Incorporate SWRP information into existing IRWMP (including Project Solicitation and Project Prioritization)
- Prepare for the Call for Projects
 - Update Goals and Objectives
 - Update Opti
 - Update prioritization methodology

Plan Update Process

- Update individual chapters to comply with IRWM and SWRP Guidelines
- Compile individual chapters into Administrative Draft for another review
- Incorporate edits to prepare Public Draft and conduct public comment period
- Prepare Final Plan and submit to DWR and SWRCB for compliance reviews

Meetings

- 3 RWMG meetings
- 5 RAC meetings
- 2 public workshops

RAC Meeting Topics Schedule

Meeting #	Topic	Timing
1 (Kickoff)	Background, Required Updates, Approach/Schedule; Goals and Objectives	May
2	Project Solicitation and Prioritization; Governance and Approach to Coordination and Outreach	June
3	Stakeholder Involvement; Coordination; Region Description; RMS; Climate Change	August
4	Integrate and Prioritize Projects; Impacts and Benefits; Finance	September
5	Plan Performance and Monitoring; Data Management; Technical Analysis; Relation to Local Water and Land Use Planning	October

Schedule Highlights

- Call for Projects: July – August
- IRWMP/SWRP Chapter updates: ongoing through October
- Administrative Draft: October
- Public Draft IRWMP/SWRP: November

OBJECTIVES

IRWMP Objectives

- New requirements for 2016 IRWMP Guidelines:
 - Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.
 - Address reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.
 - Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.

2013 IRWMP Objectives

- Highest Priority Objectives
 - A. Manage flood flows **and stormwater runoff (including those caused by climate change)** for public safety, water supply, recharge, and natural resource management.
 - B. Meet demands for all uses, including agriculture, urban, and environmental resource needs.
 - C. Correct groundwater overdraft conditions.

2013 IRWMP Objectives, continued

- High Priority Objectives
 - D. Improve coordination of land use and water resources planning.
 - E. Maximize water use efficiency.
 - F. Protect and improve water quality for all beneficial uses, consistent with the Basin Plan.
 - G. Protect, restore, and improve natural resources.
 - H. Address water-related needs of disadvantaged communities (DACs).
 - I. Protect and enhance water-associated recreation opportunities.
 - J. Establish and maintain effective communication among water resource stakeholders in the Region.
 - K. Effectively address climate change adaptation and/or mitigation in water resource management.
 - L. Enhance public understanding of water management issues and needs.

Objectives Next Steps

- W&C will send out objectives
- RAC to review and comment

QUESTIONS?