

2018 Merced SWRP/IRWMP Update
Regional Advisory Committee Meeting #3

August 30, 2018
Presenters:
Leslie Dumas

woodardcurran.com

WORK COMPLETED TO DATE

Work to Date

- Held RAC meetings (May 24th; June 27th)
- Conducted RWMG meeting #1 (July 11th)
- Conducted public workshop #1 (July 11th)
- Finalized/prioritized IRWM objectives
- Updated multiple chapters
- Updated project solicitation and prioritization materials
- Updated Opti and website, and opened Call for Projects

DRAFT RAC CHARTER

RAC Charter Background

- Document outlining the rules and guidelines for the RAC
- Charter was not finalized in 2013, placeholders were left for a future RAC
- We are seeking feedback on the procedures in the RAC Charter in order to finalize the document

Question for RAC - Quorum

- The RAC Charter stated that a quorum would be defined when the RAC is convened.
- How would you like to define a quorum?

Question for RAC - Caucuses

- 2013 RAC had 30 members distributed among 10 categories, or “caucuses.” The Charter prescribes the number of members that should represent each caucus.

Previously Defined Caucuses

- | | |
|-------------------------------------|-------------------------|
| 1. Agriculture | 6. Water/ww management |
| 2. Business | 7. Academic/educational |
| 3. Natural resources and watersheds | 8. Civic |
| 4. DACs/Environmental Justice | 9. Recreation |
| 5. Land use | 10. At large members |

Would you like to continue with this requirement? If so, which RAC members are in each caucus?

Question for RAC – Meeting Frequency

- Under the scope of the IRWMP Update/SWRP, 5 RAC meetings will occur.
- After those meetings, how often will the RAC meet? (e.g., monthly, quarterly, as needed?)

Question for RAC – Terms

- The RAC Charter defines a process to rotate/replace RAC members each year.
 - Each member would be randomly assigned a 1-, 2-, or 3-year term, and replaced after their term. Thus 1/3 of RAC members would be replaced each year.
- Would the RAC like to continue with this process?

RAC Chair, Vice Chair, and Liaison

- Dena Traina will serve as Chair
- John Pedrozo will serve as Vice Chair
- Chair and Vice Chair will share the RAC liaison duties

Question for RAC – Chair/Vice Chair Duties

- The RAC Charter states that the Chair will discuss the agenda with the Management Committee prior to each RAC meeting.
- Should the Chair continue to do this moving forward?

2013 IRWMP Project Questions

- Projects added by RMC:
 - Merced Region Water Use Efficiency Program
 - Merced IRWM Region CC Modeling
 - Merced IRWM Regional GHG Emissions Inventory
 - Merced Region CC outreach and Education
- Would you like to keep these projects in the IRWMP?

IRWMP CHAPTER 2, REGION DESCRIPTION

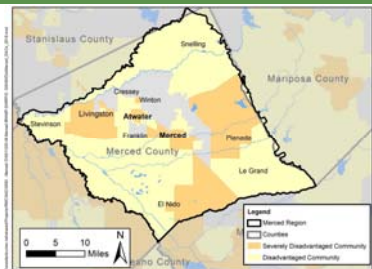
Region Description Plan Standards

- An IRWMP must include a description of the region being managed by the RWMG. This section should describe:
 - Watersheds and water systems within the region.
 - Internal boundaries within the region.
 - Water supplies and demands for a minimum of a 20- year planning horizon.
 - Current and future water quality condition in the region as well as description of groundwater contamination to comply with AB 1249.
 - Social and cultural makeup of the regional community.
 - Major water related objectives and conflicts.
 - How the IRWM regional boundary was determined.
 - Neighboring and/or overlapping IRWM efforts.
 - How the plan will help reduce dependence on the Sacramento-San Joaquin Delta for water supply.

[illegible][illegible]

DACs in the Merced Region

The map displays the Merced Region with various counties labeled: Stanislaus County, Merced County, San Joaquin County, Fresno County, and Madera County. The Merced River is shown flowing through the region. DACs are highlighted in orange and yellow. A legend indicates that orange represents 'Severely Disadvantaged Community' and yellow represents 'Disadvantaged Community'. A scale bar shows 0 to 10 miles, and a north arrow is present.



IRWMP CHAPTER 5, RMS

Resource Management Strategies (RMS) Plan Standard

- The IRWM Plan must document the range of Resource Management Strategies (RMS) considered to meet the IRWM objectives and identify which RMS were incorporated into the IRWM Plan.
- The IRWMP must also:
 - Demonstrate how climate change effects are factored into its RMS.
 - Address reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.
 - Evaluate the ability of RMS to eliminate or minimize climate vulnerabilities
 - Evaluate RMS and other adaptation strategies and their ability to eliminate or minimize climate change vulnerabilities, especially those impacting water infrastructure systems.

RMS include:

- | | |
|-------------------------------------|--------------------------------|
| • Agricultural Water Use Efficiency | • Remediation |
| • Urban Water Use Efficiency | • Pollution Prevention |
| • Conjunctive Management | • Sediment Management |
| • Recycled Water | • Salt and Salinity Management |
| • Flood Management | • Ecosystem Restoration |
| • Groundwater | • Economic Incentives |
| | • ...and more! |

Updates to RMS Chapter

- Updated RMS to reflect slight changes in 2013 California Water Plan (CWP)
 - New RMS in 2013 CWP were: Sediment Management, Outreach and Engagement, and Water and Culture.
- Added detail on relationship of RMS to climate change adaptation and mitigation to address new requirements
- Updated information about specific Region examples for each RMS

RMS Project Example

- Any examples of recent sediment management projects in the Region that could be discussed in the RMS chapter?

IRWMP CHAPTER 14, STAKEHOLDER INVOLVEMENT

Stakeholder Involvement Plan Standard

- Discuss involvement of DACs and tribal communities in the IRWM planning effort
- Describe decision-making process and roles that stakeholders can occupy
- Discuss how stakeholders are necessary to address objectives and RMS
- Discuss how a collaborative process will engage a balance in interest groups
- Provide for Native American involvement (not applicable to Merced Region)

Updates to Stakeholder Involvement Chapter

- Updated information on RAC formation to reflect 2018 process
- Updated to reflect opportunities for involvement during 2018 IRWMP Update

IRWMP CHAPTER 15, COORDINATION

Coordination Plan Standard

- Discuss coordination with:
 - Local agencies and stakeholders
 - Neighboring IRWM Regions
 - State or federal agencies, or other agencies
- No changes to Plan Standard for Prop 1 Guidelines

Updates to Coordination Chapter

- Updated to reflect current coordination efforts
 - Coordination during Call for Projects
 - Involvement with other IRWM Regions
 - Coordination with local, regional, state, and federal agencies (such as permitting, CEQA, etc.)

Coordination Chapter Questions

- The 2013 IRWMP stated that MID was involved in the Madera IRWM process – is this still true?
- The 2013 IRWMP stated that MAGPI is interested in coordinating with the WSJ Region on issues relating to subsidence near the boundary between the Regions. Has any coordination occurred?

IRWMP CHAPTER 16, CLIMATE CHANGE

Climate Change Plan Standard

- The IRWMP must address both adaptation to the effect of climate change and mitigation of GHG emissions.
- It must include:
 - Discussion of potential effects of climate change on the region.
 - A list of prioritized climate change vulnerabilities
 - Consideration of changes in runoff (timing, quality...)
 - Consideration of GHG emissions when choosing between project alternatives – reduce Region's emissions over a 20-year planning period

Updates to Climate Change Chapter

- Updated regulatory background information
- Updated data sources where necessary
- Updated chapter to address new requirements (e.g., discussion of runoff and recharge)
- Updated Opti to address the new requirement that GHG emissions be considered when choosing between project alternatives
- Updates to climate change vulnerabilities (next slide)

Climate Change Vulnerabilities

- Prop 1 Guidelines require that the Region prioritize its climate change vulnerabilities. For 2013, the priorities were:
 1. Water Supply/Water Quality
 2. Flooding
 3. Hydropower
 4. Water Demands
 5. Ecosystem and Habitat Vulnerabilities
- Would you like to make any changes?

Climate Change Vulnerability Descriptions

Vulnerability	Description
Water Demand	Vulnerable to increased ag demands due to longer growing season, increased temperatures and evapotranspiration rates, and more frequent / severe droughts. Vulnerable to increased urban and CII demand due to increased outside temperatures.
Water Supply and Quality	Vulnerable to decreased snowpack in the Sierra Nevada, shifts in timing of seasonal runoff, increased demands creating groundwater overdraft, degraded surface and GW quality resulting from lower flows, a reduction of meadows which can provide contaminant reduction, and more frequent / severe droughts and storm events increasing turbidity in surface supplies.
Flood Management	More severe/flashier storm events and earlier springtime runoff leading to increased flooding, and a reduction of meadows which help reduce floods in the winter.
Hydropower	Vulnerable to increased customer demand combined with changes in timing of seasonal runoff and flashier storm systems affecting reservoir storage.
Ecosystem and Habitat	Vulnerable to decreased snowpack, more frequent/severe droughts and wildfires, shift in seasonal runoff, increased low flow periods and increased water temperatures (degraded water quality).

SWRP CHAPTER 2, WATERSHED DESCRIPTION

SWRP Guideline Requirements – Watershed Identification

- Identify watersheds and subwatershed(s), including explanation of why the area is appropriate for storm water management
Describe internal boundaries within the watershed (e.g., cities, water and wastewater agencies, groundwater basins, etc.)
- Identify the natural watershed processes
- Identify native habitats, creeks, lakes, rivers, parks, and other natural or open space
- Describe surface and ground water resources and quality
- Describe the water quality priorities (based on TMDLs and 303(d) list)
- Describe water suppliers and supply volumes

Watershed Identification Chapter Content

- Significant Overlap with IRWMP Region Description Chapter
 - Regional boundary
 - Surface and groundwater resources
 - Water supplies and suppliers
 - Water quality
- Additional detail on watersheds
- Additional detail on water quality priorities from Storm Water Management Program (MS4 Permit)

SWRP CHAPTER 3, WATER QUALITY COMPLIANCE

SWRP Guideline Requirements – Water Quality Compliance

- Plan identifies activities that generate or contribute to the pollution of storm water or dry weather runoff
- Plan describes how it is consistent with and assists in, compliance with TMDL implementation plans and applicable NPDES permit
- Plan identifies applicable permits and describes how it meets all applicable waste discharge permit requirements

Water Quality Compliance Chapter Content

- Discussion of:
 - Applicable permits and plans (e.g., Basin Plan, General Permits, Storm Water Management Plan)
 - Relevant TMDLs (e.g., Central Valley Pesticide TMDL)
 - 303(d) listed water bodies (including Merced River, Black Rascal Creek, and others)
 - MIRWMP Objectives supported by the SWRP
 - Pollutant-generating activities (e.g., agriculture, resource extraction, urban sources)
 - Water quality monitoring (under NPDES permit)

Ongoing Stormwater Monitoring

- Is there any stormwater monitoring occurring other than what is required under the MS4 permit?

SWRP CHAPTER 4, ORGANIZATION, COORDINATION, COLLABORATION

SWRP Guideline Requirements – Organization, Coordination, Collaboration

- Local agencies and nongovernmental organizations were consulted in Plan development
- Community participation was provided for in Plan development
- Describe the relationship of the Plan to other existing planning documents, ordinances, and programs
- Identify decisions that must be made by local, state, or federal regulatory agencies for Plan implementation
- Describe planning and coordination of existing local governmental agencies, including new or altered governance structures to support collaboration among two or more local agencies.

Organization, Coordination, Collaboration Chapter Contents

- Overlaps with IRWMP Stakeholder Involvement and Coordination Chapters
- Discussion of governance (MIRWMA and RAC)
- Summarize coordination with other agencies
- Summarize opportunities for community participation
- Describe relationship of SWRP to other planning documents
- Describe coordination with and role of state/federal agencies

SWRP CHAPTER 8, EDUCATION, OUTREACH, AND PUBLIC PARTICIPATION

SWRP Guideline Requirements – Education, Outreach, and Public Participation

- Plan provides for community participation
 - Describes mechanisms and processes that will be used to facilitate public participation
 - Describes opportunities to engage the public when considering major technical and policy issues related to the development and implementation of the Plan.
 - Identifies specific audiences including local ratepayers, developers, locally regulated commercial and industrial stakeholders, nonprofit organizations, and the general public.
 - Includes a schedule for initial public engagement and education.
 - Describes DAC outreach strategies and efforts to support environmental justice

Education, Outreach, and Public Participation – Chapter Content

- Overlaps with IRWMP Stakeholder Involvement Chapter
- Describes outreach (stakeholder contact list, public workshops, Public Draft SWRP)
- Summarizes public meetings
- Describes community engagement in project design and implementation
- Describes outreach to DACs and climate vulnerable communities

Questions?

- Comments or questions on...
 - IRWMP Chapters
 - Chapter 2, Region Description
 - Chapter 5, Resource Management Strategies
 - Chapter 14, Stakeholder Involvement
 - Chapter 15, Coordination
 - Chapter 16, Climate Change
 - SWRP Chapters
 - Chapter 2, Watershed Identification
 - Chapter 3, Water Quality Compliance
 - Chapter 4, Organization, Coordination, and Collaboration
 - Chapter 8, Education, Outreach, and Public Participation
- Comments due 9/13/2018

NEXT STEPS & SCHEDULE

Schedule

- Call for Projects closes – 8/31/2018
- W&C prioritizes projects and updates chapters – 9/4/2018 to 9/18/2018
- Chapters and draft project prioritization to RAC – 9/18/2018
- RAC meeting #4 – 10/1/2018

Schedule Overview – IRWMP and SWRP

- Administrative Draft – 10/23/2018
- Public Draft – 11/7/2018
- Public Draft Review Period – 11/7/2018 to 12/7/2018
- Final Draft – 12/12/2018

Upcoming Chapter Updates (for September RAC Meeting)

- | | |
|--|---|
| <ul style="list-style-type: none"> • IRWMP <ul style="list-style-type: none"> ▪ Ch 6 Project Review Process ▪ Ch 7 Impacts and Benefits ▪ Ch 10 Finance | <ul style="list-style-type: none"> • SWRP <ul style="list-style-type: none"> ▪ Identification and Prioritization of Projects (VI.D) ▪ Quantitative Methods (VI.C) |
|--|---|

To Do...

- | | |
|--|---|
| <ul style="list-style-type: none"> • W&C <ul style="list-style-type: none"> ▪ Schedule September and October RAC meetings ▪ Close Call for Projects and prioritize projects ▪ Update chapters prior to meetings | <ul style="list-style-type: none"> • RAC <ul style="list-style-type: none"> ▪ Provide comments on IRWMP Chapters (2, 5, 14, 15, and 16) and SWRP Chapters (2, 3, 4, and 8) by September 13 |
|--|---|

QUESTIONS?
